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REPORT

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Village of Valley Falls
11 Charles Street
Valley Falls, NY 12185

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**Phase II Environmental Site
Assessment Report
Former Thompson Mill
273 Poplar Street
Valley Falls, New York 12185**



TABLE OF CONTENTS

	Page
EXECUTIVE SUMMARY	ES-1
TABLE OF CONTENTS	i
LIST OF FIGURES	iii
LIST OF TABLES	iii
1.0 SITE BACKGROUND	1-1
1.1 Site Ownership and Location	1-1
1.2 Purpose	1-1
1.3 Current Use of Property	1-1
1.4 Current Use of Adjacent Properties	1-2
1.5 Site History	1-3
1.6 Previous Investigations	1-3
1.6.1 Structural Assessment	1-3
1.6.2 Phase I ESA	1-4
1.7 Proposed Redevelopment	1-5
2.0 PHASE II SUBSURFACE INVESTIGATION	2-1
2.1 Field Activities	2-1
2.1.1 Archeological Assessment and Monitoring	2-1
2.1.2 Test Pit Completion and Soil Assessment	2-1
2.1.3 Site Survey	2-3
2.1.4 Hazardous Building Materials Assessment	2-3
2.2 Analytical Methods	2-4
2.3 Deviations from the Work Plan	2-4
3.0 RESULTS	3-6
3.1 Archaeological Assessment and Monitoring	3-6
3.2 Soil Screening Criteria	3-6
3.3 Soil	3-6
3.3.1 Field Observations	3-6
3.3.2 Analytical Results	3-7
3.4 Hazardous Building Assessment	3-8
3.4.1 Asbestos-Containing Material Survey	3-8
3.4.2 Lead-Based Paint Survey	3-9
3.4.5 PCB Survey	3-9
3.5 Investigation Derived Waste	3-9
4.0 DATA USABILITY	4-1

5.0 CONCEPTUAL SITE MODEL5-1

5.1 Site Description..... 5-1

5.2 Sensitive Receptors 5-1

5.3 Contaminants of Concern 5-1

5.4 Potential Contaminant Sources..... 5-1

5.5 Migration Pathways..... 5-2

5.6 Exposure Pathways 5-2

6.0 CONCLUSIONS6-1

7.0 RECOMMENDATIONS7-1

8.0 LIMITATIONS8-2

9.0 REFERENCES9-3

LIST OF FIGURES

Figure 1 Site Locus Map

Figure 2 Site Plan

Figure 3 Site Features

Figure 4 Test Pit Locations

Figure 5 Metals Exceedances in Soil – November 2019

Figure 6 VOC/SVOC Exceedances in Soil – November 2019

LIST OF TABLES

Table 1 Summary of Soil Analytical Results – Detected Compounds Only

LIST OF APPENDICES

Appendix A Landmark Archaeology Report

Appendix B Photo Log

Appendix C Test Pit Logs

Appendix D Wetland Delineation – April 11, 2019

Appendix E Ambient Environmental Hazardous Materials Survey Report

Appendix F Laboratory Analytical Reports

Appendix G Data Usability Summary Reports (DUSRs)

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EXECUTIVE SUMMARY

Weston & Sampson, on behalf of the Village of Valley Falls (Village), has prepared this Phase II Environmental Site Assessment (ESA) Report for the Former Thompson Mill property located at 273 Poplar Street, Valley Falls, New York (the Site). The Thompson Mill is vacant and damaged by a fire and the remainder of the property is primarily undeveloped. A Cooperative Agreement between the Village and the EPA through a Brownfields Assessment Grant (96267417-0) funded this Phase II ESA. The intent of this Phase II ESA was to investigate selected Recognized Environmental Conditions (RECs) identified during the Phase I ESA and to identify potential contaminants of concern (COCs), likely source(s), and the potential extent of contamination in affected media. In addition to evaluating the RECs, Weston & Sampson evaluated the structural condition of the partially collapsed mill building. A secondary goal of the assessment was to evaluate if archaeological artifacts were present.

In October 2019, Weston & Sampson excavated twelve test pits at the Site as part of the Phase II investigation. Soil samples were collected within each test pit, and analyzed for Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), Metals, Polychlorinated Biphenyls (PCBs) and Pesticides/Herbicides. During the excavation process, archaeological monitoring was conducted to observe and identify any potential archaeologically significant findings. A Hazardous Building Materials (HBM) assessment was also completed to identify the presence of Asbestos Containing Material (ACMs), PCB containing material and lead based paint in building materials.

Weston & Sampson concluded that the building structure is unsafe. SVOCs and metals were detected in selected test pits. The areas within the building footprint could not be accessed due to safety concerns. The archaeological evaluation did not identify archaeological artifacts; however, they did observe paleosols that have the potential to contain artifacts in other areas of the site, which could impact site redevelopment. The HBM assessment identified ACMs, PCBs and Lead-based paint in building materials and in rubble.

Based on the findings, Weston & Sampson recommends that site access be restricted, including fencing with warning signs about the presence of asbestos and PCBs. The building should also be demolished as soon as possible to eliminate a safety hazard. Removal of impacted debris will likely have to be bulk loaded and considered asbestos containing. Additional assessment below the building footprint is warranted once the building has been removed. Shallow soils with contaminants in excess of thresholds should be excavated and remediated.

Weston & Sampson did not detect contaminants in the remainder of the property that would preclude the development of a passive recreational facility and trail network. The Site will need to be evaluated for National Register of Historic Places (NRHP) eligibility and for the need of additional archaeological monitoring during future investigations or redevelopment.

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1.0 SITE BACKGROUND

Weston & Sampson PE, LS, LA, PC (Weston & Sampson), on behalf of the Village of Valley Falls (the Village), has performed this Phase II Environmental Site Assessment (Phase II ESA) for the Former Thompson Mill property (the Site), located at 273 Poplar Street, Valley Falls, a village in the township of Pittstown, New York (**Figure 1**). Generation and execution of this Phase II ESA Report was funded by a Cooperative Agreement between the Village of Valley Falls, New York (the Village) and the U.S. EPA through a Brownfields Assessment Grant (96267417-0).

1.1 Site Ownership and Location

273 Poplar Street—Valley Falls, New York

Latitude (North): 42.9039540 - 42° 54' 14.23"

Longitude (West): 73.5671210 - 73° 34' 1.63"

Universal Transverse Mercator: Zone 18

UTM X (Meters): 616974.272 mE

UTM Y (Meters): 4715145.043 mN

Elevation: 300 ft. above sea level

Site Owner: Village of Valley Falls, Inc.

Site Occupants: None

Site Location: 273 Poplar Street, Valley Falls, NY

County: Rensselaer

Parcel ID: 22.-9-2.13, 22.16-3-1.1, 22.16-3-1.2, 22.16-3-2.1

Size: 12.84, 9.11, 0.73, 0.75; total of 23.43 acres

A Locus Map and Site Plan of the Site and general surroundings are provided as **Figures 1 and 2**.

1.2 Purpose

The intent of this Phase II ESA was to investigate selected recognized environmental conditions (RECs) identified during a January 2019 Phase I ESA completed by Weston & Sampson and to identify potential contaminants of concern (COCs), likely source(s), and the potential extent of contamination in affected media.

Weston & Sampson completed this assessment in accordance with the approved Work Plan (WP), submitted April 12, 2019, and the Site-Specific Quality Assurance Project Plan (SSQAPP), submitted June 10, 2019. The results of this work were used to update the Conceptual Site Model (CSM) for the Site that was presented in the WP and SSQAPP and evaluate the potential risk to sensitive receptors.

1.3 Current Use of Property

The 23.43-acre Site is developed on the north end with one approximate 13,000 sq. ft., three-story brick former mill building with a partial sub grade and partial slab on grade foundation. The Site building is significantly damaged due to a historic fire and continues to deteriorate. Private sewer and water service the building, and it was reportedly most recently heated with fuel oil.

The central portion of the Site is developed with an active wastewater treatment facility (WWTF). A one story, slab on grade treatment building, and various wastewater structures including a bar screen,

settling basins, flow metering station, sand filters, and subsequent outfall structure north of the treatment facility which discharges treated wastewater to the Hoosic River to the north.

Wooded upland areas or wet areas with a less dense canopy cover the remainder of the Site.

Topography at the Site generally slopes north or northwest towards the Hoosic River. Stormwater catch basins were not observed on the Site. The eastern portion of the Site is currently overgrown with vegetation in the vicinity of the former mill building. A number of former Site building foundations are visible along with rubble from their collapsed or demolished structures. Site features are shown on **Figure 3**.

Information regarding the bedrock geology of the Site was obtained from the State Education Department, University of the State of New York, Geologic Map of New York, Hudson-Mohawk Sheet (Fisher, et al, 1970). The Site is located within Undifferentiated Middle Ordovician through Lower Cambrian allochthonous rocks – principally pelite; lesser quartzite, limestone, conglomerate, and graywacke. Bedrock was not observed during the Site reconnaissance. Surficial soils at the Site are classified as gravelly sandy loam and silt loam. Bedrock outcrops were observed near the Site in the Hoosic River and to the north of the Site entrance. The observed bedrock confirms the mapped bedrock description as highly fractured limestone.

Based on nearby environmental investigations (Refer to Phase I Report), groundwater in the vicinity of the Site is expected to flow towards the Hoosic River, which adjoins the Site to the north and west.

Currently the Site building is vacant and is in severe disrepair, with major portions of its roof and inner structure collapsed. Building materials from collapsed structures, and within the main building structure was observed throughout the area of the mill. Based on the age of construction, these building materials may contain asbestos, lead and Polychlorinated Biphenyls (PCBs). Due to the former mill building being unsafe to enter, observations of the interior were made from the exterior of the building through existing doors and collapsed walls. Weston & Sampson flew a drone for overhead inspection and photographs. Weston & Sampson personnel observed potentially hazardous materials storage containers, including 55-gallon drums and several 3,000-gallon vertical fiberglass aboveground storage tanks, near the southwest corner of the building. Sanborn Fire Insurance maps label this area as being used for dyeing operations. Evidence of spills were not observed immediately surrounding the Site building.

Weston & Sampson personnel observed solid waste disposal areas in various locations around the Site. The disposal areas are comprised of mainly household waste.

No other evidence of current or former uses of the Site that pose a risk of an adverse environmental impact were observed during the Phase I Site reconnaissance.

1.4 Current Use of Adjacent Properties

The Site is located in a mixed commercial and residential area of Valley Falls, New York. The adjoining and nearby properties to the east and southeast are developed with a hydroelectric plant and a former automobile repair facility, respectively. Adjoining properties to the south include a railroad line, beyond which are residential properties and a municipal park. The properties to the north and west across the Hoosic River are residential and agricultural.

1.5 Site History

The earliest identified development of the Site was as a portion of a textile mill complex in the late 1800's. The various mills identified historically on-Site included a knitting mill, grist mill, flax mill, and pulp mill, were operated by James Thompson & Co, Inc. Site uses prior to the late 1800s were not identified during the historical review. **Figure 3** shows the current site features.

The various mill operations including machining, washing, preparing, knitting, finishing, storage, dyeing, drying, spinning, coal storage, and pulp, yarn, and twine manufacturing occurred as late as the 1980s. A 2009 fire destroyed many of the Site buildings. The building remains condemned and vacant to date. Weston & Sampson is of the opinion that the former operation of the Site as a mill and the major fire at the Site may have resulted in the release of multiple contaminants including incomplete combustion by products polycyclic aromatic hydrocarbons (PAHs), oils, solvents and/or metals. In addition, releases of hazardous building materials may have occurred during the fire and subsequent building collapse. These materials could include PCBs, lead and asbestos. These releases may still be occurring as the building deteriorates.

Nearby offsite properties were developed for mixed residential and commercial uses since sometime prior to the late 1800's when the mill complex was developed. A number of former mill buildings to the east were utilized for various textile manufacturing processes.

1.6 Previous Investigations

1.6.1 Structural Assessment

On October 11, 2018, a Weston & Sampson structural engineer conducted a visual structural assessment of the existing building. The purpose of the visual structural assessment was to determine if any portions of the condemned structure are safely accessible for sampling and assessment activities and how close to the structure subsurface investigation activities could be performed.

The conditions observed during the site visit include the following:

- The existing building is a three-story brick masonry bearing wall with heavy timber framing.
- Throughout most of the building, the roof has collapsed on to the floors below.
- In many areas of where the roof collapsed, the upper story floors have also collapsed onto the first floor.
- The existing floor framing that is intact and supporting areas of the collapsed roof and floors is severely deflected and damaged.
- The exterior façade in portions of the building have collapsed.
- The existing brick masonry walls are now free standing with no out-of-plane support because of the collapsed roof and floors.

Based on the observed conditions of the building, the entire structure is deemed unsafe and is to not be accessed by anyone. Subsurface investigation activities around the building should not be performed any closer than a distance equal to the height of the wall plus five feet at a minimum. If subsurface investigations are required to be performed closer to the building, then the building walls will need to be demolished prior to investigation activities being performed. Sampling of environmental media below the existing building foundation would also require the demolition of the structure down to the foundation to safely perform the sampling.

Hazardous Building Material assessment activities will need to mainly be performed visually. Persons performing the HBM assessment may make observations up to the existing exterior walls and shall not access the building. Areas to be observed shall be approached with great care considering that many areas require walking on fallen building debris. Sampling of an existing building materials is to be limited to areas outside of the building. Sampling of materials from the existing exterior walls, such as window caulking may be obtained if the sample can be retrieved by hand tools that keep vibrations and impacts to a minimum. Ladders used to obtain samples shall only be used where it is safe to do so such as near the corners of the building where the second and third floors are still intact, as identified by the structural engineer.

1.6.2 Phase I ESA

A Phase I ESA was completed for the Site in January 2019 by Weston & Sampson. This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the Site except for the following:

- Likely releases associated with the former operation of the Site as a textile mill, including beneath the former on-Site above ground storage tanks (ASTs).
- Likely releases of hazardous building materials during building collapse and deterioration.
- The release of materials affecting the soil, air, and/or surface water associated with the 2009 fire (Spill No. 0900815).
- Several areas of solid waste disposal on-Site, nearby and distal to the mill structure.
- The potential presence of a groundwater plume at the Site from an off-Site release of tetrachloroethylene (PCE) associated with the Valley Falls drycleaner property.
- The environmental conditions associated with the Former Jim's Auto facility which may be resulting in the presence of hazardous substance and/or petroleum impacts to the Site.
- The active use of the railroad line adjacent to the Site since the late 1800s has the potential to impact environmental media at the Site.

The following historical recognized environmental condition (HREC) exists at the Site:

- The Site spill record associated with 2 fuel oil ASTs (Spill no. 8906784) indicates that cleanup was completed on December 31, 1997 met standards and indicates that the tanks and soil were removed. The release was reportedly addressed to the satisfaction of the applicable regulatory authority and is therefore considered a HREC.

Based on the Phase I, Weston & Sampson identified the following Areas of Concern (AOCs) at the Site associated with the RECs above and are also shown on **Figure 3**:

- AOC-1 Former Mill Building Footprint.
- AOC-2 Former AST Area adjacent to Mill Building.
- AOC-3 Property Line Adjacent to Railroad.
- AOC-4 Solid Waste Disposal Areas.

- AOC-5 Shallow Groundwater migrating onto Site from Upgradient Release (Jim's Auto).
- AOC-6 Bedrock Groundwater migrating onto Site from Upgradient Release (Valley Falls drycleaner).

As a result of the structural assessment findings and recommendations, sampling associated with the Phase II ESA is required to focus on data collection from AOCs outside the "fall zone" of the existing buildings. The Phase II ESA sampling was designed as an initial data collection effort to develop an understanding of environmental impacts to soil. The soil quality data will be utilized to determine what, if any, additional sampling may be necessary to adequately define the extent and degree of contamination in each AOC distal to the Mill Building.

Therefore, our Phase II ESA addresses AOCs 1, 3, and 4. The Phase II ESA also includes an archaeological assessment to evaluate potential cultural remains. In addition, Weston & Sampson also conducted a wetlands survey and a Hazardous Building Materials survey in the accessible portions of the Site, as part of the Phase II ESA.

AOCs 2, 5 and 6 were not addressed during the Phase II ESA. AOC-2 was not accessible due to the proximity to the structurally unsound and condemned mill building structure and AOCs 5 and 6 were not addressed as groundwater was not investigated as part of the initial limited Phase II ESA.

1.7 Proposed Redevelopment

The Site building(s) are anticipated to be demolished. Elements from the former mill building are expected to be salvaged/revitalized for reuse, where feasible. The Village intends to redevelop the Site for use as a passive recreational park for public use. The passive park will likely include passive walking trails as well as informational signage depicting the Site's historical legacy.

2.0 PHASE II SUBSURFACE INVESTIGATION

Field activities were developed to assess and investigate potential releases to the environment that may have occurred at or near the Site that could impact redevelopment. However, as previously noted, the extent of the field work was limited due to the condition of the former mill buildings and safety concerns regarding the structural integrity of the facility. Therefore, the Phase II ESA sampling plan was designed as an initial data collection effort to develop an understanding of environmental impacts to soil. The data obtained during the investigation will be utilized to determine what, if any, additional sampling may be necessary to adequately define the extent and degree of impacts associated with AOCs distal to the Mill Building.

2.1 Field Activities

2.1.1 *Archeological Assessment and Monitoring*

Landmark Archeology, Inc. (Landmark) of Altamont, New York conducted a Phase IA archeological sensitivity assessment and Phase IB archaeological field monitoring in October and November 2019.

The Phase IA assessment included a review of archaeological sources, historical sources, and Site files available via the Cultural Resource Information System (CRIS) maintained by the New York State Office of Parks, Recreation and Historic Preservation (OPRHP). Results of the Phase IA research indicated that archaeological potential within the parcel was high and that Phase IB field monitoring was warranted.

The Phase IB field activities, conducted between October 2nd and 4th 2019, consisted of archaeological monitoring for significant artifacts that could be present in the subsurface during the excavation of test pits in conjunction with the Phase II ESA soil assessment activities (Section 2.1.2). An archeologist from Landmark observed all test pitting activities. The test pits were advanced at Landmarks instruction to allow for evaluation of the potential for the presence of archeologically significant artifacts. Landmark screened soils, obtained samples and logged results, as appropriate, prior to Weston & Sampson collecting environmental impact related samples. **Appendix A** contains the complete report from Landmark, including field screening methods, field observations, and results.

2.1.2 *Test Pit Completion and Soil Assessment*

Weston & Sampson personnel performed an assessment of surface and subsurface soil at the Site from October 2 through 4, 2019. Aztech Technologies Inc. (Aztech) advanced twelve (12) test pits throughout the site and each location was selected based upon former uses in the area and/or observations of potential contaminants at the ground surface. The table below provides a summary of AOCs and associated test pit numbers.

AOC #*	AOC	Compounds of Concern	Test Pit #s
1	Former Mill Building Footprint	Combustion by products, petroleum, waste oil, solvents, asbestos, lead, metals	TP-1 & 2
2	Former AST Area adjacent to Mill Building	Petroleum	Inaccessible due to proximity to existing building structure
3	Railroad Line	Combustion by products, petroleum, waste oil, solvents, herbicides, pesticides asbestos, lead, metals	TP-9 & 10
4	Solid Waste/Debris	Waste oil, solvents, metals, petroleum	TP-3, 4, 5, 6, 7, 8, 11 and 12

* AOC 5 and AOC 6 were not evaluated as groundwater was not sampled as part of this Phase II investigation.

Aztech excavated the test pits using a Bobcat E50 excavator to a depth of 10 feet below grade surface (bgs) or refusal, whichever was first encountered. Prior to subsurface field activities, proposed boring and hand auger locations were marked and Dig Safely New York was notified to clear underground utilities.

The soils encountered were descriptively logged, for visual and/or olfactory evidence of contamination and screened with a photoionization device (PID) for total volatile organic compounds (TVOCs) and photographed. Photographs of the test pits are included as **Appendix B** and Test Pit Logs are included as **Appendix C**.

Soil samples were collected at two (2) depth intervals within each test pit. Grab soil samples were obtained from the sidewall of the excavation from 0-2 bgs. A second sample was obtained from either the area with the highest evidence of contamination (fill, staining, PID reading) if observed. If no evidence of contamination was observed, the second sample was obtained from the bottom of the test pit or just above the groundwater interface, whichever was encountered first. The deep samples were obtained from the center of a large volume of soil carefully extracted and placed on the ground surface by the excavator. Upon completion of data collection, the excavated soils were returned to the test pit in the order they were removed with intermittent compacting using the bucket.

The following table describes the test pit locations and samples to be collected:

Location	Sample Number per Test Pit	Sample Location	Analysis
TP-1 & 2	Up to 2 Plus 1 Field Duplicate	1) 0-2' 2) Interval with evidence of contamination / just above groundwater interface or bottom of test-pit	VOCs, SVOCs, RCRA 8 Metals, PCBs, asbestos, Lead by TCLP
TP-3,4,5,6,7,8,11 & 12	Up to 2 Plus 1 Field Duplicate	1) 0-2' 2) Interval with evidence of contamination / just above groundwater interface or bottom of test-pit	VOCs, SVOCs, RCRA 8 Metals, PCBs,
TP-9 & 10	Up to 2	1) 0-2' 2) Interval with evidence of contamination / just above groundwater interface or bottom of test-pit	VOCs, SVOCs, Metals, PCBs, asbestos, pesticides and herbicides

It should be noted that prior to test pit advancement, a certified wetlands specialist completed a wetland delineation. No waiver/permit was required prior to excavation because no test pits were located inside the wetland or its buffer. The wetlands delineation is identified in **Appendix D**.

2.1.3 *Site Survey*

Site test pit locations were surveyed during test pit installation activities using a Trimble Geo7X handheld global positioning system (GPS). Latitude and longitude coordinates for the test pit locations are provided on **Figure 4**.

2.1.4 *Hazardous Building Materials Assessment*

On October 2, 2019 Ambient Environmental, Inc. (Ambient) of Albany, New York performed a Hazardous Building Materials Assessment on the Site building. The survey included the following activities:

- Survey of the site building.

- Identifying the accessible suspect asbestos-containing materials (ACMs) that were not previously tested using limited destructive means.
- Quantifying ACMs, including material condition and location.
- Collecting and analyzing bulk samples of suspect friable and non-friable materials to eliminate suspect materials as asbestos containing.
- Conducting a limited lead-based paint inspection of the building with a Heuresis Corporation Pb200i Lead Paint Analyzer.
- Collection of pain chip samples for analysis of lead content; and
- Collecting and analyzing bulk samples of potential PCB containing window/door caulk.

NYS licensed and AHERA trained asbestos inspectors and trained lead inspectors conducted the assessment. It should be noted that due to the collapsed condition of the onsite building, it was unsafe to enter the building during the inspection and assessment. Samples could only be collected from the exterior of the building; therefore, a full survey could not be performed. Additional details of the hazardous material survey completed are included in Ambient's Hazardous Materials Survey Report dated December 4, 2019, provided in **Appendix E**.

2.2 Analytical Methods

Potential COCs at the Site included asbestos, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), PCBs, RCRA 8 metals (including lead), and/or chlorinated herbicides and chlorinated pesticides in soil. PCBs, asbestos, and lead were suspected in building materials (caulk and window glazing) based on the age of the building.

All samples collected as part of this Phase II ESA, with the exception of asbestos samples, were submitted to Con-Test Analytical Laboratory (Con-Test), with a service center in Albany and laboratory located in East Longmeadow, Massachusetts for analysis. All asbestos samples collected (both soil and building materials) were submitted to EMSL, located in Rochester, New York for analysis. A summary of the analyses employed by Con-Test and EMSL is provided in the table below.

Parameter	Media Type	EPA Analytical Method
VOCs	Soil	8260C
SVOCs	Soil	8270D
Metals	Soil	6010D, 7720, TCLP 1311
PCBs	Soil	8082
Pest/Herb	Soil	8181A/8081B
Asbestos	Soil and Building Materials	600/R-93/116
Lead	Paint	SW-846 6010C Modified
PCBs	Caulk	8082

2.3 Deviations from the Work Plan

The following are deviations from the approved work plan:

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- Two test pits, TP-11 and TP-12, were relocated due to overgrown underbrush. The excavator was unable to reach the proposed location for TP-11, and the test pits were renumbered as reflected on Figure 3. As such, TP-12 was moved west along the ridge line and focused on other solid waste/debris piles within AOC 4.
- TP-10 was terminated at a shallower depth than anticipated (6 ft bgs) due to unsafe conditions; soil was sloughing off the side walls and creating undermined areas at the surface. A sample was collected from the bottom of the test pit at the 6 ft depth rather than the proposed 10 ft depth.
- TP-2 was excavated in an area composed of building rubble overlaying a concrete floor that could not be penetrated by the excavator. Because of this, only one analytical sample was collected from the test pit (0-2 ft. bgs) and no sample was collected at a greater depth. Additionally, the soil sample that was intended to be submitted from TP-2 for analysis of asbestos was not collected because the material in that location was not true soil. Resultingly, only seven (7) soil samples were submitted for analysis of asbestos rather than the proposed eight (8).

3.0 RESULTS

3.1 Archaeological Assessment and Monitoring

Results of the Phase IA archaeological assessment indicated that one National Register of Historic Places (NRHP) property (the Valley Falls Historic District, 18NR00024) is close to the Site and that the Old Thompson Mill building is a recognized cultural resource (08346.000136). Phase IA research also located two (2) previously identified archaeological sites near the central portion of the Site in the vicinity of the Waste Water Treatment Facility (08346.000001 and 08346.000074).

Results of the Phase IB field activities identified two (2) previously undocumented onsite archeological sites, TP-11 Historic Site and Old Thompsons Mill Historic Archeological Site (OTMHAS).

The TP-11 Historic Site is comprised of an early 20th century historic dump/ash midden consisting of mostly bottles and kitchen debris. The vertical extent of the dump was limited to the first 1 to 1.5 feet within the ground surface; however, the horizontal limits of the historical dump were not determined during this investigation. In addition, the site's eligibility to the National Register of Historic Places (NRHP) was not determined.

Structural remains associated with the Thompsons Mill buildings, including a brick layer (ranging 1 to 5 ft thick) over a concrete floor were discovered in TP-1 and TP-2, which make up OTMHAS. Based on the TP-1 and TP-2 findings, other structural remains and potential archeological materials associated with the mill's operations may exist. The horizontal limits of OTMHAS have not been determine, nor has the site's eligibility to the NRHP.

Three test pits (TP-5, TP-6 and TP-9) encountered buried paleosols. Although no artifacts were recovered from the sediments from these test pits, there is the potential for these soils to yield archaeologically significant materials in other onsite locations. In addition, the Phase IA (Site 08309.000074) identified previous archeological work and archeological materials onsite in the lower terrace in alluvial material.

Additional details can be found in Landmark's report, which is included as **Appendix A**.

Landmark's report was submitted online to OPRHP's department of State Historic Preservation Office (SHPO) via CRIS (SHPO project #18PR06192) on February 4, 2020 for review and comment.

3.2 Soil Screening Criteria

The future proposed use of the Site is a passive recreational park for public use. Soil analytical results were compared to the Soil Cleanup Objectives (SCOs) for Unrestricted Use and Restricted Residential Use (SCOs used for passive recreational use) published in Title 6, Part 375 of the New York Codes, Rules and Regulations (NYCRR), effective December 14, 2006.

Applicable soil screening levels are shown in the analytical results table (**Table 1**).

3.3 Soil

3.3.1 Field Observations

The Site is located on a late Pleistocene glacial terrace alongside the Hoosic River. A well-defined escarpment edge creates much of the site's elevation change. Portions of the Site

contain fill, either from household wastes or industrial debris. Native soils observed within test pits include topsoil, sand, grey clay, and glacial till. Refer to the Test Pit Logs for more information, which are included as **Appendix C**.

During excavation, soils were monitored for any potential contamination by visual and/or olfactory observation and PID screening. No obvious evidence of contamination within the soil was observed in any test pits. PID readings ranged from 0 to 1 parts per million (ppm).

It should be noted that TP-1 and TP-2 were located within the former footprints of buildings. After the fire, the majority of the buildings crumbled, leaving debris where they once stood. TP-1 was excavated in an area composed of building rubble overlaying a chamber area with a concrete floor that could not be penetrated by the excavator. The chamber area was approximately 1 foot in depth and contained a honeycomb-like grid and ash material (see Photos 1-3 of the Photolog in Appendix B). Based on our observations, Weston & Sampson believes the chamber could be the base of a former furnace and the honeycomb-like grid is likely part of an air induction system that would have fed the fire (coal) within the furnace. In addition, a concrete slab was encountered under one-foot of overlying debris in TP-2. The excavator could not penetrate the concrete slab in TP-2 (see Photo 4 of the Photolog in Appendix B).

When collecting samples from TP-1 and TP-2, material from inside the building footprint and above the concrete slab were collected. As such, this analytical data does not represent true soil conditions in those specific areas, but rather the composition of the debris remaining from the buildings and fire.

3.3.2 Analytical Results

The compounds detected in soil are presented in **Table 1**. The complete tabulated results (including non-detect values) and the laboratory analytical packages are provided in **Appendix F**.

Metals

Low concentrations of metals were detected across the site. The concentrations detected exceeded the Unrestricted Use SCOs and Restricted Residential SCOs as outlined below:

Unrestricted Use SCO exceedances:

- Chromium: all test pits, all depths*
- Barium: TP-9 (10 ft bgs)
- Lead: TP-1 (4-5 ft bgs), TP-2 (0-2 ft bgs), TP-3 (0-2 ft bgs), TP-6 (0-2 ft bgs), and TP-7 (8 ft bgs)
- Mercury: TP-1 (0-2 ft and 4-5 ft bgs), TP-3 (0-2 ft bgs), TP-5 (0-2 ft bgs), TP-6 (0-2 ft bgs), TP-7 (8 ft bgs), and TP-11 (0-2 ft bgs)

Restricted Residential SCO exceedances:

- Barium: TP-1 (0-2 ft bgs)
- Arsenic: TP-11 (0-2 ft bgs)
- Lead: TP-1 (0-2 ft bgs) and TP-11 (0-2 ft bgs)

* The New York State Department of Health Rural Soil Survey lists background chromium levels in Valley Falls and surrounding areas as approximately 18 parts per million (ppm). If the chromium results from this investigation are compared to the area background level, 75% of the chromium concentrations detected would be below the background level of 18 ppm.

The metal exceedance locations are shown on **Figure 5**.

SVOCs

Low concentrations of SVOCs compounds were detected in TP-3. The concentrations detected exceeded the Unrestricted Use SCOs and Restricted Residential SCOs as outlined below:

Unrestricted Use SCO exceedances:

- Chrysene: TP-3 (0-2 ft bgs)

Restricted Residential SCO exceedances:

- Benzo(a)anthracene: TP-3 (0-2 ft bgs)
- Benzo(a)pyrene: TP-3 (0-2 ft bgs)
- Benzo(b)fluoranthene: TP-3 (0-2 ft bgs)
- Indeno(1,2,3-(cd)pyrene): TP-3 (0-2 ft bgs)

VOCs

One low level VOC compound was detected in TP-2. The concentrations detected exceed the Unrestricted Use as outlined below:

Unrestricted Use SCO exceedances:

- Methylene Chloride: TP-2 (0-2 ft bgs)

It should be noted that Methylene Chloride is typically used in the laboratory as a cleaning agent. As such, the concentration detected in TP-2 is considered a residual lab artifact and is not considered a Contaminant of Concern (COC).

The VOC and SVOC exceedance locations are shown on **Figure 6**.

3.4 Hazardous Building Assessment

3.4.1 Asbestos-Containing Material Survey

Ambient's asbestos survey consisted of three basic procedures: 1. Conducting a visual inspection of the structures; 2. Identifying homogeneous areas (HAs) of suspect surfacing, thermal system insulation, and miscellaneous materials; and 3. Sampling accessible, friable and non-friable suspect materials. Ambient collected 36 samples from 17 homogeneous areas. The analytical results of the asbestos survey indicate that twelve samples from six homogeneous areas were found to contain more than 1.0% asbestos. This including the following materials/debris:

- Residual Black Tar
- Black Vapor Barrier Debris

- Black Tar Roofing Material Debris
- White Window Caulk
- Gray Stone Joint Caulk
- Black Asphalt Roofing Debris

Ambient's Hazardous Material Survey Report, including details of the asbestos containing material survey, is provided as **Appendix E**. A table listing samples collected and analyzed, sample locations, results, identified asbestos containing materials, homogeneous locations, quantities and lab report is included as Ambient's Attachment A.

3.4.2 Lead-Based Paint Survey

Ambient conducted a limited lead-based paint survey to assess if building components/debris contain actionable quantities of lead-based paint. During the survey, X-Ray Fluorescence in situ analysis (XRF), utilizing the PB200i analyzer, was used to detect lead present on painted surfaces. The results of the Lead XRF testing indicate the following materials were found to be characterized as lead-based paint:

- Wood Window Frame
- Wood Window Header

Based on the XRF testing, Ambient also collected two (2) paint samples from the materials where lead was detected, for laboratory analysis to confirm the presence of lead. Federal regulations consider paint to be lead-based when the result is 0.5% (or greater) lead by weight. The analytical results indicate both the wood window frame and wood window header samples tested positive for lead in excess of the 0.5% limit outlined in federal regulations.

Ambient's Hazardous Material Survey Report, including details of the lead-based paint survey, is provided as **Appendix E**. The lead based XRF paint results are included as Ambient's Attachment B.

3.4.5 PCB Survey

Ambient's PCB survey involved a visual examination and sampling of caulk materials that may be impacted by future demolition activities. PCB containing caulk is regulated under the Toxic Substances Control Act (TSCA) and is considered a regulated hazardous material at concentrations equal to or greater than 50 ppm. Of the three (3) caulk samples collected by Ambient, two of the samples (residual White Caulk and White Window Caulk) tested below the 50 ppm limit, the third (Gray Stone Window Sill Joint Caulk) tested above the limit. As such, the Gray Stone Window Sill Joint Caulk on the exterior of the building is considered a regulated hazardous material under the TSCA.

Ambient's Hazardous Material Survey Report, including details of the PCB survey, is provided as **Appendix E**. The PCB results are included as Ambient's Attachment C.

3.5 Investigation Derived Waste

All excavated soil was backfilled into the test pits in the same sequence as it was removed bringing elevation back to grade. No hazardous materials (i.e. drums, asbestos or petroleum products) or

impacted soil was encountered as a result of the test pit investigation; therefore, there was no Investigation-Derived Waste generated as part of this investigation.

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4.0 DATA USABILITY

4.1 Data Usability

4.1.1 Laboratory Data Evaluation

Alpha Geoscience (Alpha) performed a data usability evaluation of the data to identify bias or other interference that could affect the quality of sample results. The following Quality Control (QC) components were evaluated:

- Data completeness
- Holding times
- Sample preservation
- Blank results
- Surrogate recoveries
- Laboratory control sample results
- Field duplicates

The following QA/QC samples were collected:

Parameter	Matrix	Number of Samples	Trip Blanks	Blind Field Duplicates
VOCs	Soil	23	0	2
SVOCs	Soil	23	0	2
Metals (RCRA 8)	Soil	23	0	2
PCBs	Soil	23	0	2
Pest/Herb	Soil	4	0	0
Asbestos	Soil	7	0	1

Alpha prepared a Data Usability Summary Report (DUSR) as part of their data evaluation. The DUSR identified the overall performance of the analysis as acceptable, and that Con-Test Analytical Laboratories fulfilled the requirements of the analytical methods. The data are mostly acceptable with some data that was qualified by Alpha as estimated and/or biased. Alpha also qualified the following data as rejected, unusable”:

- The “not detected” semi-volatile results for benzidine were qualified as “rejected, unusable” (R) in samples TP-6 (0-2’) and TP-12 (10’) because 2 of 2 percent recoveries for benzidine were below control limits and below 10% in the soil MS/MSD samples.
- The “non detected” semi-volatile result for 3,3’-dichlorobenzidine was qualified as “rejected, unusable” (R) in sample TP-6 (0-2’) because 2 of 2 percent recoveries for 3,3’-dichlorobenzidine were below control limits and one was below 10% in the soil MS/MSD sample.

All data that are not qualified rejected, unusable (R) are considered usable with estimated data associated with a higher level of quantitative uncertainty. The data qualified as rejected is based solely on the validation guidance criteria and does not have an impact on the overall findings and conclusions of the investigation.

Alpha's DUSR is provided as **Appendix G**.

4.2 QA/QC Summary

In summary, the results of the Data Usability evaluation indicate that data quality indicators are acceptable, and the soil data obtained during this investigation is adequate for characterizing Site conditions. Weston & Sampson considers the data to be of sufficient level of sensitivity to support the conclusions in this report.

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5.0 CONCEPTUAL SITE MODEL

The preliminary Conceptual Site Model (CSM) presented in the approved WP and SSQAPP has been updated for the Site based upon the data collected to date. The CSM is a representation of the processes that control the release, transport, migration, and impact of contamination to Site receptors.

5.1 Site Description

The Site is developed on the east end with an approximately 13,000-square feet (sq. ft.) brick former mill building that is vacant, severely fire damaged and condemned / structurally unsound. The central portion of the Site is developed with the Valley Falls wastewater treatment facility (WWTF) which discharges treated wastewater to the Hoosic River to the north.

The Site is situated approximately 300 feet above mean sea level and topography at the Site slopes generally towards the Hoosic River to the north and west. Ground cover consists primarily of wooded area, with areas of lawn near the WWTF.

The Site is located within Undifferentiated Middle Ordovician through Lower Cambrian allochthonous rocks – principally pelite; lesser quartzite, limestone, conglomerate, and graywacke. Bedrock was not observed while excavating test pits. Surficial soils at the Site are classified as gravelly sandy loam and silt loam. Bedrock outcrops were observed near the Site in the Hoosic River and to the north of the Site entrance. The observed bedrock confirms the mapped bedrock description as highly fractured limestone.

Groundwater was encountered in TP-4 and TP-5 only, at approximately 10 ft. bgs. Based on nearby environmental investigations, groundwater in the vicinity of the Site is expected to flow towards the Hoosic River, which adjoins the Site to the north and west.

5.2 Sensitive Receptors

Potential receptors include Site users (trespassers and visitors), future Site users (construction workers during Site redevelopment and future park users).

Features that may act as a means of transporting hazardous materials to sensitive receptors include groundwater, surface water, soil, and underground utilities that may act as preferential pathways.

5.3 Contaminants of Concern

Based on the results of the investigation, one SVOC (TP-3) and low-level metals (across the site) were detected above the Unrestricted SCOs. However, based on the future use of the site (passive recreational public park), only concentrations detected above the Residential Restricted SCOs would be considered COCs. The COCs that exceed the Restricted Residential SCOs for this Site include:

- SVOCs in shallow soil (0-2 ft) in a limited area (TP-3) including benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)anthracene, Chrysene, and indeno(1,2,3-cd)pyrene.
- Metals in shallow soil (0-2 ft) in limited areas (TP-1, TP-11) including arsenic, barium, and lead.

5.4 Potential Contaminant Sources

The following potential contaminant sources have been identified at the Site during this investigation:

- AOC-1 Former Mill Building Footprint.
- AOC-2 Former AST Area adjacent to Mill Building (not investigated due to safety concerns)

- AOC-4 Solid Waste Disposal Areas.

Potential release mechanisms for these sources include air deposition (mill operation, mill complex fires, and/or operation of the railroad), direct placement (contaminated fill or placement of fill materials during cleanup from the mill fires), or potential point source releases (from ASTs, rail cars, floor drain discharges, or dumping of materials both near and distal to Site building). It is unclear where potential floor drains would have discharged, but possibilities include discharging directly into the subsurface beneath the building, to a potential former septic system or dry well, and/or to the mill race and Hoosic River.

Potential COCs have been identified based on the potential sources and include SVOCs; and metals within the soils; and PCBs, asbestos, and lead-based paint within building material/debris.

5.5 Migration Pathways

Based on the release mechanisms described above, environmental impacts to certain locations of the Site may have occurred via point and/or non-point sources. Multiple migration and exposure pathways have been identified at the Site.

Once released to the environment, transport mechanisms for potential COCs in soil include leaching to groundwater, erosion of impacted soil through stormwater runoff and flooding from the Hoosic River.

5.6 Exposure Pathways

Potential sensitive receptors of soil contamination include construction workers, trespassers or future site users coming into direct contact with COCs in soil during any activities that disturb the soil. These activities could result in exposure through inhalation, dermal contact, or incidental ingestion of soil. During proposed future use as a passive recreational park, a park visitor could come into direct contact with COCs in soil. Due to safety concerns, the soil below the site building and immediately surrounding the building were not investigated and their current condition are unknown. Therefore, potential pathways in those areas have not been identified.

The COCs were detected in shallow soils and are currently not in contact with the groundwater. Groundwater was not investigated as part of this investigation and current conditions of the groundwater are unknown. However, contaminants could potentially leach through the soil and reach the groundwater, which could cause them to dissolve and flow with groundwater towards the Hoosic River. Based on our conceptual model, the Hoosic River is the discharge point for local groundwater flow. Potentially contaminated groundwater could enter the Hoosic along its banks where it would be discharged during low water periods. Potentially contaminated groundwater may also flow vertically into the bedrock beneath the Site. The highly fractured rock has minimal soil cover in many areas of the Site which may result in direct infiltration of runoff and/or released liquids.

Potential Site receptors such as construction workers could come into direct contact with potential COCs in groundwater if any construction activities extend to the groundwater. These activities could result in exposure through dermal contact or incidental ingestion of groundwater. Many private drinking water wells are mapped surrounding the Site. Several of these wells have been impacted by Off-Site sources of contaminants, indicating release flow into the bedrock is a viable transport mechanism. Water well users could come into contact with potentially impacted groundwater. Because potential groundwater

impacts have not yet been evaluated for the Site, the status of potential groundwater-related exposure pathways is unknown.

Although SVOCs are identified in shallow soil, it is unlikely that nearby residents will be exposed via inhalation to COCs diffusing into building interiors due to their distance from the potential source areas and the presumed direction of local groundwater flow towards the Hoosic River.

The following table summarizes the potentially impacted media, sensitive receptors, and whether each exposure pathway is considered complete, incomplete, or is currently unknown.

Media	COCs	Sensitive Receptors	Exposure Pathways	Exposure Pathway Complete? *
Surface Soil	Metals (Arsenic, barium, chromium, lead, mercury)	Site Users, Future Site Users	Ingestion, Dermal Contact	Complete
	SVOCs	Site Users, Future Site Users	Ingestion, Inhalation	Complete
Subsurface Soil	Metals (Barium, chromium, lead, mercury)	Future Site Users	Ingestion, Dermal Contact	Complete
<p>*It should be noted that the exposure pathways for soil have been completed for the areas investigated. Due to safety concerns, soils below the building and immediately surrounding the building were not investigated and therefore the exposure pathways for soil in those areas of the Site are unknown.</p>				

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6.0 CONCLUSIONS

The results of this Phase II ESA indicate that a limited area of shallow soil (TP-3) is impacted with SVOCs (chrysene) at concentrations above the Unrestricted Use SCOs, and with SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene) at concentrations above the Restricted Residential Use SCOs. The presence of the SVOCs at TP-3 is mostly likely associated with the household solid waste disposed of in that immediate area.

Results further indicate that subsurface Site soils are impacted with metals (barium, lead, mercury, and chromium) at concentrations above the Unrestricted Use SCOs. Shallow soil at one location (TP-1) also contains arsenic, barium and lead at concentrations above the Restricted Residential Use SCOs. Shallow soil at another location (TP-11) is impacted with arsenic and lead above the Restricted Residential Use SCOs. The metal exceedances detected at TP-1 are most likely associated with historic operations including furnace use and associated coal burning and may also be related to the building fire and rubble. The metal exceedances detected at TP-11 are mostly likely associated with the household solid waste disposed of in that immediate area.

Based on the future use of the site (passive recreational park for public use), concentrations detected above the Restricted Residential SCOs are considered COCs. Analytical results and field observations indicated that only shallow soils (0-2 feet) in limited areas (TP-1, TP-3 and TP-11) are impacted with COCs. There were no exceedances of the Restricted Residential SCOs and no obvious indications of contamination within soils deeper than the 2 ft interval.

The Site has a documented history of milling operations, including machining, washing, finishing, storage, dyeing, drying, spinning, coal storage, and pulp, yarn, and twine manufacturing. In addition, portions of the Site have been used for illegal solid waste disposal and dumping. Therefore, Site surficial impacts are likely related to past Site operations and waste disposal. Additionally, Site surficial soil impacts likely resulted from the major fire that destroyed several Site buildings and damaged the sole remaining Site building in 2009. Releases to soil under the footprint of the building and immediate areas may have also occurred due to improper materials storage practices and/or from the 2009 fire.

Three complete exposure pathways to sensitive receptors (via dermal contact, ingestion, and inhalation) have been identified. Current Site users (trespassers and visitors) and future Site users (construction workers during redevelopment and future visitors) may encounter soil contaminated with metals and/or SVOCs. Those Site users could be exposed to metals via dermal contact or ingestion and could be exposed to SVOCs via ingestion or inhalation. The exposure to the metals and/or SVOCs could be eliminated with the removal of the shallow soils where there are exceedances of the Restricted Residential SCOs.

Additional exposure pathways to sensitive receptors may exist related to groundwater at the Site; however, groundwater was not evaluated during this Phase II ESA and the status of those potential exposure pathways is unknown.

Asbestos-containing materials, lead-based paint, and PCB-containing caulk were identified in the Site building material and building rubble. The building will require to be demolished with asbestos in place as all debris materials will be considered asbestos containing. Asbestos-containing materials and lead-based paint will need to be handled in compliance with all applicable laws and regulations governing the disturbance of asbestos-containing materials, lead-based or lead-containing materials, where appropriate, during future redevelopment activities at the Site. PCB-containing materials are regulated

under TSCA and 40 CFR 761, and must be handled in compliance with all applicable laws and regulations for PCBs and hazardous waste.

Additionally, two (2) previously undocumented archaeological areas have been identified at the Site, and the potential exists for archaeologically significant artifacts to be uncovered in at least three (3) other areas where paleosol soils were identified. Prior to potential future development and/or demolition activities, the Site will need to be evaluated for NRHP eligibility. Landmark's Archaeological Monitoring Summary Report has been submitted to SHPO for review and comment. Should future investigations or development at the Site require earth moving to a depth of one to two meters or tree removal, a Phase IB investigation at the Site may be warranted.

7.0 RECOMMENDATIONS

Weston & Sampson offers the following recommendations:

Environmental Recommendations

- The remaining portions of the building should be demolished and properly disposed of offsite. This will allow safe access to the building footprint and areas north of the building (i.e. TP-1 and TP-2) to better characterize and assess Site soils. This will also help to determine if a groundwater investigation is necessary to identify current conditions and evaluate potential groundwater impacts from former onsite operations, solid waste disposal and/or offsite releases.
- Shallow soil (0-2 ft) contamination exceeding the Restricted Residential Use SCOs at TP-3 and TP-11 should be remediated (i.e. limited excavation and soil disposal) during redevelopment activities.

Archaeological Recommendations

- The Site, specifically in areas of the historic dump area (TP-11), OTMHAS (TP-1 and TP-2 areas), and Site 08309.000074, will need to be evaluated by SHPO for NRHP eligibility should the Site be impacted by future development and or demolition. Landmark's Archaeological Monitoring Summary Report has been submitted to SHPO for review/comment and to determine NRHP eligibility.
- Based on the Phase IA assessment and the results of the monitoring, additional Phase IB investigation activities may be warranted should future investigations or development require earth moving to a depth of one to two meters or tree removal. Specifically, a testing strategy utilizing equipment to reach depth of one to two meters (3-6.5 ft) will be needed to evaluate the presence or absence of culture bearing paleosols. It should be noted that for remedial excavation activities completed within shallow soil (0-2 ft) and within areas already investigated (TP-3 and TP-11), a Phase IB monitoring may not be required (to be determined by SHPO after their review of Landmark's Summary Report).

Hazardous Building Material Recommendations

- Access to the remaining building and rubble material should be cordoned off and not occupied by any uncertified asbestos personnel until the proper cleanup/demolition has been completed. Proper signage should be posted to notify trespassers or site visitors that ACMs and PCBs exist on Site.
- ACMs and lead-based paint will need to be handled in compliance with all applicable laws and regulations governing the disturbance of asbestos-containing materials, lead-based or lead-containing materials, where appropriate, during future redevelopment activities at the Site.
- A contamination assessment will be required to identify the extent of the building debris to be included with the building demolition. A site-specific variance will also need to be developed due to the presence of the asbestos containing material/debris.
- PCB-containing materials are regulated under TSCA and 40 CFR 761, and must be handled in compliance with all applicable laws and regulations for PCBs and hazardous waste.

8.0 LIMITATIONS

This Phase II ESA was prepared for the use of the Village of Valley Falls and the EPA, exclusively. The findings provided by Weston & Sampson in this report are based solely on the information reported in this document. Future investigations, and/or information that was not available to Weston & Sampson at the time of the investigation, may result in a modification of the findings stated in this report.

Should additional information become available concerning this Site or neighboring properties, which could directly impact the Site in the future, that information should be made available to Weston & Sampson for review so that, if necessary, conclusions presented in this report may be modified. The conclusions of this report are based on Site conditions observed by Weston & Sampson personnel at the time of the investigation, information provided by the Village of Valley Falls, and samples collected and analyzed on the dates shown or stated in this report. This report has been prepared in accordance with generally accepted engineering and geological practices. No other warranty, express or implied, is made.

9.0 REFERENCES

New York Codes, Rules, and Regulations (NYCRR). 2006. *Title 6, Part 375 – Environmental Remediation Programs*. December 14.

New York State Museum, New York State Geological Survey, New York State Museum Technology Center. 1999. *1:250,000 Bedrock Geology of New York State*.

United States Environmental Protection Agency. 2002. *Guidance for Quality Assurance Project Plans (EPA/240/R-02/009)*. December.

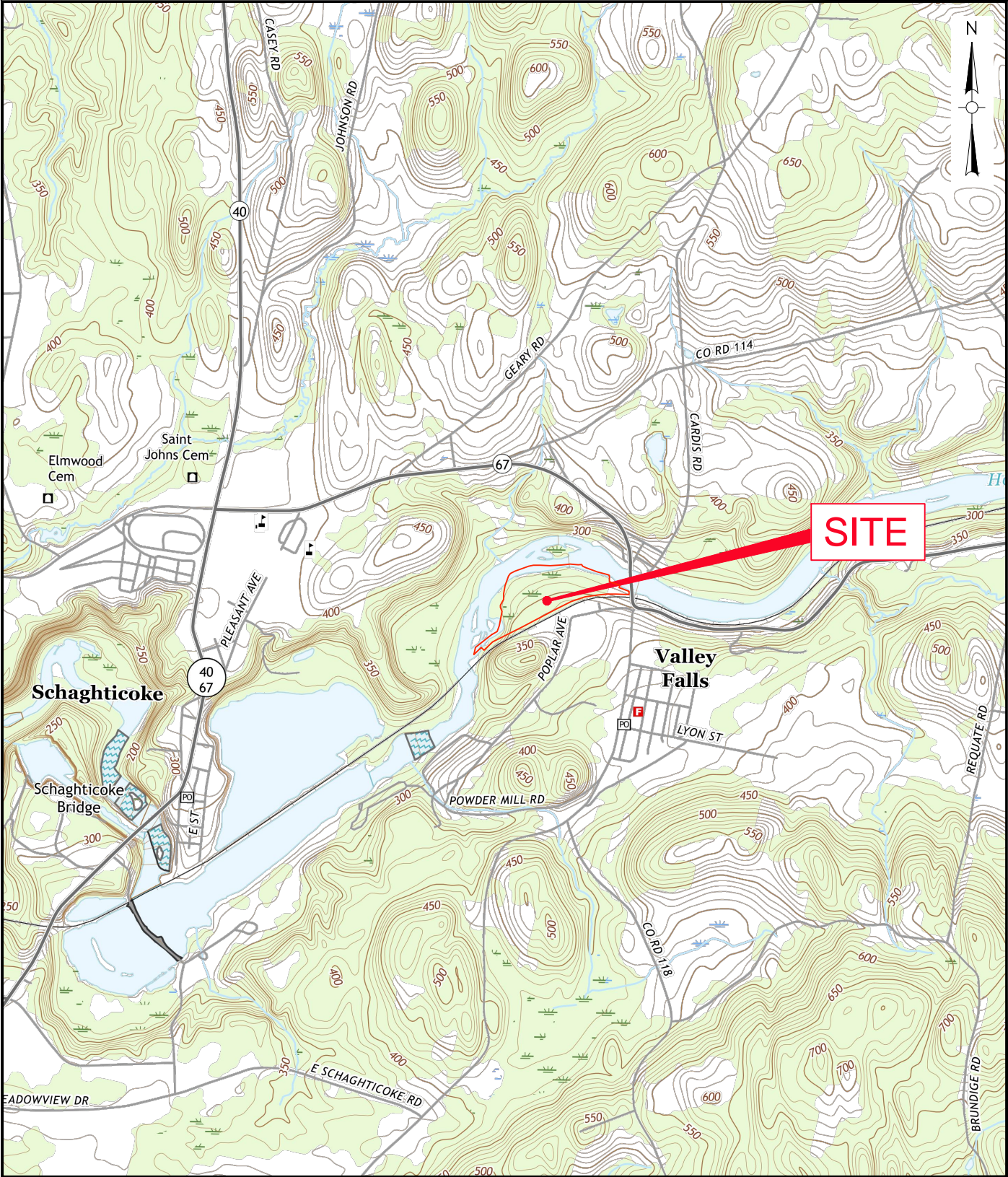
Weston & Sampson Engineers, Inc. 2019. *Site -Specific Quality Assurance Project Plan, Former Thompson Mill Property, Valley Falls, New York*. Prepared for the Village of Valley Falls. June 10.

Weston & Sampson Engineers, Inc. 2019. *Phase II ESA Work Plan, Former Thompson Mill, Valley Falls, New York*. Prepared for the Village of Valley Falls. April 12.

Weston & Sampson Engineers, Inc. 2019. *Phase I Environmental Site Assessment Report, Former Thompson Mill, 273 Poplar Street, Valley Falls, New York*. Prepared for the Village of Valley Falls. January 3.

FIGURES

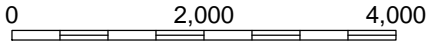
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DATA SOURCES:

Printed from USGS Geological Survey, Schaghticoke Quadrangle New York 7.5-Minute Series September 7, 2018

FIGURE 1
SITE LOCUS MAP
FORMER THOMPSON MILL
VALLEY FALLS, NEW YORK
SCALE: 1"=2,000'



\\wse03.local\Projects\NY\Valley Falls, NY\Thompson Mill - Brownfields Assessment Grant\Phase II ESA\CAD\PAS\Figure 2 - Site Location.dwg



LEGEND

--- SITE BOUNDARY

FIGURE 2
FORMER THOMPSON MILL
VALLEY FALLS, NEW YORK

SITE PLAN

DESIGNED BY: EMG	CHECKED BY: CEL	DATE: OCTOBER 2019
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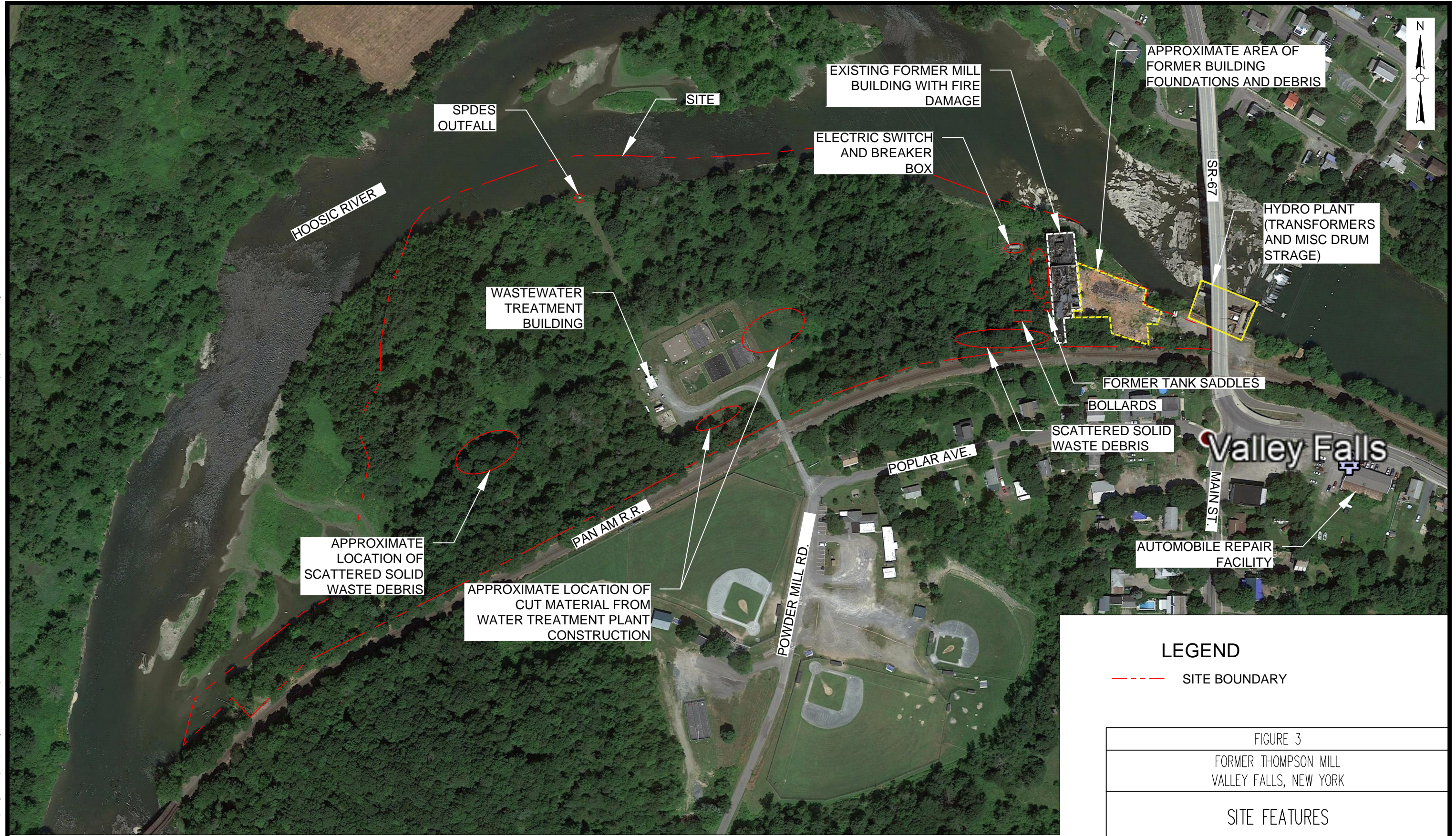
DATA SOURCES:

Downloaded from GIS Clearinghouse
October 10, 2019

SCALE: 1"=200'



\\wse03.local\WSE\Projects\NY\Valley Falls, NY\Thompson Mill - Brownfields Assessment Grant\Phase II ESA\CAD\PAS\FIGURE 3.dwg



APPROXIMATE AREA OF FORMER BUILDING FOUNDATIONS AND DEBRIS

EXISTING FORMER MILL BUILDING WITH FIRE DAMAGE

ELECTRIC SWITCH AND BREAKER BOX

HYDRO PLANT (TRANSFORMERS AND MISC DRUM STRAGE)

SPDES OUTFALL

SITE

HOOSIC RIVER

WASTEWATER TREATMENT BUILDING

FORMER TANK SADDLES

BOLLARDS

SCATTERED SOLID WASTE DEBRIS

Valley Falls

POPLAR AVE.

MAIN ST.

AUTOMOBILE REPAIR FACILITY

PAN AM R.R.

POWDER MILL RD.

APPROXIMATE LOCATION OF SCATTERED SOLID WASTE DEBRIS

APPROXIMATE LOCATION OF CUT MATERIAL FROM WATER TREATMENT PLANT CONSTRUCTION

LEGEND

--- SITE BOUNDARY

FIGURE 3

FORMER THOMPSON MILL
VALLEY FALLS, NEW YORK

SITE FEATURES

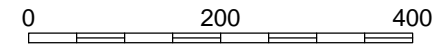
DESIGNED BY: TJB | CHECKED BY: NJS | DATE: NOVEMBER 2019



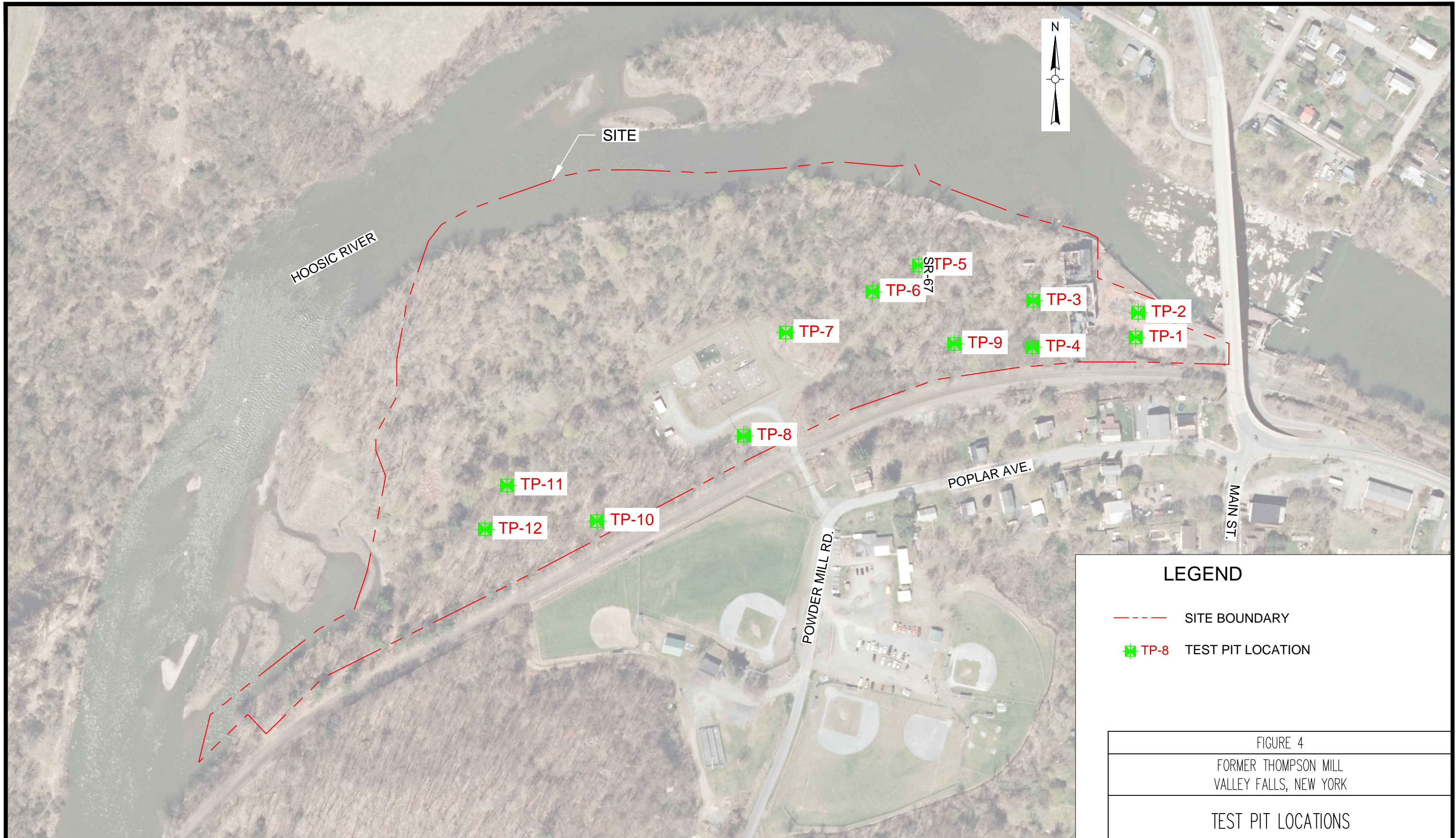
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Printed from Google Earth
September 7, 2018

SCALE: 1"=200'



\\wse03.local\WSE\Projects\NY\Valley Falls, NY\Thompson Mill - Brownfields Assessment Grant\Phase II ESA\CAD\PAS\Figure 4 - Test Pit Locations.dwg



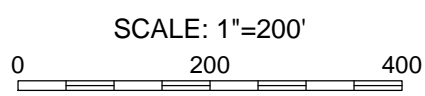
LEGEND

- - - SITE BOUNDARY
- ✖ TP-8 TEST PIT LOCATION

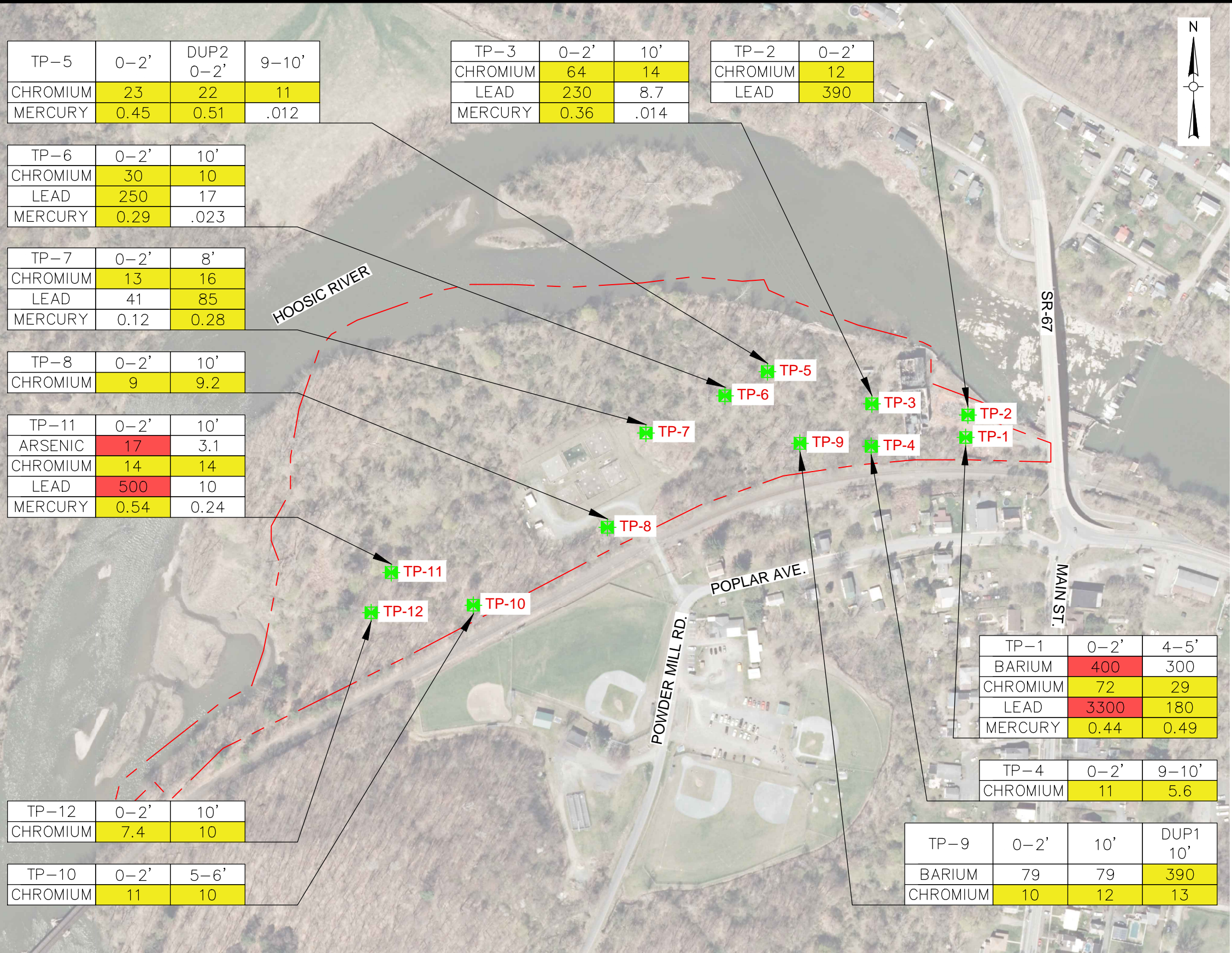
FIGURE 4		
FORMER THOMPSON MILL VALLEY FALLS, NEW YORK		
TEST PIT LOCATIONS		
DESIGNED BY: EMG	CHECKED BY: CEL	DATE: OCTOBER 2019

DATA SOURCES:

Downloaded from GIS Clearinghouse
October 10, 2019



\\wse03.local\WSE\Projects\NY\Valley Falls, NY\Thompson Mill - Brownfields Assessment Grant\Phase II ESA\CAD\PAS\Figure 4 - Metals Exceedances.dwg



TP-5	0-2'	DUP2 0-2'	9-10'
CHROMIUM	23	22	11
MERCURY	0.45	0.51	.012

TP-3	0-2'	10'
CHROMIUM	64	14
LEAD	230	8.7
MERCURY	0.36	.014

TP-2	0-2'
CHROMIUM	12
LEAD	390

TP-6	0-2'	10'
CHROMIUM	30	10
LEAD	250	17
MERCURY	0.29	.023

TP-7	0-2'	8'
CHROMIUM	13	16
LEAD	41	85
MERCURY	0.12	0.28

TP-8	0-2'	10'
CHROMIUM	9	9.2

TP-11	0-2'	10'
ARSENIC	17	3.1
CHROMIUM	14	14
LEAD	500	10
MERCURY	0.54	0.24

TP-1	0-2'	4-5'
BARIUM	400	300
CHROMIUM	72	29
LEAD	3300	180
MERCURY	0.44	0.49

TP-4	0-2'	9-10'
CHROMIUM	11	5.6

TP-9	0-2'	10'	DUP1 10'
BARIUM	79	79	390
CHROMIUM	10	12	13

TP-12	0-2'	10'
CHROMIUM	7.4	10

TP-10	0-2'	5-6'
CHROMIUM	11	10

ANALYTE	UNRESTR. SCOs	RESTR. RES. SCOs	UNITS
ARSENIC	13	16	PPM
BARIUM	350	400	PPM
CHROMIUM	1	110	PPM
LEAD	63	400	PPM
MERCURY	0.18	0.81	PPM

PPM = PARTS PER MILLION
SCO = SOIL CLEANUP OBJECTIVE

LEGEND

- - - SITE BOUNDARY
- ✱ TP-8 TEST PIT LOCATION
- 8.7 VALUE IS BELOW UNRESTRICTED USE SCs
- 13 VALUE EXCEEDS UNRESTRICTED USE SCs
- 120 VALUE EXCEEDS RESTRICTED RESIDENTIAL USE SCs

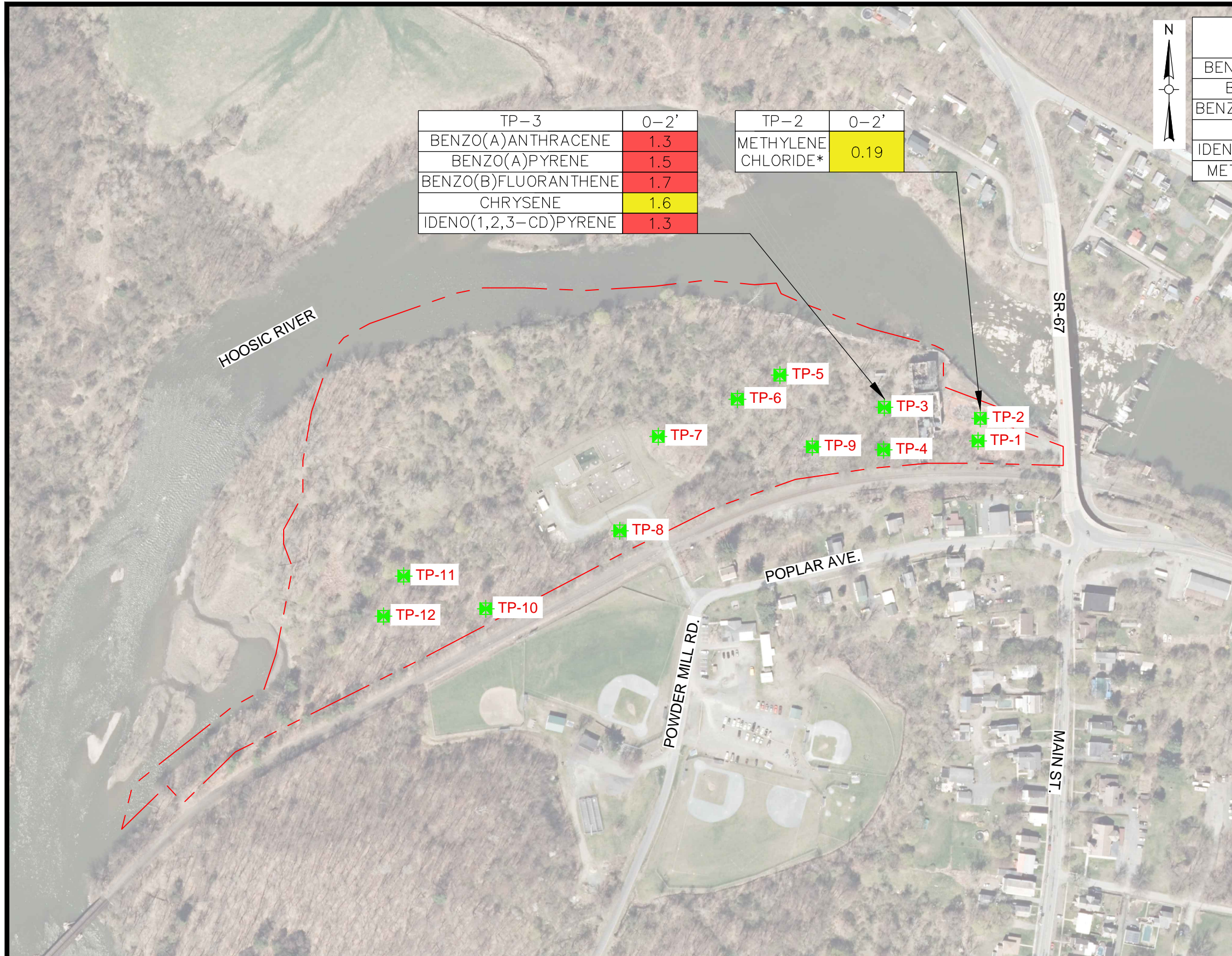
FIGURE 5		
FORMER THOMPSON MILL VALLEY FALLS, NEW YORK		
METALS EXCEEDANCES		
DESIGNED BY: EMG	CHECKED BY: CEL	DATE: NOVEMBER 2019



DATA SOURCES:
Downloaded from GIS Clearinghouse
October 10, 2019

SCALE: 1"=250'
0 250 500

\\wse03.local\WSE\Projects\NY\Valley Falls, NY\Thompson Mill - Brownfields Assessment Grant\Phase II ESA\CAD\PAS\Figure 6 - VOCs SVOCsExceedences.dwg



TP-3	0-2'
BENZO(A)ANTHRACENE	1.3
BENZO(A)PYRENE	1.5
BENZO(B)FLUORANTHENE	1.7
CHRYSENE	1.6
IDENO(1,2,3-CD)PYRENE	1.3

TP-2	0-2'
METHYLENE CHLORIDE*	0.19

ANALYTE	UNRESTR. SCOs	RESTR. RES.SCOs	UNITS
BENZO(A)ANTHRACENE	1	1	PPM
BENZO(A)PYRENE	1	1	PPM
BENZO(B)FLUORANTHENE	1	1	PPM
CHRYSENE	1	3.9	PPM
IDENO(1,2,3-CD)PYRENE	0.5	0.5	PPM
METHYLENE CHLORIDE	0.005	100	PPM

PPM = PARTS PER MILLION
SCO = SOIL CLEANUP OBJECTIVE

LEGEND

- - - SITE BOUNDARY
- ✱ TP-8 TEST PIT LOCATION
- 13 VALUE EXCEEDS UNRESTRICTED SCOs
- 120 VALUE EXCEEDS RESTRICTED RESIDENTIAL SCOs

*METHYLENE CHLORIDE IS TYPICALLY USED IN THE LABORATORY AS A CLEANING AGENT. AS SUCH, THE CONCENTRATION DETECTED IN TP-2 IS CONSIDERED A RESIDUAL LAB ARTIFACT AND IS NOT CONSIDERED A CONTAMINANT OF CONCERN (COC).

FIGURE 6
FORMER THOMPSON MILL
VALLEY FALLS, NEW YORK

VOC/SVOC EXCEEDANCES

DESIGNED BY: EMG | CHECKED BY: CEL | DATE: NOVEMBER 2019



DATA SOURCES:

Downloaded from GIS Clearinghouse
October 10, 2019

SCALE: 1"=250'

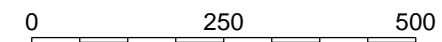


TABLE 1
Summary of Soil Analytical Results – Detected Compounds Only

Table 1
Summary of Soil Analytical Results - Detected Compounds Only
Thompson's Mill
Valley Falls, New York

Parameter	Units	NYSDEC Part 375 Unrestricted Use SCOs (1)	NYSDEC Part 375 Restricted Residential Use SCOs (1)	Sample Location and Date											
				TP-1 (0-2')	TP-1 (4-5')	TP-2 (0-2')	TP-3 (0-2')	TP-3 (10')	TP-4 (0-2')	TP-4 (9-10')	TP-5 (0-2')	DUP 2	TP-5 (9-10')	TP-6 (0-2')	TP-6 (10')
				04-Oct-2019	04-Oct-2019	04-Oct-2019	03-Oct-2019	03-Oct-2019	03-Oct-2019	03-Oct-2019	03-Oct-2019	03-Oct-2019	03-Oct-2019	03-Oct-2019	03-Oct-2019
Metals															
Arsenic	ppm	13	16	ND	3.6	4.1	8.5	1.8	2.7	1.9	4.6	3.9	1.8	8.2	2.3
Barium	ppm	350	400	400	300	130	130	53	47	30	64	65	56	130	56
Cadmium	ppm	2.5	4.3	ND	ND	0.52	1.1	0.084	0.14	0.096	0.52	0.46	0.099	0.9	0.13
Chromium (Total)	ppm	1	110	72	29	12	64	14	11	5.6	23	22	11	30	10
Lead	ppm	63	400	3300	180	390	230	8.7	13	6.8	51	53	8.4	250	17
Mercury	ppm	0.18	0.81	0.44	0.49	0.064	0.36	0.014	0.076	0.0099	0.45	0.51	0.012	0.29	0.023
Silver	ppm	2	180	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOCs															
Acetone	ppm	0.05	100	ND	ND	ND	ND	0.038	ND	0.016	ND	ND	ND	ND	ND
Benzene	ppm	0.06	4.8	ND	ND	0.041	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ppm	0.05	100	ND	0.0058	0.19	0.013	0.012	0.0075	0.0041	0.0032	0.0023	0.0042	0.014	0.008
Tetrachloroethylene	ppm	1.3	19	ND	ND	0.038	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ppm	0.7	100	ND	ND	0.029	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs															
Acenaphthene	ppm	20	100	ND	ND	ND	0.16	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ppm	100	100	ND	ND	ND	0.31	ND	ND	ND	ND	ND	ND	0.12	ND
Benzo(a)anthracene	ppm	1	1	0.25	ND	ND	1.3	ND	ND	ND	0.21	0.25	ND	0.53	ND
Benzo(a)pyrene	ppm	1	1	0.23	ND	ND	1.5	ND	ND	ND	0.19	0.25	ND	0.49	ND
Benzo(b)fluoranthene	ppm	1	1	0.37	ND	ND	1.7	ND	ND	ND	0.22	0.3	ND	0.61	ND
Benzo(g,h,i)perylene	ppm	100	100	0.19	ND	ND	1.2	ND	ND	ND	0.13	0.13	ND	0.32	ND
Benzo(k)fluoranthene	ppm	0.8	3.9	ND	ND	ND	0.61	ND	ND	ND	ND	ND	ND	0.25	ND
Carbazole	ppm	NS	NS	ND	ND	ND	0.21	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ppm	1	3.9	0.32	ND	ND	1.6	ND	ND	ND	0.2	0.26	ND	0.58	ND
Dibenz(a,h)anthracene	ppm	0.33	0.33	ND	ND	ND	0.28	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ppm	100	100	0.49	ND	ND	3.2	ND	ND	ND	0.41	0.42	ND	1.1	ND
Fluorene	ppm	30	100	ND	ND	ND	0.19	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ppm	0.5	0.5	0.21	ND	ND	1.3	ND	ND	ND	0.15	0.17	ND	0.38	ND
Isophorone	ppm	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-Methylnaphthalene	ppm	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.17	ND
2-Methylnaphthalene	ppm	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2	ND
Naphthalene	ppm	12	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.15	ND
Phenanthrene	ppm	100	100	0.2	ND	ND	2.5	ND	ND	ND	0.26	0.17	ND	0.89	ND
Pyrene	ppm	100	100	0.58	ND	ND	4	ND	ND	ND	0.42	0.55	ND	1.2	ND
PCBs															
Aroclor-1254	ppm	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	0.14	ND
Pesticides															
	ppm			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Herbicides															
	ppm			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Asbestos															
	%			ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA

Abbreviations:
NYSDEC = New York State Department of Environmental Conservation
SCOs = Soil Cleanup Objectives
VOCs and SVOCs = Volatile and Semivolatile Organic Compounds
PCBs=Polychlorinated Biphenyls
ND = A non-detectable concentration by NYSDEC-approved analytical methods
NS = No Standard available
NA = Not Analyzed for Compound
ppm = parts per million

Notes:
Data only displayed for compounds detected above laboratory reporting limits. Please refer to laboratory analytical reports included in Appendix F for complete results.
No Asbestos, Pesticides, or Herbicides were detected within soils

1.6 Parameter exceeds the Unrestricted Use SCOs
1.7 Parameter exceeds the Restricted Residential Use SCOs

1 = Standards are from the NYSDEC 6 NYCRR Part 375, Environmental Remediation Programs, dated December 14, 2006.

Table 1
Summary of Soil Analytical Results - Detected Compounds Only
Thompson's Mill
Valley Falls, New York

Parameter	Units	NYSDEC Part 375 Unrestricted Use SCOs (1)	NYSDEC Part 375 Restricted Residential Use SCOs (1)	Sample Location and Date												
				TP-7 (0-2')	TP-7 (8')	TP-8 (0-2')	TP-8 (10')	TP-9 (0-2')	TP-9 (10')	DUP 1	TP-10 (0-2')	TP-10 (5-6')	TP-11 (0-2')	TP-11 (10')	TP-12 (0-2')	TP-12 (10')
				02-Oct-2019	02-Oct-2019	02-Oct-2019	02-Oct-2019	03-Oct-2019	03-Oct-2019	03-Oct-2019	02-Oct-2019	02-Oct-2019	02-Oct-2019	02-Oct-2019	02-Oct-2019	02-Oct-2019
Metals																
Arsenic	ppm	13	16	3	2.7	3.3	2.3	1.6	2.1	5	3.5	4	17	3.1	1.8	3
Barium	ppm	350	400	88	120	67	49	79	79	390	71	64	240	120	30	72
Cadmium	ppm	2.5	4.3	0.24	0.24	0.15	0.094	0.11	ND	0.19	0.16	0.24	1.4	0.11	0.12	0.12
Chromium (Total)	ppm	1	110	13	16	9	9.2	10	12	13	11	10	14	14	7.4	10
Lead	ppm	63	400	41	85	15	10	12	11	11	16	19	500	10	7.4	12
Mercury	ppm	0.18	0.81	0.12	0.28	0.076	0.012	0.049	0.013	0.014	0.036	0.062	0.54	0.024	0.02	0.017
Silver	ppm	2	180	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOCs																
Acetone	ppm	0.05	100	ND	0.028	ND	ND	ND	ND	0.031	ND	ND	ND	ND	ND	0.027
Benzene	ppm	0.06	4.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ppm	0.05	100	ND	ND	0.0034	0.0012	0.0097	0.0066	0.023	0.0012	ND	0.022	0.0029	0.011	0.011
Tetrachloroethylene	ppm	1.3	19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ppm	0.7	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs																
Acenaphthene	ppm	20	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ppm	100	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ppm	1	1	ND	0.13	ND	ND	ND	ND	ND	ND	ND	0.46	ND	ND	ND
Benzo(a)pyrene	ppm	1	1	ND	0.13	ND	ND	ND	ND	ND	ND	ND	0.6	ND	ND	ND
Benzo(b)fluoranthene	ppm	1	1	ND	0.15	ND	ND	ND	ND	ND	ND	ND	0.61	ND	ND	ND
Benzo(g,h,i)perylene	ppm	100	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.48	ND	ND	ND
Benzo(k)fluoranthene	ppm	0.8	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.25	ND	ND	ND
Carbazole	ppm	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ppm	1	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.55	ND	ND	ND
Dibenz(a,h)anthracene	ppm	0.33	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.13	ND	ND	ND
Fluoranthene	ppm	100	100	ND	0.25	ND	ND	ND	ND	ND	ND	ND	0.86	ND	ND	ND
Fluorene	ppm	30	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ppm	0.5	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.44	ND	ND	ND
Isophorone	ppm	50	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-Methylnaphthalene	ppm	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ppm	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ppm	12	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ppm	100	100	ND	0.14	ND	ND	ND	ND	ND	ND	ND	0.52	ND	ND	ND
Pyrene	ppm	100	100	ND	0.3	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND
PCBs																
Aroclor-1254	ppm	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides																
	ppm			NA	NA	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA	NA
Herbicides																
	ppm			NA	NA	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA	NA
Asbestos																
	%			NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA

Abbreviations:
NYSDEC = New York State Department of Environmental Conservation
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No Asbestos, Pesticides, or Herbicides were detected within soils

1.6 Parameter exceeds the Unrestricted Use SCOs
1.7 Parameter exceeds the Restricted Residential Use SCOs

1 = Standards are from the NYSDEC 6 NYCRR Part 375, Environmental Remediation Programs, dated December 14, 2006.

APPENDIX A

Landmark Archaeology Report

LANDMARK ARCHAEOLOGY, INC.

Archaeological Investigations ♦ Historical Research ♦ Preservation Planning ♦ GIS/GPS Applications
6242 Hawes Road Altamont, NY 12009-4606 Phone (518) 861-8283 Fax (518) 861-8283



Susan Gade, RPA, President
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November 21, 2019

Ms. Sarah R. DeStefano
Weston & Sampson
1 Winners Circle, Suite 130
Albany, NY 12205

RE: Letter Report, Phase IA Archaeological Assessment and Archaeological Monitoring at Old Thompson Mill Site, Valley Falls, Rensselaer County, New York
18PR06192

Dear Ms. DeStefano:

A. Introduction

This letter report details the results of a Phase IA archaeological sensitivity assessment and archaeological monitoring at the Old Thompson Mill Site, Valley Falls, Rensselaer County, New York (Figure 1). Monitoring was conducted at 12 backhoe test pits required to complete a Phase II Environmental Site Assessment. The Phase IA study and archaeological monitoring was conducted by Landmark Archaeology, Inc., who was retained as a consultant by Weston & Sampson, Albany, New York. The Phase IA effort followed guidelines set forth in *Standards for Cultural Resource Investigations and the Curation of Archaeological Collections in New York State by the New York Archaeological Council (NYAC)*.

B. Description of undertaking

The project is funded by utilizing EPA Brownfields resources. The 23.9-acre property is currently owned by the Village of Valley Falls. The land is undeveloped and forested/wooded except for the village water treatment facility located in the south-center of the parcel and the ruins of the Old Thompson Mill (Appendix A, Photograph 1), located in the southeast corner of the property. The Hoosick River forms the northern boundary, and an active railroad line, its southern. The project area is immediately downstream from the State Highway 67 bridge on the left bank of the Hoosick River (Figure 2).

The archaeological investigation was conducted to support Phase II Environmental Site Assessment (ESA) work at the property. The ESA investigation consisted of the excavation of 12 backhoe pits (Figure 3). Test pits were positioned at Areas of Concern (AOC) determined by the Phase I ESA recognized environmental conditions (RECs), and were not located to determine archaeological potential. Each backhoe trench was about 10x10 feet in dimension and excavated to maximum depth of 10 feet, or until bedrock was encountered.

C. Description of project area

The 23.9-acre (9.8 ha) project area is confined to a late Pleistocene glacial terrace on the left side of the Hoosick River. A high terrace is located in the southern part of the project area and a low terrace forms the northern part. Elevations range from 280 feet amsl near the banks of the Hoosick River to approximately 330 feet amsl in the project area. The boundary between the lower and upper terrace is generally formed by the 300-foot contour line, marked by a well defined escarpment edge. Except for the escarpment hillslope, the topography is gently sloping to flat. Second growth trees and scrub brush cover the majority of the project area.

Modern and early twentieth century household debris, scrap metal, car parts, and modern fabric were observed in several areas within the parcel. Household debris, dating late 20th century to modern, occur on the backside and hillslope along the escarpment in several locations. Modern trash pile dumps are visible on the surface in areas adjacent to the west side of the Old Thompson Mill. The distribution, age

and type of historic and modern debris encountered suggest that the project area has been used as an informal disposal/dumping ground by different households in the last 50 to 100 years.

Five soils are mapped in the project area: Haven silt loam (HbB); Hoosic gravelly sandy loam, hilly (HoD); Nassau-Rock outcrop complex (NrC and NrD), and Unadilla silt loam (UnA) (Work 1998; Figure 4). Summary information of the soils is presented in Table 1.

Table 1
Soil Summary Information

Soil Name	Symbol	Slope	Drainage Class	Parent Material	Landform
Haven silt loam	HbB	3-8%	Well drained	Loamy glaciofluvial deposits	Outwash plains
Hoosic gravelly sandy loam, hilly	HoD	10-30%	Well drained to excessively drained	Sandy and gravelly glaciofluvial deposits	Outwash plains, terraces, deltas
Nassau-Rock outcrop complex, rolling	NrC	1-16%	Somewhat excessively drained	Till derived from slate or shale	Benches, ridges, till plains
Nassau-Rock outcrop complex, hilly	NrD	16-50%	Somewhat excessively drained	Till derived from slate or shale	Benches, ridges, till plains
Unadilla silt loam	UnA	0-3%	Well drained	Old alluvium	Delta deposits

Work (198

D. Phase IA Research

Phase IA research included a site files search utilizing the Cultural Resource Information System (CRIS) maintained at the Office of Parks, Recreation and Historic Preservation (OPRHP). These records show one National Register of Historic Places (NRHP) property near the project area. The property is the Valley Falls Historic District (18NR00024) which includes the village of Valley Falls. According to CRIS records, the Old Thompson Mill built around 1870 is recognized as a cultural resource (08346.000136), but its NRHP status has not been determined. Much of the mill burned in a 1999 fire, leaving the mill currently in a derelict state. The Valley Falls Wastewater Treatment Plant (08346.000135) has been determined not NRHP eligible. There are no NRHP archaeological sites within or adjacent to the project area.

There are five archaeological sites located within one mile of the project area (Table 2) including two sites within the project boundaries (see Figure 2 and 3). The sites in the project area include one prehistoric site (08309.000074) and one historic site (08346.000001). The prehistoric site was identified during a Phase I archaeological investigation of the Valley Falls Wastewater Outfall (Hartgen Archaeological Associates, Inc. [HAA] (2002, 2003). The site lies along the northern project area. The cultural affiliation of the site is unknown and the NRHP status of the site has not been determined. The historic site is located southeast of the Valley Falls Wastewater Treatment Plant (HAA 1995). The historic site's type and age is not provided on CRIS records, and the NRHP status has not been determined.

Table 2
Previously Recorded Sites within One Mile of the Project Area

OPRHP #	NYSM #	Reported By	Site Identifier/Description	Time Period
08312.000066		SUNY Albany	Parker Rensselaer Co. Site No. 13	Prehistoric
08312.000008		Richard S. Allen	Powder Mills Bldg	Historic, mid-19 th century
08346.000001		HAA	Valley Falls Trench 12 Historic Archeological Site	Historic
08309.000074		HAA	Valley Falls Wastewater Outfall Prehistoric Site	Prehistoric
08346.000002		HAA	Valley Falls STP Archeological Site	Prehistoric

BOLD = within or adjacent to Project Area

Previous archaeological investigations listed on CRIS that fall within one mile of the project area are listed in Table 3. The above mentioned Valley Falls Wastewater Outfall work is the only study located within the project area.

Table 3
Archaeological Investigations within One Mile of the Project Area

Survey Title	Year	Consultant	Distance from Project Area	Recommendations/Sites Identified
Phase IB Archeological Investigation Letter Report, Valley Falls Wastewater Treatment Facility Outfall, Village of Valley Falls, Rensselaer County, NY; Archeological Monitoring Investigation, Valley Falls Wastewater Outlet, Village of Valley Falls, Rensselaer County, NY	2002 2003	HAA, Inc.	Within	No further work
Phase IA/IB Cultural Resources Survey, Hill Wetland Restoration Project, Town of Schaghticoke, Rensselaer County, NY	2006	Birchwood Archaeological Services	Approx. 0.2 miles west	No further work
Phase IA Literature Review and Archeological Sensitivity Assessment and Phase IB Archeological Field Reconnaissance, Valley Falls Free Library Building Expansion, 42 State Street, Village of Valley Falls, Town of Pittstown, Rensselaer County, NY	2005	HAA, Inc.	Approx. 0.4 miles southeast	No further work
Phase IA Archeological Background and Literature Review and Phase IB Archeological Field Reconnaissance Report of the Proposed Village of Schaghticoke Water Distribution System Improvements Project in the Village of Schaghticoke in Rensselaer County, NY	2016	Alliance Archaeological Services	Approx. 0.5 miles west	School House #4 Historic Site

Historic maps reviewed during the Phase IA study included the years 1854 (Rogerson 1854; Figure 5) 1861 (Lake and Beers 1861; Figure 6) and 1898 (USGS 1898; Figure 7). The 1854 and 1861 maps show several structures along the shoreline in the northeastern portion of the project area. None are identified as a mill. The 1898 map depicts the project area as undeveloped. The railroad tracks that border the southern project area are illustrated on the 1854 and 1898 maps, but are absent on the 1861 map.

Based on the physiographic setting and previous archaeological work, archaeological potential within the parcel was considered high for both historic and prehistoric resources. Background research shows numerous prehistoric sites previously recorded within one mile of the parcel and two of those sites are located within the project area. Historic maps indicate that there are structures in the APE in 1858 and 1861 near the Old Thompson Mill ruins. As established by previous archaeological work conducted in the project area, a “buried precontact cultural horizon” (Site 08309.000074) (HAA, 2002) is present in part of the property, which indicates high potential for the presence of other unidentified buried sites.

E. Results of Archaeological Monitoring

The Phase IB field monitoring was conducted October 2, 3, and 4th 2019. Fieldwork included archaeological monitoring of 12 backhoe pits excavated for a Phase II Environmental Site Assessment (ESA). Archaeological monitoring was conducted by the Derrick (Dirk) J. Marcucci, Principal Investigator, Sam Marcucci, and Darrell Pinckney. Landmark personnel observed the excavations from the surface of the pits, which were deemed unsafe to enter after 4 feet (1.2 meter) deep. A small

representative sample of bottles was collected from TP 11. In three excavations, buried paleosols were encountered and soil samples were removed for screening through ¼-inch hardware cloth. Approximate

five gallons (19 liters) of soil was sampled in these circumstances. Environmental samples were collected from each TP by Weston & Sampson environmental scientists.

Twelve test pits were dug throughout the project area. A summary of the excavations is presented below in Table 4. As Table 4 indicates, three test pits, TP 5, 9 and 12, were excavated in non-disturbed contexts. In two cases, TP 7 and 10, excavations encountered fill to depths of 10 feet. In all others, either historic kitchen debris (TP 11; Appendix A, Photograph 4), modern debris (TPs 3, 4, 6, 7, and 8), or structural remains of the Old Thompson Mill were documented (TP 1 and 2). Buried paleosols were found in TP 5, (Appendix A, Photograph 5; Figure 8) 6, and 9. Samples from these buried A horizons did not yield artifacts, nor was charcoal or other cultural materials observed in these deposits.

Table 3
Trench Monitoring Summary

Test Pit #	Native Soils	Buried A Paleosol Present	Disturbed Upper Soils	Historic Debris Present	Modern Debris Present	Old Thompson Mill Structural Features Encountered.	Comments
1			x	Brick, concrete foundation		x	Trench excavated in collapse mill building. Concrete floor encountered at about 5 feet below surface
2			x	Brick, concrete foundation		x	Trench excavated in collapse mill building. Concrete floor encountered at about 1 foot below surface
3			x		x		Surface is capped by about 1 meter of modern debris
4			x		x		Surface is capped by about 1.2 meter of modern debris
5	x	x					Natural soils w/buried A at 0.5 meter.
6	x	x			x		Modern waste debris (bottles, metal, ash) covers natural soils. Debris is about 1 meter thick. Buried A horizon encountered at 1.4 meters
7			x		x		Trench excavated on man-made knoll created from wastewater treatment top/spoil construction grading.
8			x		x		Disturbed soil associated w/wastewater treatment plan. Modern debris on surface extends about 30 cm.
9	x	x					Undisturbed. Buried A horizon at 90 cm below surface.
10			x				Railroad berm fill. Fill extends 8 feet or more.
11			x	Bottles and other kitchen debris			Historic dump (ca. 1900). Ash, bottles and kitchen/household metal debris found in escarpment edge.
12	x						Trench on hillslope, natural soil profile.

F. Summary and Recommendations

The Phase IA archaeological sensitivity assessment indicates two previously recorded archaeological sites, the Valley Falls Trench 12 Historic Archeological Site and the Valley Falls Wastewater Outfall Prehistoric Site within the project area, neither of which were affected by the current undertaking. An historic mill is partially standing in the eastern limits of the project area. This mill is known as the Old Thompson Mill, a textile mill dating ca. 1870. The mill was in use until the 1980s and burned in 1999. In addition to the mill, several historic structures are shown in the property along the river shore on maps dating 1854 and 1861. The Phase IA information indicates that the parcel should be considered high potential for the presence of historic and prehistoric archaeological sites.

Two previously undocumented archaeological sites, TP 11 Historic Site and Old Thompson Mill Historic Archaeological Site (OTMHAS), were identified as a result of the current monitoring (see Figure 3). A New York inventory form for both sites is attached as Appendix C. An early 20th century historic dump was encountered in TP 11. TP Historic Site is a dump/ash midden comprised of mostly bottles, and other kitchen debris discarded along the escarpment edge forming a 30-40 cm cap on the original ground surface. A sample of bottles was collected from the site (Appendix A., Photograph 6). Analysis of the bottles indicates that they date to the early 20th century (Appendix B). The horizontal limits of the dump have not been determined, nor has the site's eligibility to the National Register of Historic Places. The site will need to be evaluated for NRHP eligibility should it be impacted by future development.

Structural remains associated with Thompson Old Valley Mill outbuildings were encountered in TP 1 and TP2 (see Figure 3; Appendix A, Photographs 3 and 4). In both excavations, a layer of brick rubble ranging from one to five feet thick was found over a concrete floor. As noted above, the textile mill dates to the ca. 1870s and is partially standing. Based on the TP 1 and TP 2 findings, other structural remains and potential archaeological materials associated with the mill's operation may exist. The horizontal limits of the OTMHAS have not been determined, nor the site's eligibility to the National Register of Historic Places. The OTMHAS will need to be evaluated for NRHP eligibility if impacted by future development, or demolished.

Buried paleosol soils were found in Test Pits 5, 6, and 9 (Figure 3; Appendix A Photograph 5). These pits cluster on the high terrace west of the mill ruins. Although no artifacts were recovered from these sediments, they have potential to yield materials in other locations. Significantly, previous archaeological work in the project area also identified a buried A soil with archaeological materials in association with Site 08309.000074 (Hartgen, 2002). Site 08309.000074 is preserved in the parcel on the lower terrace in alluvial materials and will need to be evaluated for NRHP eligibility should it be impacted by future development.

Based on the Phase IA assessment, and results of monitoring, a Phase IB investigation appears warranted for the parcel should future development require earth moving including tree removal. Phase IB testing methods will require a testing strategy that utilizes a backhoe to reach depths of one to two meters to determine the presence/absence of culture bearing paleosols.

During your review, please call me at (518) 861-8283 if you have questions or need additional information.

Sincerely yours,

**Derrick J.
Marcucci**

Derrick J. Marcucci, RPA

 Digitally signed by Derrick J. Marcucci
DN: cn=Derrick J. Marcucci, o=Landmark
Archaeology, Inc., ou,
email=dmarcucci@landmarkarchaeologyinc.com,
c=US
Date: 2019.11.21 15:05:28 -05'00'

REFERENCES CITED

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2003 *Letter Report, Archeological Monitoring Investigation, Valley Falls Wastewater Outfall, 02PR00466, Village of Valley Falls, Rensselaer County, New York.* Prepared for Lamont Engineers, Inc., Cobleskill, New York.

2002 *Addendum Report Phase IB Archeological Investigation Valley Falls Wastewater Treatment Project Wastewater Treatment Facility Outfall, Village of Valley Falls, Town of Pittstown, Rensselaer County, New York.* Prepared for Lamont Engineers, Inc., Cobleskill, New York.

Lake, D.G and S.N. Beers

1861 *Map of Rensselaer Co. New York.* Smith, Gallup & Co. Publishing, Philadelphia, PA.

Rogerson, A.E., E. A. Blach and R.P. Smith

1854 *Map of Rensselaer County, New York.* E.A. Balch, Troy.

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1898 *Cohoes, New York, 15 Minute Series (Topographic) United States Department of the Interior, Geological Survey, Washington DC.*

2013 *Schaghticoke, New York 7.5 Minute Series (Topographic) United States Department of the Interior, Geological Survey, Washington DC.*

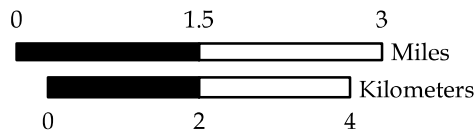
Work, Ralph

1988 *Soil Survey of Rensselaer County, New York.* Natural Resources Conservation Service, United States Department of Agriculture, Washington D.C.

Figures



Source: ESRI
 Projection: NAD 1983 UTM Zone 18N

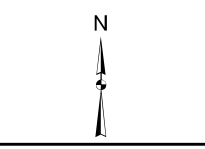


Rensselaer County, NY



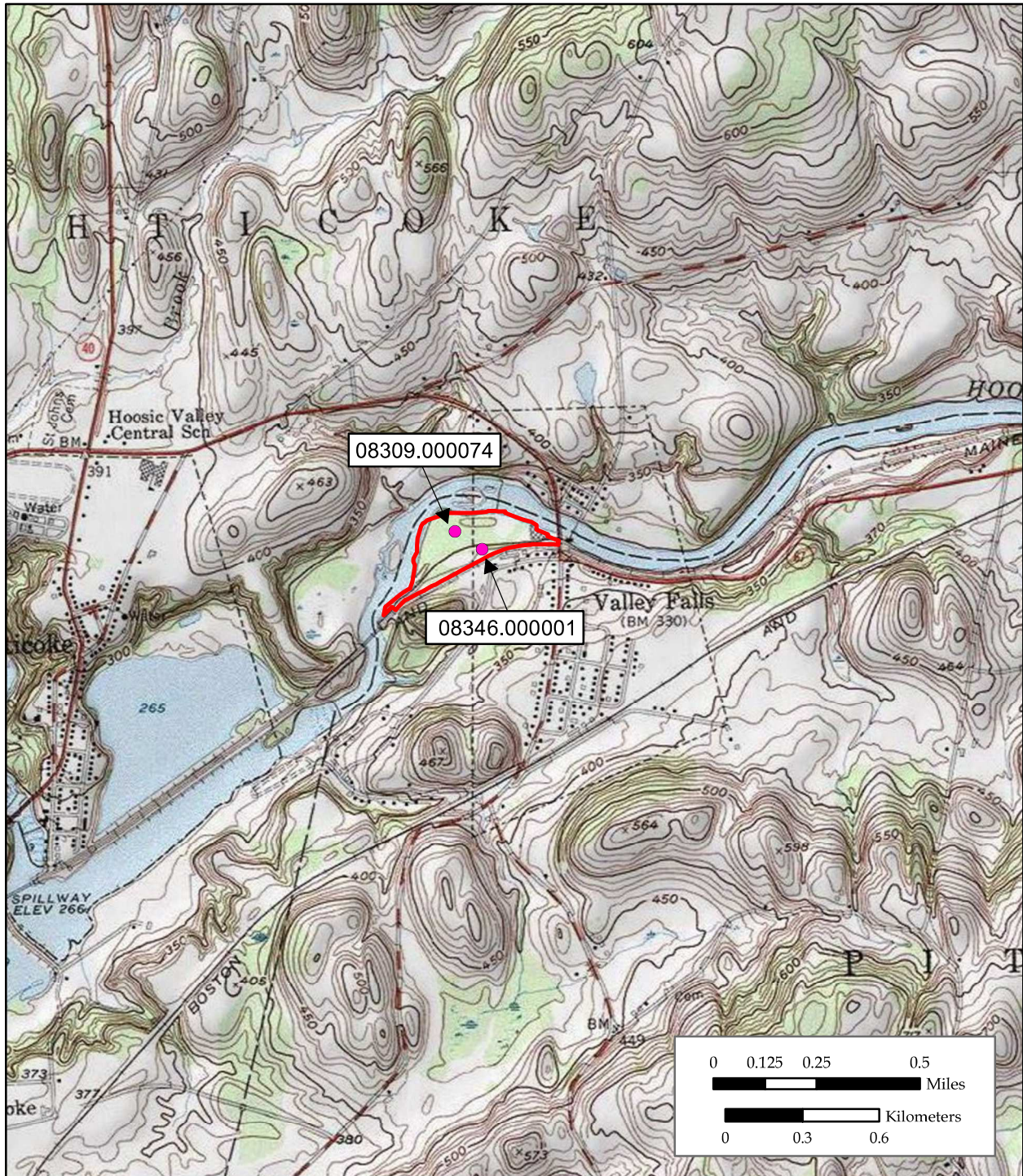
Project Location

Landmark Archaeology, Inc.



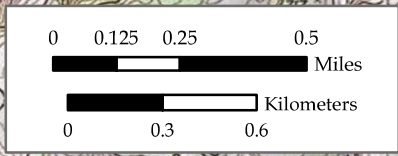
April 8, 2019

Figure 1: Project Location



Source: USGS 7.5' Series Topographic Schaghticoke, NY Quadrangle (2013)
 Projection: NAD 1983 UTM Zone 18N

- Project Area
- Previously Identified Archaeological Site






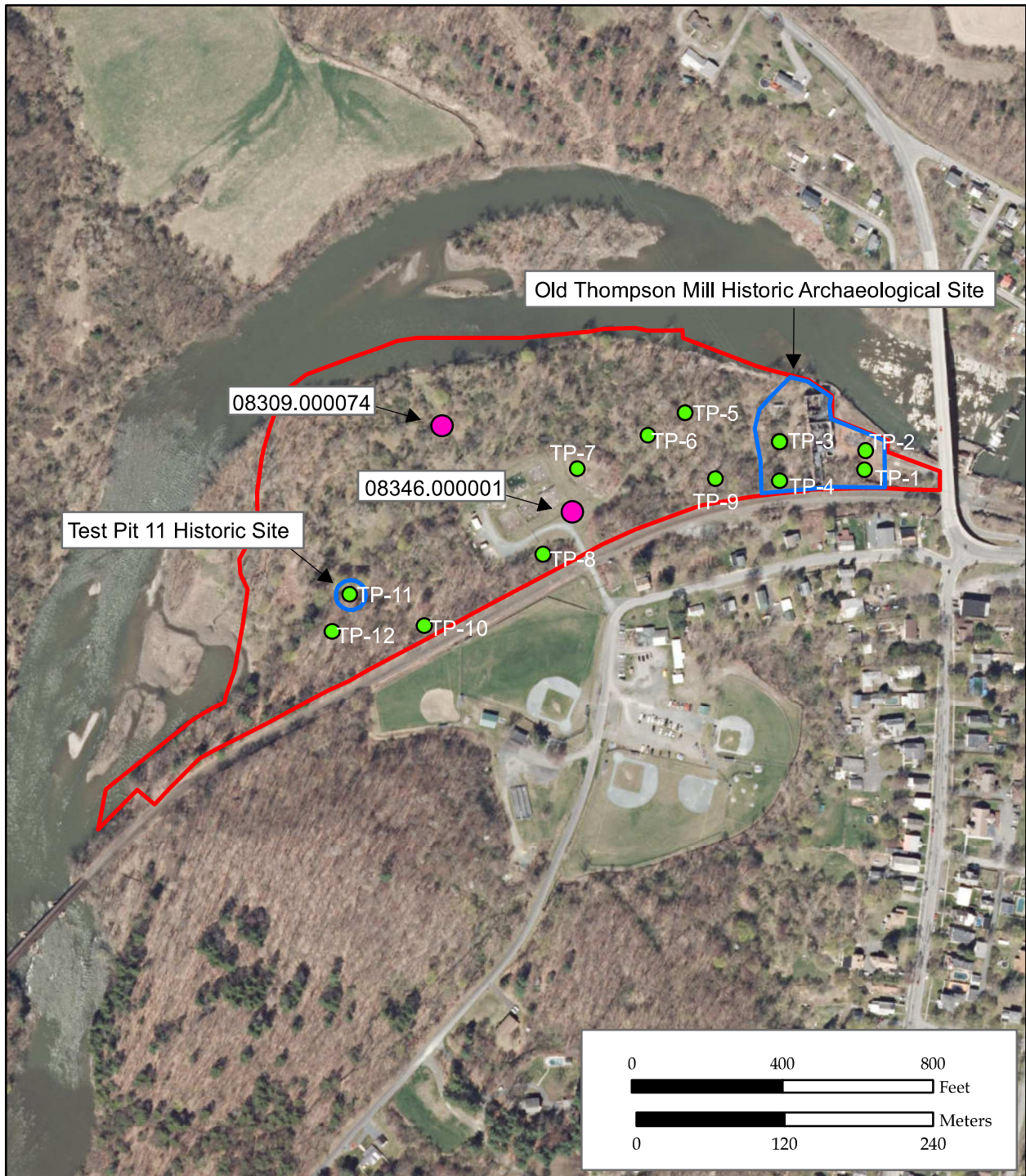
Rensselaer County, NY  Project Location	 Landmark Archaeology, Inc.  November 18, 2019
--	---

Figure 2: Project Area and Previously Identified Archaeological Site Locations



Source: USGS 7.5' Series Topographic Schaghticoke, NY Quadrangle (2013)
 Projection: NAD 1983 UTM Zone 18N

- Project Area
- Test Pit
- Archaeological Site Boundaries
- Previously Identified Archaeological Site

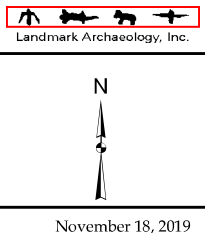
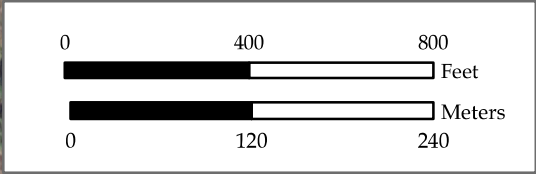
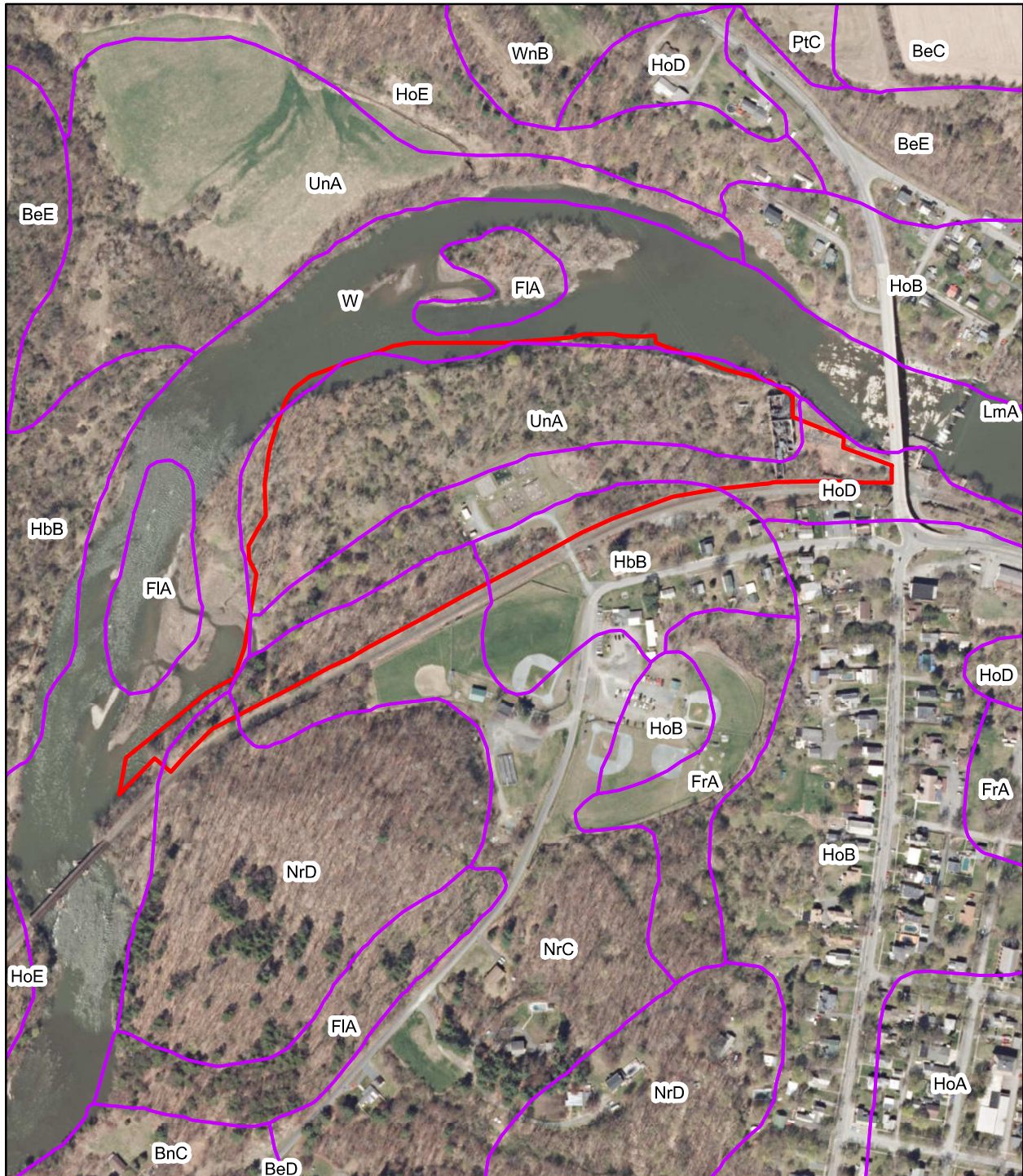


Figure 3: Test Pit and Archaeological Site Locations



Source: ESRI, NRCS
 Projection: NAD 1983 UTM Zone 18N

 Project Area
 Mapped Soil

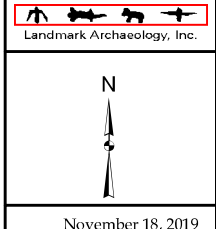
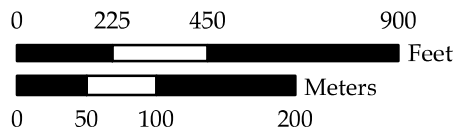
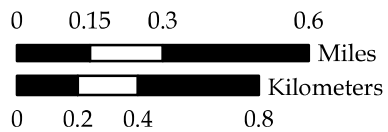


Figure 4: Mapped Soils



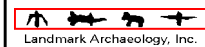
Source: Rogerson et al. (1854)
 Projection: NAD 1983 UTM Zone 18N

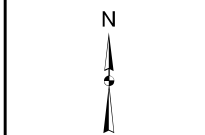
 Project Area



Rensselaer County, NY



 Landmark Archaeology, Inc.



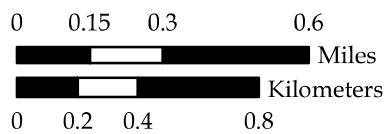
November 18, 2019

Figure 5: Project Area, 1854



Source: Lake and Beers (1861)
 Projection: NAD 1983 UTM Zone 18N

 Project Area



Rensselaer County, NY



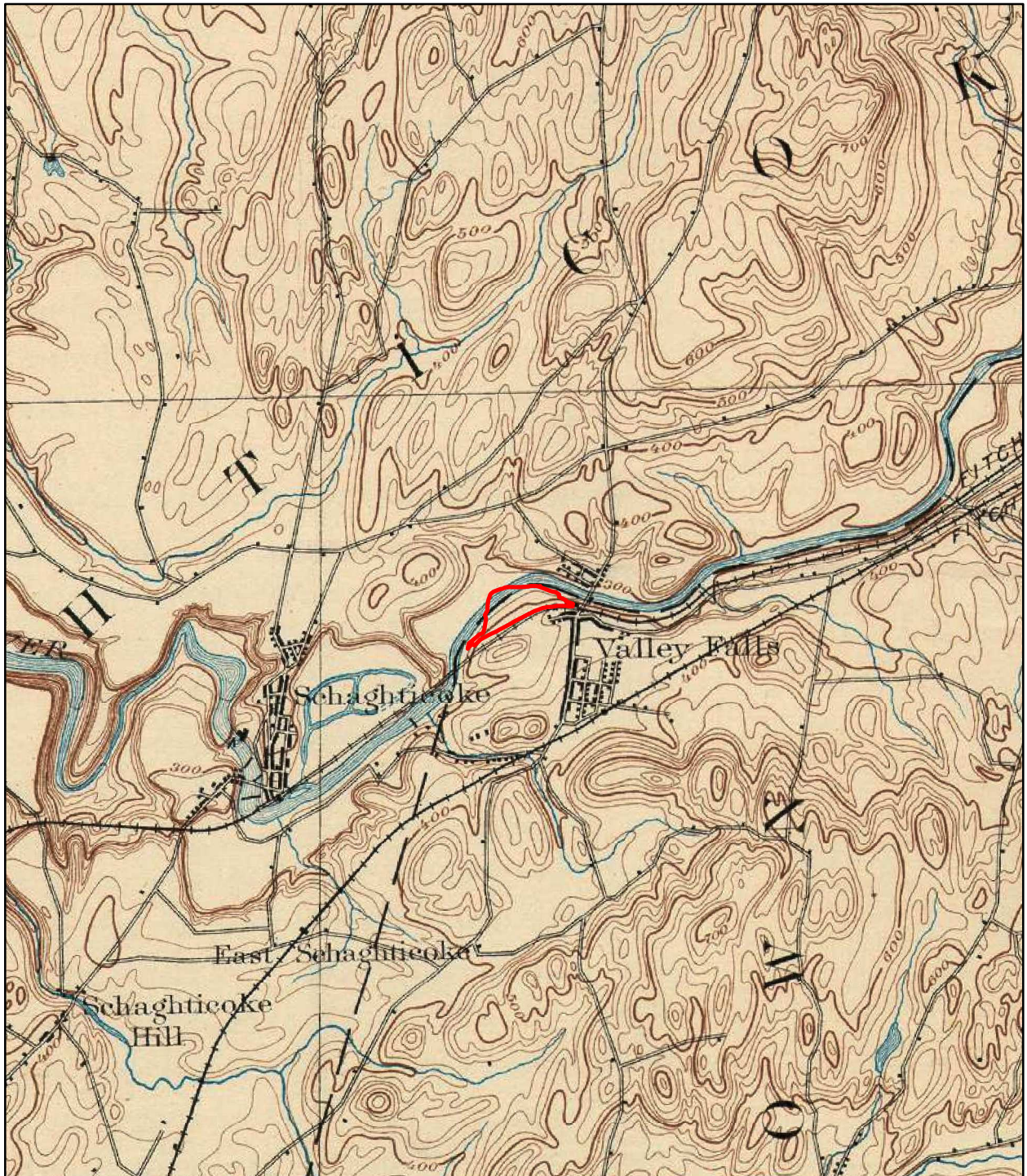
Project Location

 Landmark Archaeology, Inc.



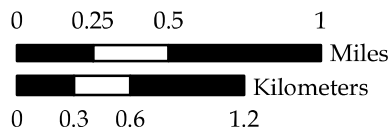
November 18, 2019

Figure 6: Project Area, 1861



Source: USGS 15' Series Topographic Cohoes, NY Quadrangle NE Corner (1898)
 Projection: NAD 1983 UTM Zone 18N

 Project Area



Rensselaer County, NY



Project Location

 Landmark Archaeology, Inc.



November 18, 2019

Figure 7: Project Area, 1898

Test Pit #5 Profile

A soil - Sandy loam 10YR 3/2		30cm
B soil - Silty sand 2.5Y 4/3		50cm
A soil - Sandy loam 2.5Y 4/4	paleosol	80cm
B soil- Silty sand 2.5Y 4/3		105cm
Course sand		125cm
B soil - Silty sand 2.5Y 5/3		220cm
C Glacial till Course sand and cobbles		270cm

Figure 8: TP 5 profile

Appendix A: Photographs



Photograph 1: Old Thompson Mill Ruins, View to East.



Photograph 2: TP 11 Historic Site



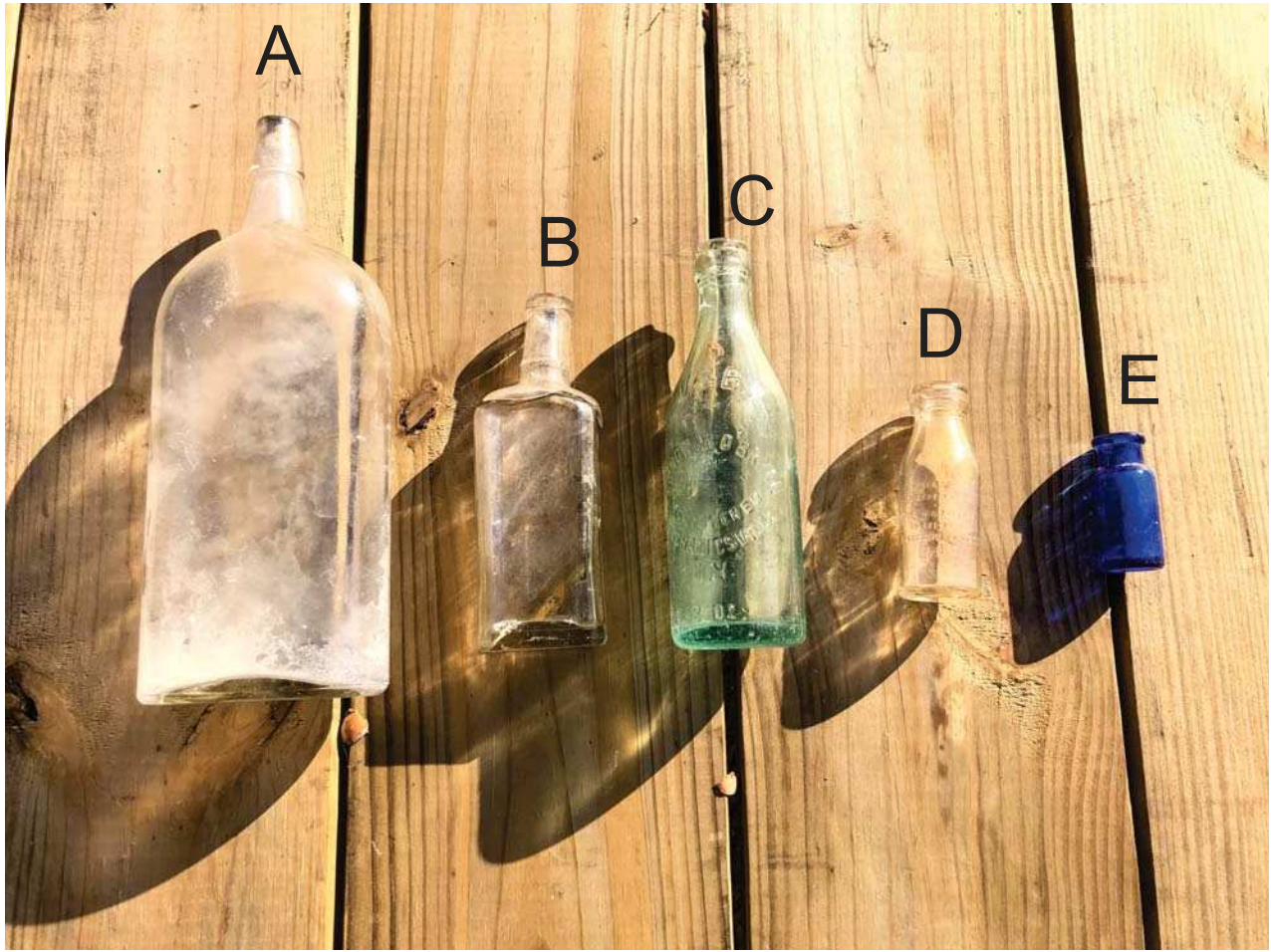
Photograph 4: TP 1



Photograph 3: TP 2, View to North



Photograph 5: TP 5



Photograph 6: Test Pit 11 Historic Site Bottles

Appendix B: Artifact Analysis

APPENDIX B

Bottle Descriptions

A. Large clear bottle with cork

- Owens-Illinois Glass Co
- I in the center of the diamond on the base (meaning Illinois)
- Incorporated 1873
- In 1911 bought Owens Glass co
- In 1917 – the year the bottle is dated – it was the Owens-Illinois Glass Co
- Applied lip, mold seam up the majority of the bottle
- Possibly a ginger beer bottle
-

B. Clear Rectangular bottle

- Molded, including the lip
- Owens-Illinois Glass Co
- 18 on base – 1918
- Likely a liquor bottle

C. Vernon & O'Bryan Bottle

- Vernon & O'Bryan Glass Mechanicsville, NY
- Mineral water bottle
- Est 1896 or 1897 but the bottle was likely made closer to 1908
- Aqua glass
- Crown cap, unlike the older ones with an applied blob like lip

D. Waterbury Battery Oil

- Waterbury Battery Co Waterbury, CT
- Definitely in business by 1912, no information before that
- Maker of non rechargeable batteries in use for railroad signal service (Gowiths.com)
- Glass bottle possibly made by the Illinois-Pacific Glass Co, but the makers mark is no exact to the ones on the SHA website

E. Bromo Seltzer Bottle

- Bromo seltzer is an antacid
- “midnight blue” color
- Emerson Drug co
- In operation by 1915, manufactured until the 1960s
- Likely a product of the Maryland glass corporation

Appendix C:
New York State Historic
Archaeological Site Inventory Forms



NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM
NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

For Office Use Only--Site Identifier

Project Identifier

Your Name Sam Marcucci Date 11/11/19
Address Landmark Archaeology, Inc. Phone (518) 861-8283
6242 Hawes Rd. Altamont, NY 12009

Organization (if any) : Landmark Archaeology, Inc.

1. SITE IDENTIFIER(S): Test Pit 11 Historic Site

2. COUNTY Rensselaer One of the following: CITY:
TOWNSHIP:
INCORPORATED VILLAGE
UNINCORPORATED VILLAGE OR
HAMLET: Valley Falls, NY

3. PRESENT OWNER:
Village of Valley Falls

4. SITE DESCRIPTION (check all appropriate categories):

Superstructure: complete partial collapsed not evident

Foundation: above below (ground level) not evident

Structural subdivisions apparent Only surface traces visible

Buried traces detected

List construction materials (be as specific as possible): early 20th century bottles, ash, other kitchen debris

Grounds

Under Sustaining erosion Woodland Upland

Never cultivated Previously cultivated Floodplain Pastureland

Soil Drainage: excellent good fair poor

Distance to nearest water from structure (approx.) < 1 mile

Elevation: 300 feet amsl

5. Site Investigation (append additional sheets, if necessary):

Surface -- date (s) _____

Site map (submit with form*)

Collection

Subsurface -- date(s) October 2, 2019

Testing: shovel coring other Backhoe unit size 10 x 10
no. units N/A (Submit plan of units with form*)

Excavation: unit size _____ no. of units _____
(Submit plan of units with form*)

* Submission should be 8 1/2" by 11", if feasible

Investigator Dirk Marcucci, RPA

Manuscript or published report (s) (reference fully):

Marcucci, Derrick J.

2019 Letter Report, *Phase IA Archaeological Assessment and Archaeological Monitoring at Old Valley Mill Site, Valley Falls, Research Summary Old Thompson Mill Site Project, Village of Valley Falls, Rensselaer County, New York*
Prepared for Weston & Sampson, Albany, New York 12205

Present repository of materials: Temporarily curated at Landmark Archaeology, Inc., Altamont, NY

6. Site inventory:
 - a. Date constructed or occupation period: early 20th century kitchen debris dump
 - b. Previous owners, if known
 - c. Modifications, if known
(append additional sheets, if necessary)

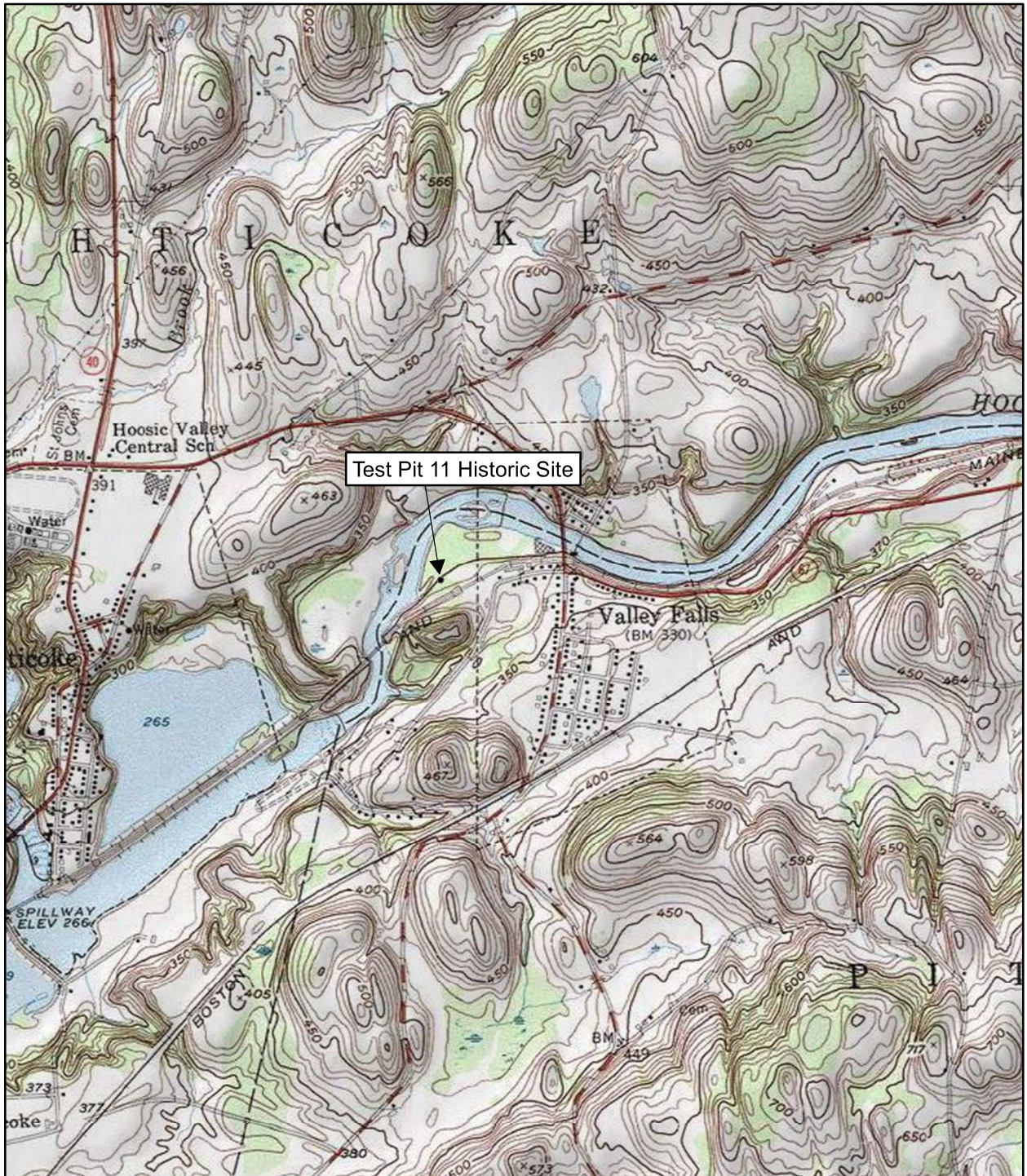
7. Site documentation (append additional sheets, if necessary):
 - a. Historic map references
 - 1) Name: _____
Date: ___ Source: _____
Present location of original, if known _____
 - b. Representation in existing photography
 - 1) Photo date _____ Where located _____
 - 2) Photo date _____ Where located _____
 - c. Primary and secondary source of documentation (reference fully)
 - d. Persons with memory of site
 - 1) Name _____ Address _____
 - 2) Name _____ Address _____

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material):
If prehistoric materials are evident, check here and fill out prehistoric site form. ___

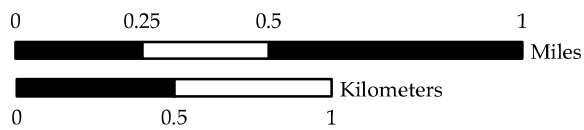
9. Map References: Map or maps showing exact location and extent of site must accompany this form and be identified by source and date. Keep this submission to 8½" x 11", if possible.

USGS 71/2 Minute Series Quad. Name: Schaghticoke, NY 2013
For Office Use Only--UTM Coordinates: 616865 East
4751063 North

10. Photography (optional for environmental impact survey): Please submit a 5"x7" black and white print(s) showing the current state of the site. Provide a label for the print(s) on a separate sheet.
Photos of site are in technical report



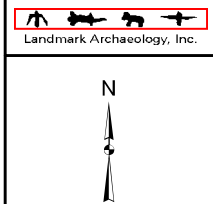
Source: USGS 7.5' Series Topographic Schaghticoke, NY Quadrangle (2013)
 Projection: NAD 1983 UTM Zone 18N



Rensselaer County, NY



Project Location



November 15, 2019

Test Pit 11 Historic Site Locator Map



NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM
NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

For Office Use Only--Site Identifier

Project Identifier

Your Name Sam Marcucci Date 11/11/19
Address Landmark Archaeology, Inc. Phone (518) 861-8283
6242 Hawes Rd. Altamont, NY 12009

Organization (if any) : Landmark Archaeology, Inc.

1. SITE IDENTIFIER(S): Old Thompson Mill Historic Archaeological Site

2. COUNTY Rensselaer One of the following: CITY:
TOWNSHIP:
INCORPORATED VILLAGE
UNINCORPORATED VILLAGE OR
HAMLET: Valley Falls, NY

3. PRESENT OWNER:
Village of Valley Falls

4. SITE DESCRIPTION (check all appropriate categories):

Superstructure: complete partial collapsed not evident
Foundation: above below (ground level) not evident
 Structural subdivisions apparent Only surface traces visible
 Buried traces detected
List construction materials (be as specific as possible): Brick and concrete

Grounds

Under Sustaining erosion Woodland Upland
 Never cultivated Previously cultivated Floodplain Pastureland
Soil Drainage: excellent good fair poor
Distance to nearest water from structure (approx.) 50 meters
Elevation: 280 feet amsl

5. Site Investigation (append additional sheets, if necessary):

Surface -- date (s) _____

Site map (submit with form*)

Collection

Subsurface -- date(s) October 2, 2019

Testing: shovel coring other 2 Backhoe unit size 10 x 10
no. units N/A (Submit plan of units with form*)

Excavation: unit size _____ no. of units _____
(Submit plan of units with form*)

* Submission should be 8 1/2" by 11", if feasible

Investigator Dirk Marcucci, RPA

Manuscript or published report (s) (reference fully):

Marcucci, Derrick J.

2019 Letter Report, *Phase IA Archaeological Assessment and Archaeological Monitoring at Old Valley Mill Site, Valley Falls, Research Summary Old Thompson Mill Site Project, Village of Valley Falls, Rensselaer County, New York*

Prepared for Weston & Sampson, Albany, New York 12205

Present repository of materials: Temporarily curated at Landmark Archaeology, Inc., Altamont, NY

6. Site inventory:

a. Date constructed or occupation period: early 20th century kitchen debris dump

b. Previous owners, if known

c. Modifications, if known

(append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):

a. Historic map references

1) Name:

Date: ___ Source:

Present location of original, if known

b. Representation in existing photography

1) Photo date _____ Where located

2) Photo date _____ Where located

c. Primary and secondary source of documentation (reference fully)

d. Persons with memory of site

1) Name _____ Address

2) Name _____ Address

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material):

If prehistoric materials are evident, check here and fill out prehistoric site form. ___

9. Map References: Map or maps showing exact location and extent of site must accompany this form and be identified by source and date. Keep this submission to 8½" x 11", if possible.

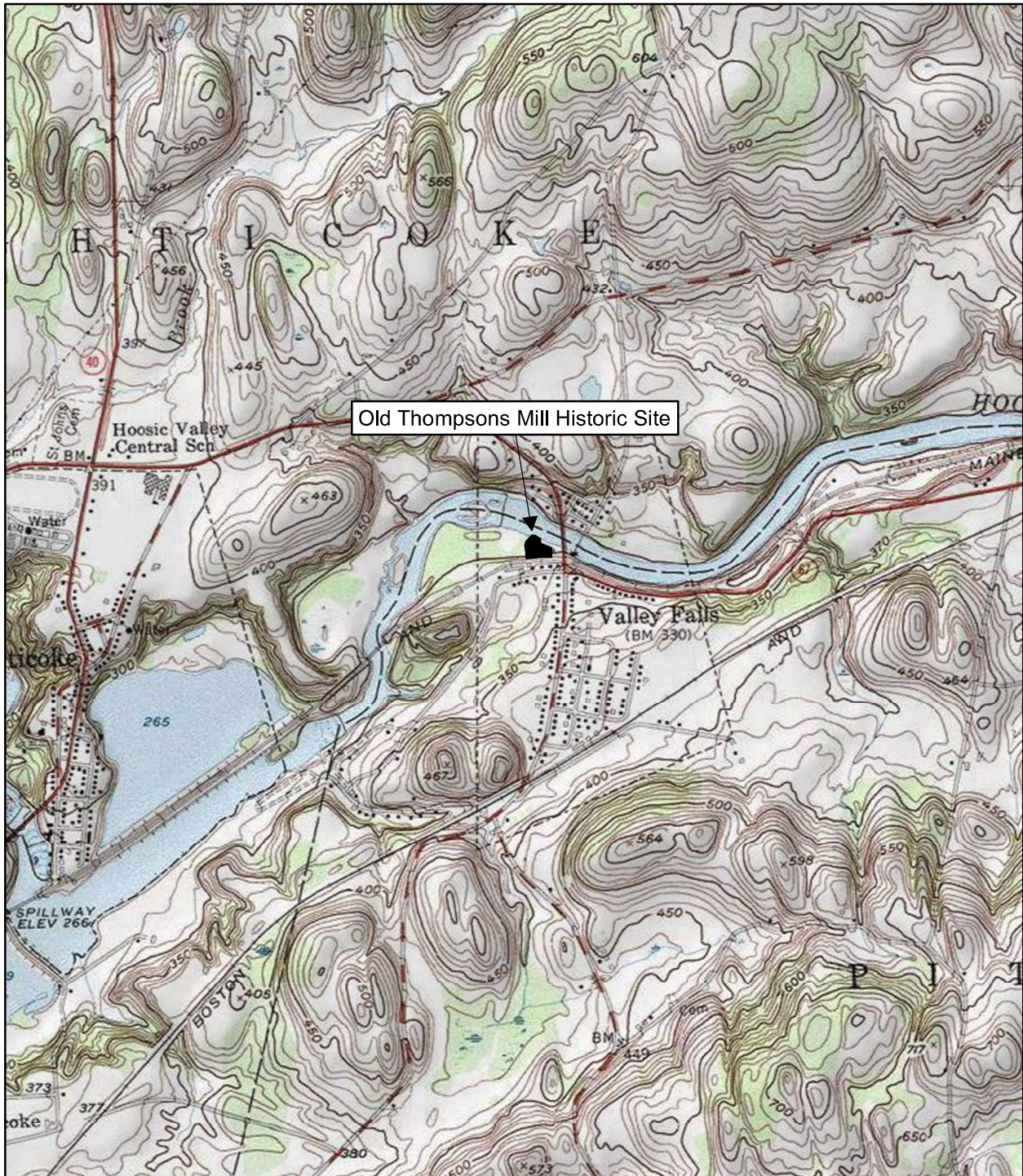
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For Office Use Only--UTM Coordinates: 617246 East

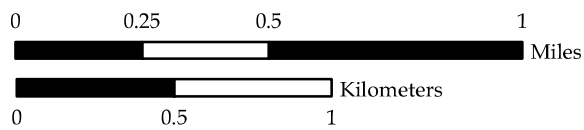
4751190 North

10. Photography (optional for environmental impact survey): Please submit a 5"x7" black and white print(s) showing the current state of the site. Provide a label for the print(s) on a separate sheet.

Photos of site are in technical report



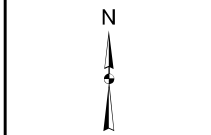
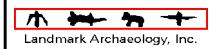
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 Projection: NAD 1983 UTM Zone 18N



Rensselaer County, NY



Project Location



November 15, 2019

Old Thompsons Mill Historic Site Locator Map

APPENDIX B

Photo Log



1.) Test Pit 1: Excavation to concrete slab. Excavator was able to punch through to chamber below.



2.) Test Pit 1: Looking South away from river. Depth of chamber approx. 1 foot.



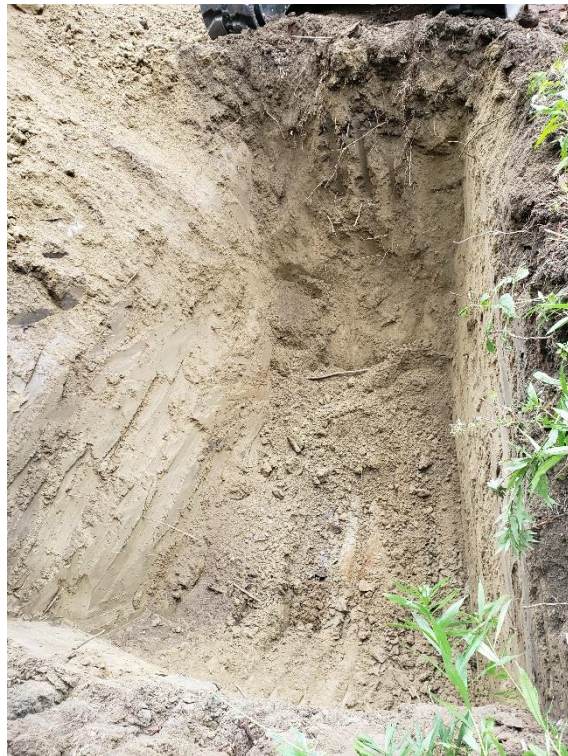
3.) Test Pit 1: Looking North towards river. Depth of chamber approx. 1 foot.



4.) Test Pit 2: Looking North towards river. Concrete slab located approx. 1 foot below top of rubble. Excavation ended here.



5.) Test Pit 3: Soil strata looking West.



6.) Test Pit 3: Looking North towards river. Depth of Test Pit 10'.



- 7.) **Test Pit 4:** Looking South towards railway. Groundwater evident in bottom of pit, at approximately 9.5 ft bgs. Sample collected just above groundwater elevation. Buried concrete structure object at bottom of photo, approximately 2 ft bgs.



- 8.) **Test Pit 5:** Looking Northwest. Encountered groundwater at 9-10 feet bgs. Sample collected just above groundwater elevation.



- 9.) **Test Pit 6:** Looking West. First 3' ± appeared to be fill material, containing bottles and metal debris. Soil screened and no historical artifacts identified.



- 10.) **Test Pit 7:** Looking North towards wastewater treatment plant. Test pit appears to be fill material.



11.) Test Pit 9: Wall of test pit looking South. Grey coloring is a moist, sticky clay



12.) Test Pit 9: Wall of test pit looking East.



13.) Test Pit 10: Wall of test pit looking South. Bottom center of photo shows concrete block encountered.



14.) Test Pit 10: Wall of test pit looking East.



15.) Test Pit 11: Test pit looking South. First few feet appear to be ash fill.



16.) Test Pit 11: Wall of test pit looking East.



17.) Test Pit 12: Test pit looking West.



18.) Test Pit 12: Wall of test pit looking West.

APPENDIX C
Test Pit Logs


TEST PIT LOG


PROJECT NAME/NO.	Former Thompsons Mill / N2180042	TEST PIT NUMBER
LOCATION	273 Poplar Street, Valley Falls, NY	TP-1
CLIENT	Village of Valley Falls	GROUND SURFACE
CONTRACTOR	Aztech Technologies FOREMAN: _____	ELEVATION <u>Not Surveyed</u>
OBSERVED BY	Emily Garbenis DATE <u>10/4/19</u>	DEPTH TO GROUNDWATER
CHECKED BY	Cailyn Locci DATE <u>11/26/2019</u>	<u>None encountered</u>

DEPTH BELOW GROUND SURFACE (ft.)	SOIL DESCRIPTION	STRATUM DESCRIPTION
Surface		
1	0-5' bgs: brick/metal/wood debris	Rubble
2		
3		
4		
5		
6	Concrete bottom of test pit at 5 ft. bgs. Underground chamber - empty - damp	Air
7		
8		
9		
10		

X TP-1 (0-2')

X TP-1 (4-5')

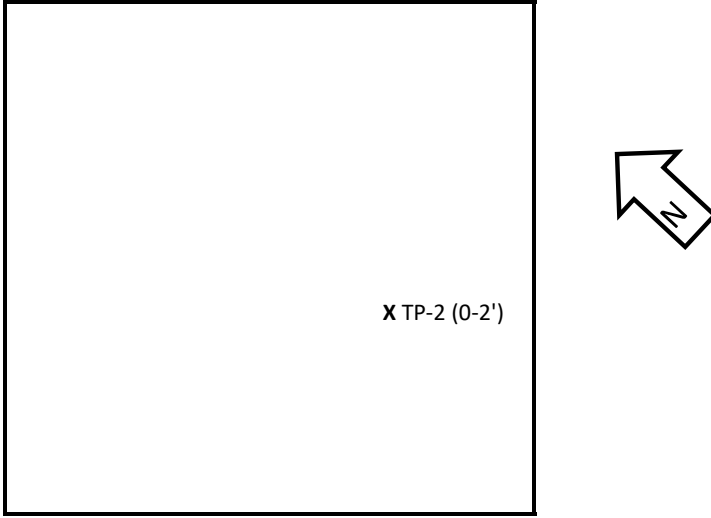


NOTES: <i>Bobcat E50 excavator</i> <i>No caving noted. Area appears to be rubble left from building which previously burned down.</i>	TEST PIT NUMBER TP-1 
---	---


TEST PIT LOG

PROJECT NAME/NO.	Former Thompsons Mill / N2180042	TEST PIT NUMBER
LOCATION	273 Poplar Street, Valley Falls, NY	TP-2
CLIENT	Village of Valley Falls	GROUND SURFACE
CONTRACTOR	Aztech Technologies FOREMAN: _____	ELEVATION <u>Not Surveyed</u>
OBSERVED BY	Emily Garbenis DATE 10/4/19	DEPTH TO GROUNDWATER
CHECKED BY	Cailyn Locci DATE 11/26/2019	<u>None encountered</u>

DEPTH BELOW GROUND SURFACE (ft.)	SOIL DESCRIPTION	STRATUM DESCRIPTION
Surface		
1	0-1 ft bgs: Wood/brick/metal debris	Rubble
2	Bottom of test pit 1 ft bgs. Concrete slab encountered.	
3		
4		
5		
6		
7		
8		
9		
10		



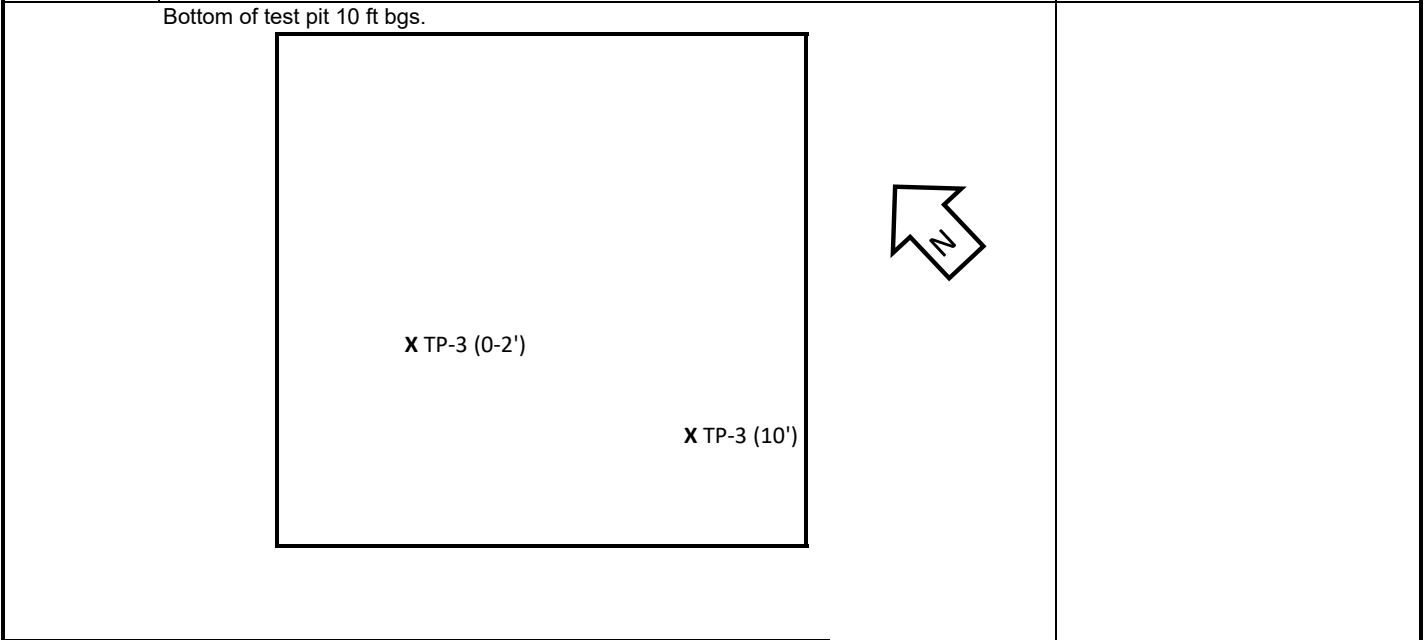
X TP-2 (0-2')

NOTES: <i>Bobcat E50 excavator</i> <i>No caving noted. Area appears to be rubble left from building which previously burned down.</i>	TEST PIT NUMBER TP-2 
---	---

TEST PIT LOG

PROJECT NAME/NO.	Former Thompsons Mill / N2180042	TEST PIT NUMBER
LOCATION	273 Poplar Street, Valley Falls, NY	TP-3
CLIENT	Village of Valley Falls	GROUND SURFACE
CONTRACTOR	Aztech Technologies FOREMAN: _____	ELEVATION <u>Not Surveyed</u>
OBSERVED BY	Emily Garbenis DATE <u>10/3/19</u>	DEPTH TO GROUNDWATER
CHECKED BY	Cailyn Locci DATE <u>11/26/2019</u>	<u>None encountered</u>

DEPTH BELOW GROUND SURFACE (ft.)	SOIL DESCRIPTION	STRATUM DESCRIPTION
Surface		
1	0-1 ft bgs: Sandy fill	Fill
2	1-10 ft bgs: Silty sand	Sand
3		
4		
5		
6		
7		
8		
9		
10		

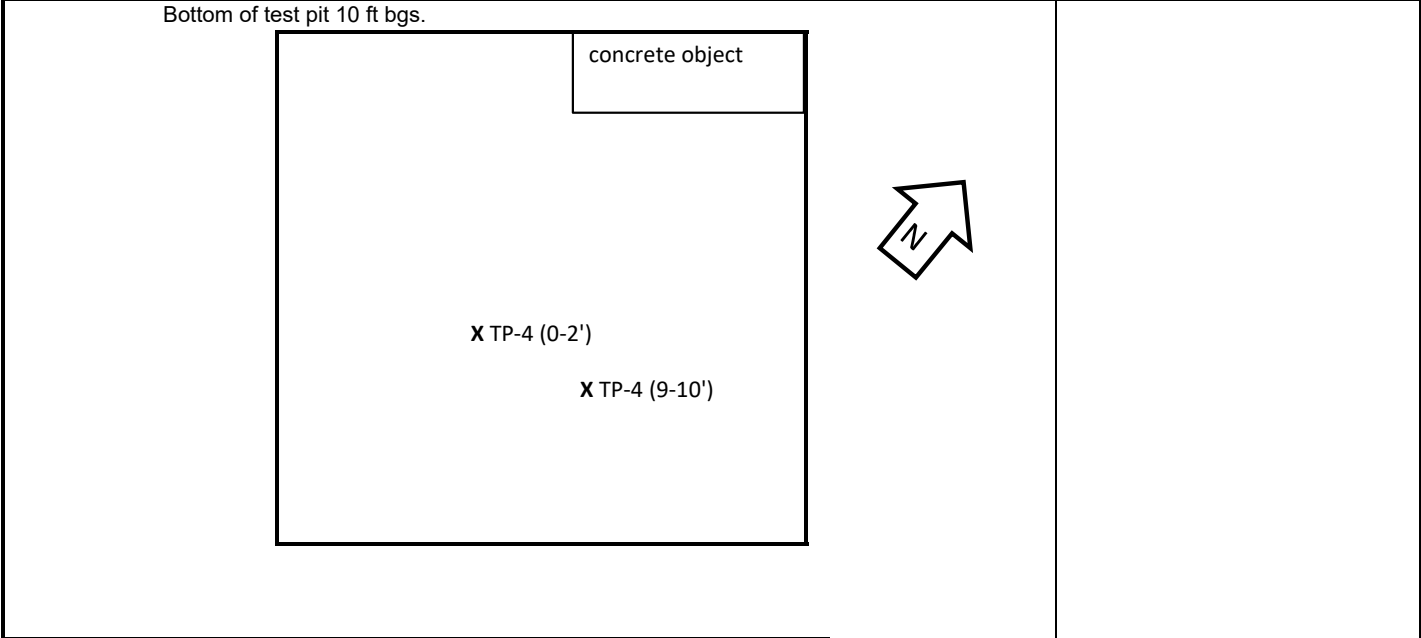


NOTES: <i>Bobcat E50 excavator</i> <i>No caving or evidence of groundwater encountered.</i>	TEST PIT NUMBER TP-3
	

TEST PIT LOG

PROJECT NAME/NO.	Former Thompsons Mill / N2180042	TEST PIT NUMBER TP-4	
LOCATION	273 Poplar Street, Valley Falls, NY		
CLIENT	Village of Valley Falls	GROUND SURFACE	
CONTRACTOR	Aztech Technologies	FOREMAN:	
OBSERVED BY	Emily Garbenis	DATE	10/3/19
CHECKED BY	Cailyn Locci	DATE	11/26/2019
		ELEVATION	Not Surveyed
		DEPTH TO GROUNDWATER	9.5 ft

DEPTH BELOW GROUND SURFACE (ft.)	SOIL DESCRIPTION	STRATUM DESCRIPTION
Surface		
1	0-1 ft. bgs: Historic rubble - silty sand	Fill
2		
3		
4		
5	4-6 ft bgs: Glacial Till	Till
6		
7	6-8 ft bgs: Clay Silt	Clay/Silt
8		
9		
10	8-10 ft bgs: Grey Clay	

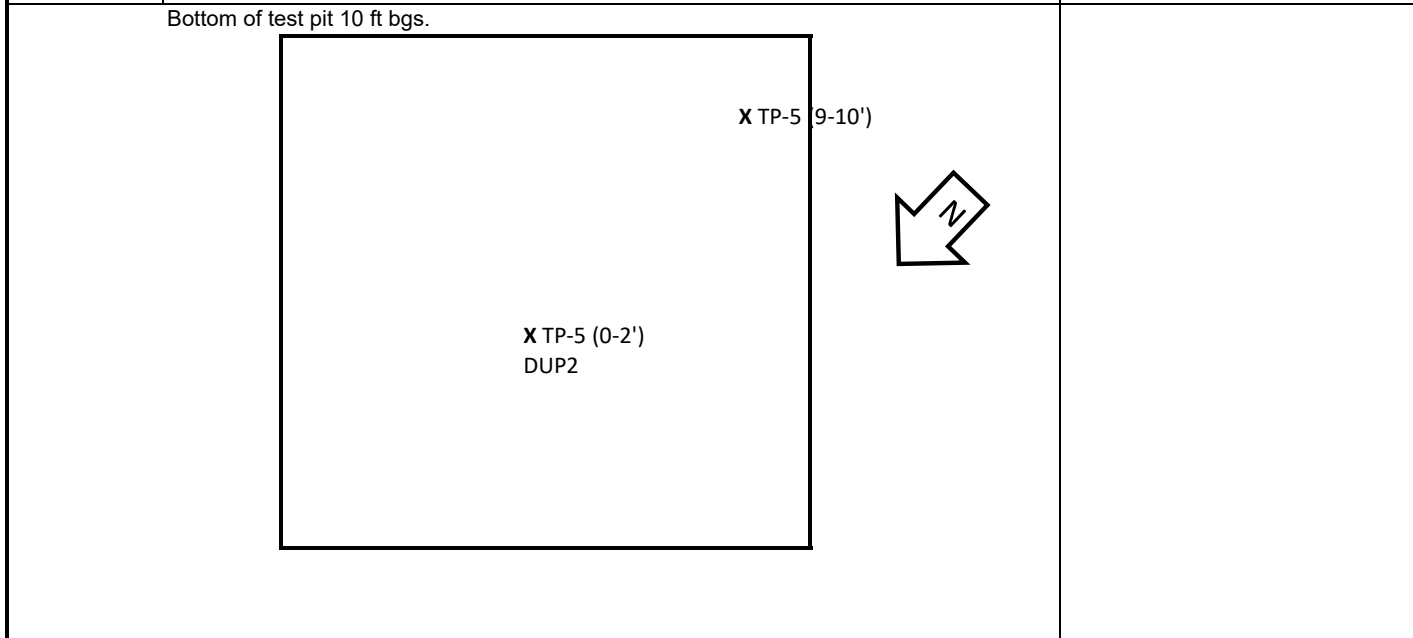


NOTES: <i>Bobcat E50 excavator</i> <i>Moderate caving below 8 ft bgs.</i> <i>Groundwater encountered at 9-10 ft bgs.</i>	TEST PIT NUMBER TP-4

TEST PIT LOG

PROJECT NAME/NO.	Former Thompsons Mill / N2180042	TEST PIT NUMBER
LOCATION	273 Poplar Street, Valley Falls, NY	TP-5
CLIENT	Village of Valley Falls	GROUND SURFACE
CONTRACTOR	Aztech Technologies FOREMAN: _____	ELEVATION
OBSERVED BY	Emily Garbenis DATE 10/3/19	Not Surveyed
CHECKED BY	Cailyn Locci DATE 11/26/2019	DEPTH TO GROUNDWATER
		10 ft bgs

DEPTH BELOW GROUND SURFACE (ft.)	SOIL DESCRIPTION	STRATUM DESCRIPTION
Surface		
1	0-9 ft bgs: Silty Sand with some clay	Sand
2		
3		
4		
5		
6		
7		
8		
9		
10	9-10 ft bgs: Silty sand with gravel	Gravel

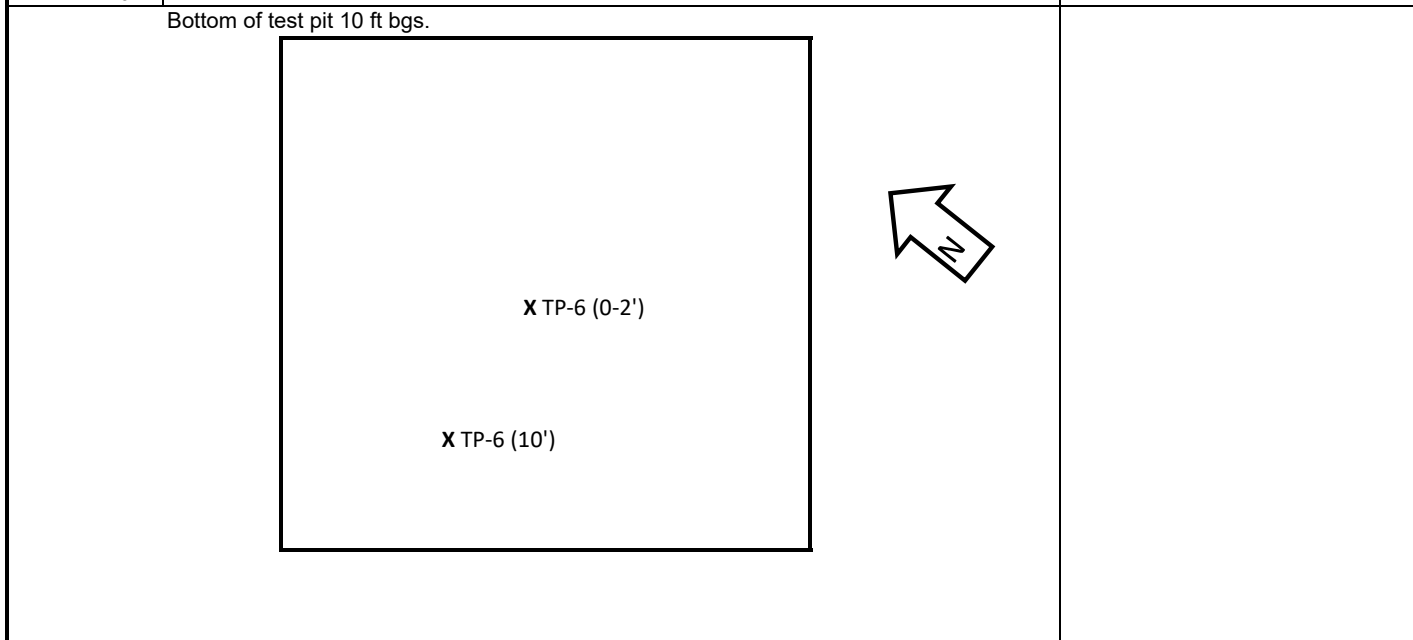


NOTES: <i>Bobcat E50 excavator</i> <i>No caving observed.</i> <i>Groundwater encountered at 10 ft bgs.</i>	TEST PIT NUMBER TP-5
	

TEST PIT LOG

PROJECT NAME/NO.	Former Thompsons Mill / N2180042	TEST PIT NUMBER
LOCATION	273 Poplar Street, Valley Falls, NY	TP-6
CLIENT	Village of Valley Falls	GROUND SURFACE
CONTRACTOR	Aztech Technologies FOREMAN: _____	ELEVATION <u>Not Surveyed</u>
OBSERVED BY	Emily Garbenis DATE <u>10/3/19</u>	DEPTH TO GROUNDWATER
CHECKED BY	Cailyn Locci DATE <u>11/26/2019</u>	<u>None encountered</u>

DEPTH BELOW GROUND SURFACE (ft.)	SOIL DESCRIPTION	STRATUM DESCRIPTION
Surface		
1	0-3 ft bgs: Historic Fill Sandy Loam	Fill
2		
3		
4	3-6 ft bgs: A. Loamy Sand	Sand
5		
6		
7	6-10 ft bgs: Sandy Silt	
8		
9		
10		

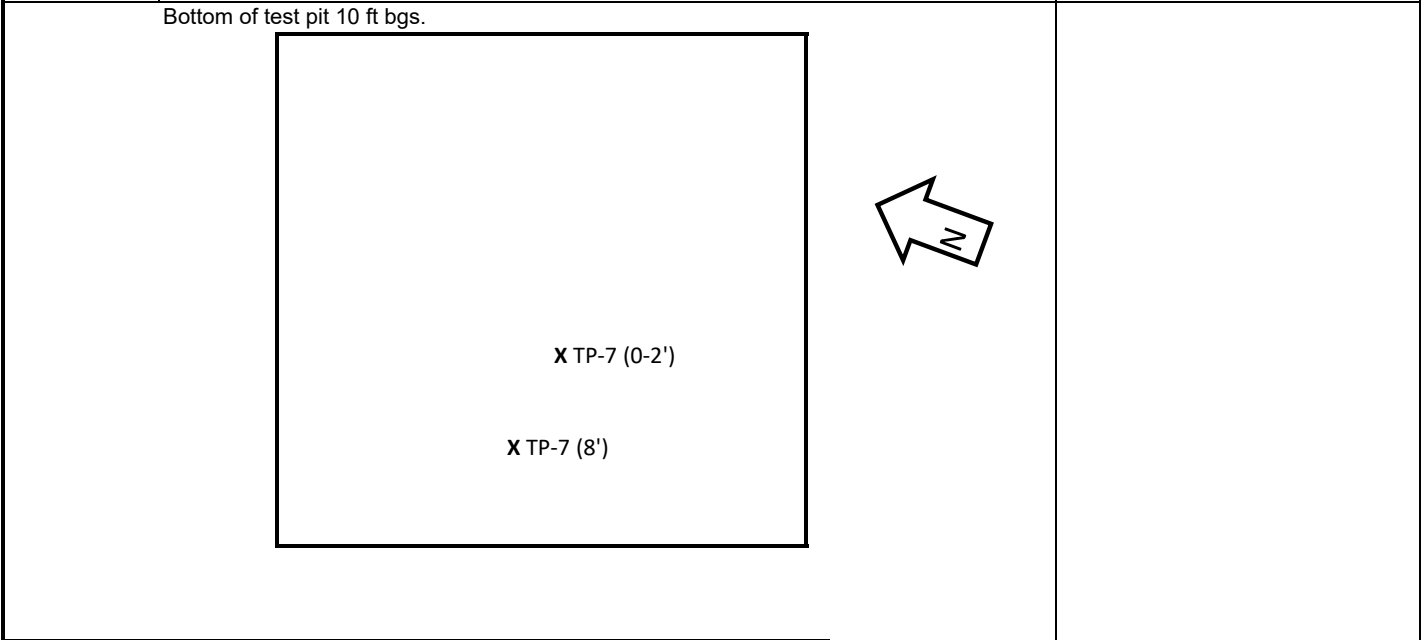


NOTES: <i>Bobcat E50 excavator</i> <i>No caving observed.</i> <i>No groundwater observed.</i>	TEST PIT NUMBER TP-6 
--	---

TEST PIT LOG

PROJECT NAME/NO.	Former Thompsons Mill / N2180042	TEST PIT NUMBER TP-7
LOCATION	273 Poplar Street, Valley Falls, NY	
CLIENT	Village of Valley Falls	GROUND SURFACE ELEVATION <u>Not Surveyed</u> DEPTH TO GROUNDWATER <u>None encountered</u>
CONTRACTOR	Aztech Technologies FOREMAN: _____	
OBSERVED BY	Emily Garbenis DATE <u>10/2/19</u>	
CHECKED BY	Cailyn Locci DATE <u>11/26/2019</u>	

DEPTH BELOW GROUND SURFACE (ft.)	SOIL DESCRIPTION	STRATUM DESCRIPTION
Surface		
1	0-6.5 ft bgs: Silty Fill	Fill
2		
3		
4		
5		
6		
7	6.5-10 ft bgs: Clay Sand Fill	
8		
9		
10		

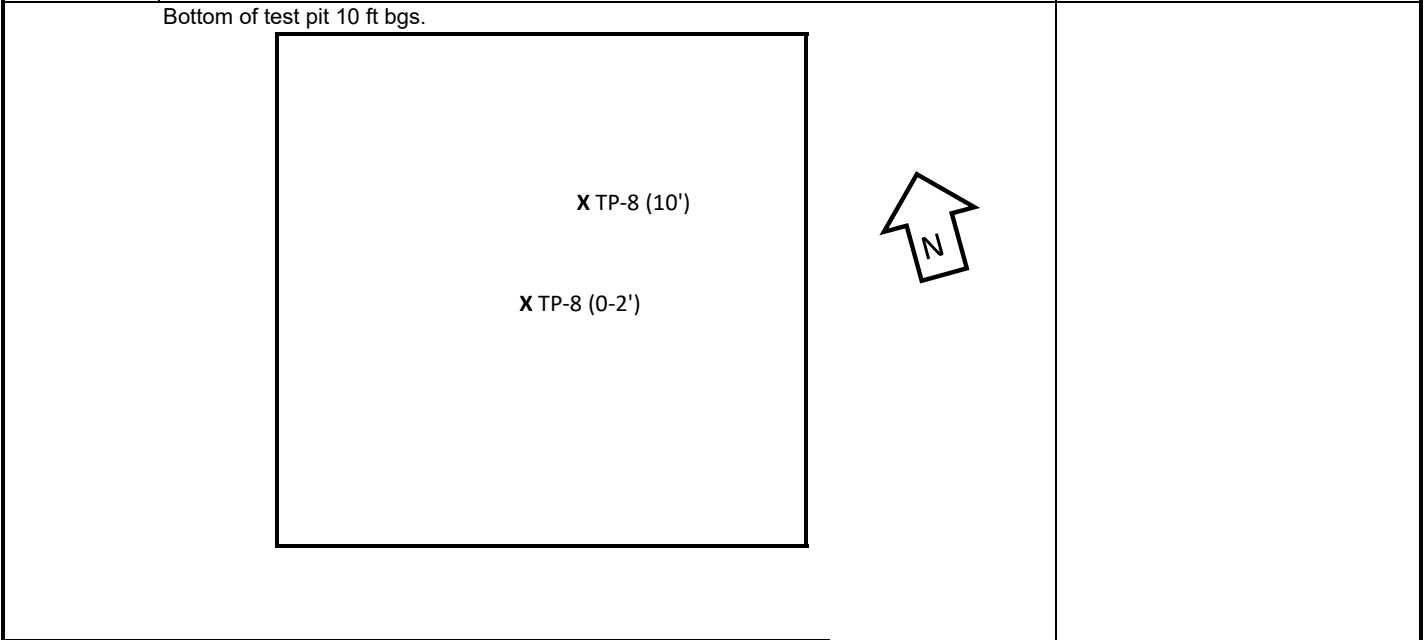



NOTES: <i>Bobcat E50 excavator</i> <i>No caving observed.</i> <i>No groundwater observed.</i>	TEST PIT NUMBER TP-7

TEST PIT LOG

PROJECT NAME/NO.	Former Thompsons Mill / N2180042	TEST PIT NUMBER
LOCATION	273 Poplar Street, Valley Falls, NY	TP-8
CLIENT	Village of Valley Falls	GROUND SURFACE
CONTRACTOR	Aztech Technologies FOREMAN: _____	ELEVATION <u>Not Surveyed</u>
OBSERVED BY	Emily Garbenis DATE <u>10/2/19</u>	DEPTH TO GROUNDWATER
CHECKED BY	Cailyn Locci DATE <u>11/26/2019</u>	<u>None encountered</u>

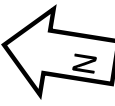
DEPTH BELOW GROUND SURFACE (ft.)	SOIL DESCRIPTION	STRATUM DESCRIPTION
Surface		
1	0-5 ft bgs: Sandy Silt	Sand
2		
3		
4		
5		
6	5-7.5 ft bgs: Sandy clay loam	
7		
8		
9	7.5-10 ft bgs: Sandy gravel	Gravel
10		



NOTES: <i>Bobcat E50 excavator</i> <i>No caving observed.</i> <i>No groundwater observed.</i>	TEST PIT NUMBER TP-8 
--	---

TEST PIT LOG

PROJECT NAME/NO.	Former Thompsons Mill / N2180042	TEST PIT NUMBER
LOCATION	273 Poplar Street, Valley Falls, NY	TP-9
CLIENT	Village of Valley Falls	GROUND SURFACE
CONTRACTOR	Aztech Technologies FOREMAN: _____	ELEVATION <u>Not Surveyed</u>
OBSERVED BY	Emily Garbenis DATE <u>10/3/19</u>	DEPTH TO GROUNDWATER
CHECKED BY	Cailyn Locci DATE <u>11/26/2019</u>	<u>None encountered</u>

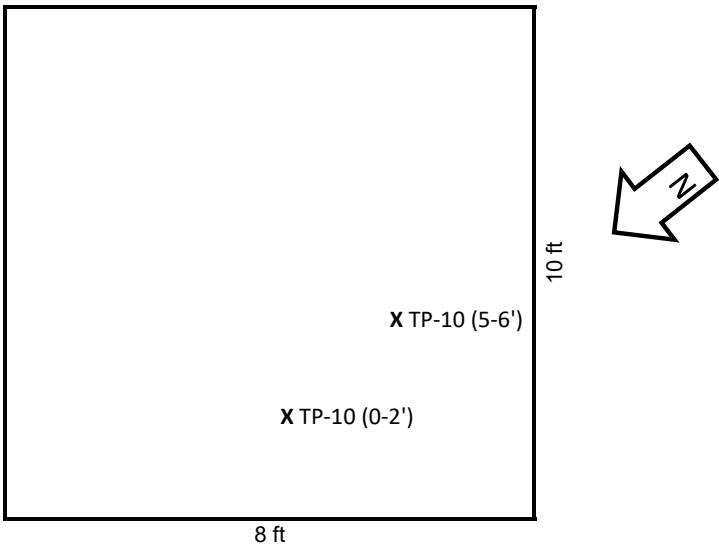
DEPTH BELOW GROUND SURFACE (ft.)	SOIL DESCRIPTION	STRATUM DESCRIPTION
Surface		
1	0-9 ft bgs: Silty sand with cobbles	Sand
2		
3		
4		
5		
6		
7		
8		
9		
10	9-10 ft bgs: Grey clay	Clay
Bottom of test pit 10 ft bgs.		
<div style="border: 1px solid black; width: 30%; margin: 0 auto; padding: 10px;"> <p style="text-align: center;">X TP-9 (0-2')</p> <p style="text-align: right;">X TP-9 (10') DUP 1</p> </div> <div style="text-align: right; margin-top: 20px;">  </div>		

NOTES: <i>Bobcat E50 excavator</i> <i>Minor caving below 3 ft bgs.</i> <i>No groundwater observed.</i>	TEST PIT NUMBER TP-9 
---	---

TEST PIT LOG

PROJECT NAME/NO.	Former Thompsons Mill / N2180042	TEST PIT NUMBER TP-10
LOCATION	273 Poplar Street, Valley Falls, NY	
CLIENT	Village of Valley Falls	GROUND SURFACE
CONTRACTOR	Aztech Technologies FOREMAN:	ELEVATION
OBSERVED BY	Emily Garbenis DATE 10/2/19	DEPTH TO GROUNDWATER
CHECKED BY	Cailyn Locci DATE 11/26/2019	None encountered

DEPTH BELOW GROUND SURFACE (ft.)	SOIL DESCRIPTION	STRATUM DESCRIPTION
Surface		
1	0-2 ft bgs: Sandy Fill	Fill
2		
3	2-3 ft bgs: Sandy gravel fill	
4		
5	3-6 ft bgs: Sandy with grey clay	Sand
6		
7		
8		
9	Bottom of test pit 6 ft bgs.	
10		



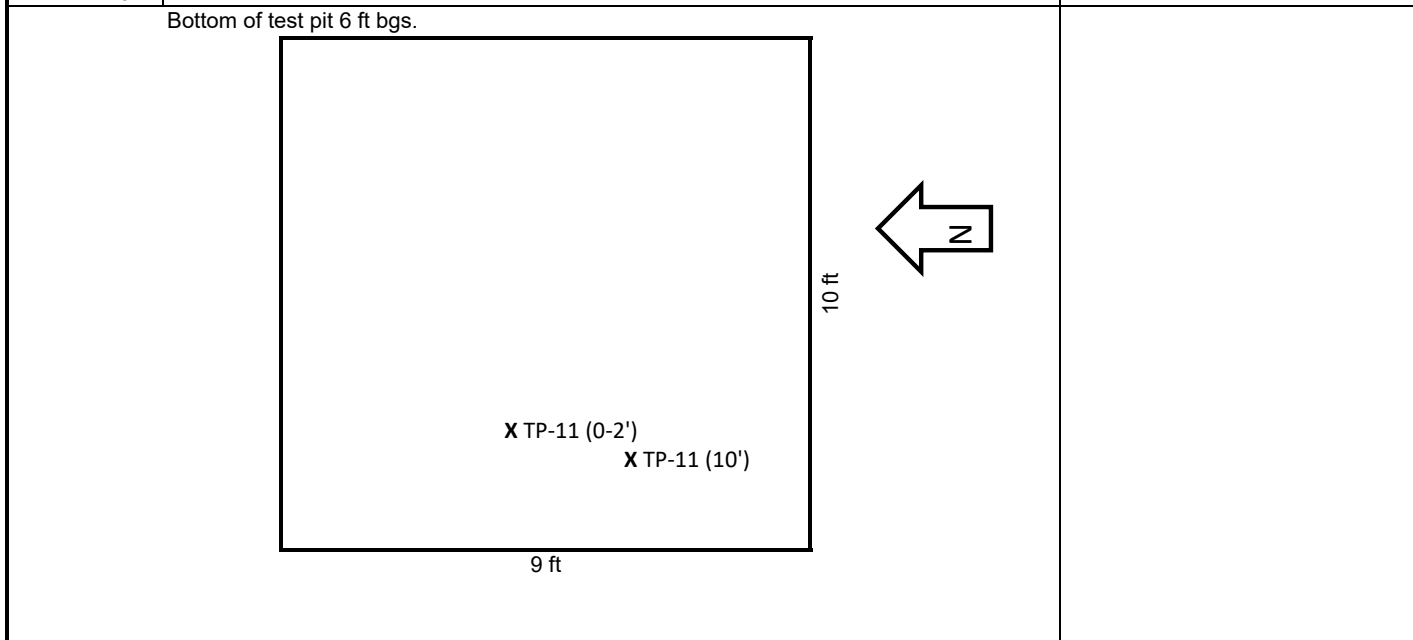
NOTES: *Bobcat E50 excavator*
Minor caving below 3 ft bgs.
No groundwater observed.

TEST PIT NUMBER
TP-10

TEST PIT LOG

PROJECT NAME/NO.	Former Thompsons Mill / N2180042	TEST PIT NUMBER
LOCATION	273 Poplar Street, Valley Falls, NY	TP-11
CLIENT	Village of Valley Falls	GROUND SURFACE
CONTRACTOR	Aztech Technologies FOREMAN:	ELEVATION <u>Not Surveyed</u>
OBSERVED BY	Emily Garbenis DATE <u>10/2/19</u>	DEPTH TO GROUNDWATER
CHECKED BY	Cailyn Locci DATE <u>11/26/2019</u>	<u>None encountered</u>

DEPTH BELOW GROUND SURFACE (ft.)	SOIL DESCRIPTION	STRATUM DESCRIPTION
Surface		
1	0-1.5 ft bgs: Ash Fill	Fill
2	1.5-5 ft bgs: Silty sand	
3		
4		Sand
5		
6	5-7.5 ft bgs: Cobbles, Till	
7		Till
8	7.5-10 ft bgs: Grey clay and sand	
9		Clay
10		

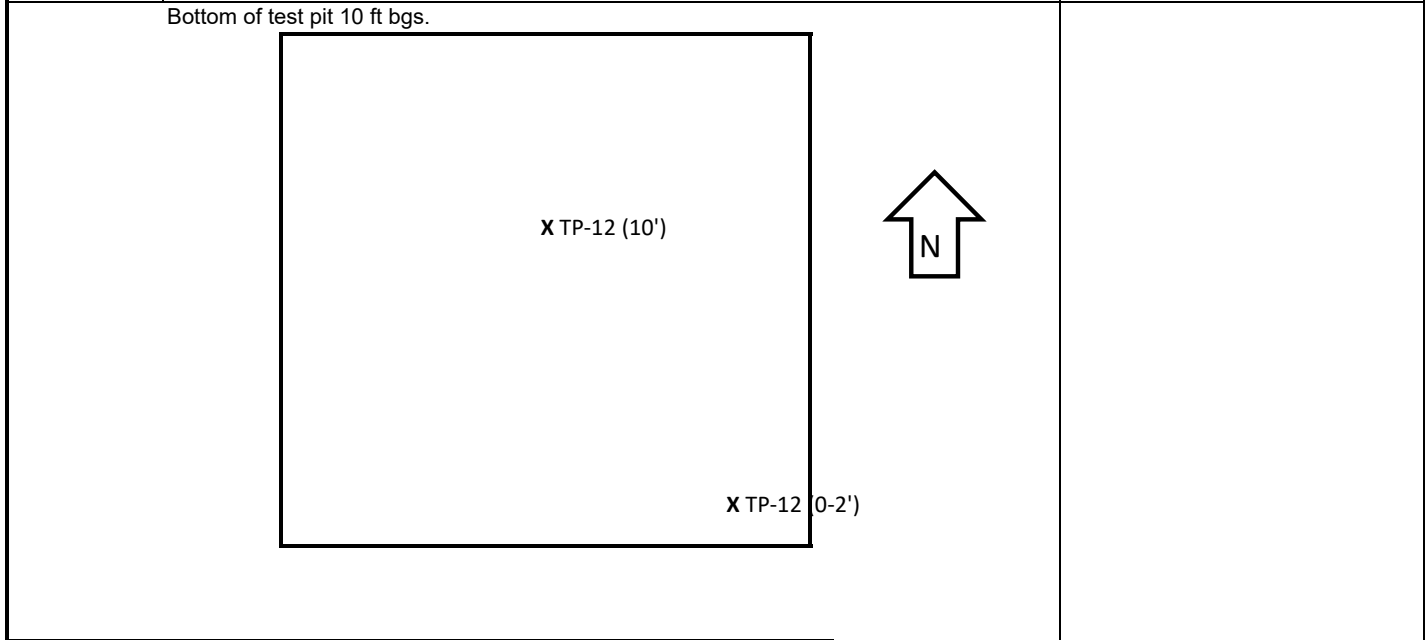



NOTES: <i>Bobcat E50 excavator</i> <i>Minor caving below 6 ft bgs.</i> <i>No groundwater observed.</i>	TEST PIT NUMBER TP-11
---	-------------------------------------

TEST PIT LOG

PROJECT NAME/NO.	Former Thompsons Mill / N2180042	TEST PIT NUMBER
LOCATION	273 Poplar Street, Valley Falls, NY	TP-12
CLIENT	Village of Valley Falls	GROUND SURFACE
CONTRACTOR	Aztech Technologies	FOREMAN:
OBSERVED BY	Emily Garbenis	ELEVATION
CHECKED BY	Cailyn Locci	DATE
		10/2/19
		11/26/2019
		DEPTH TO GROUNDWATER
		None encountered

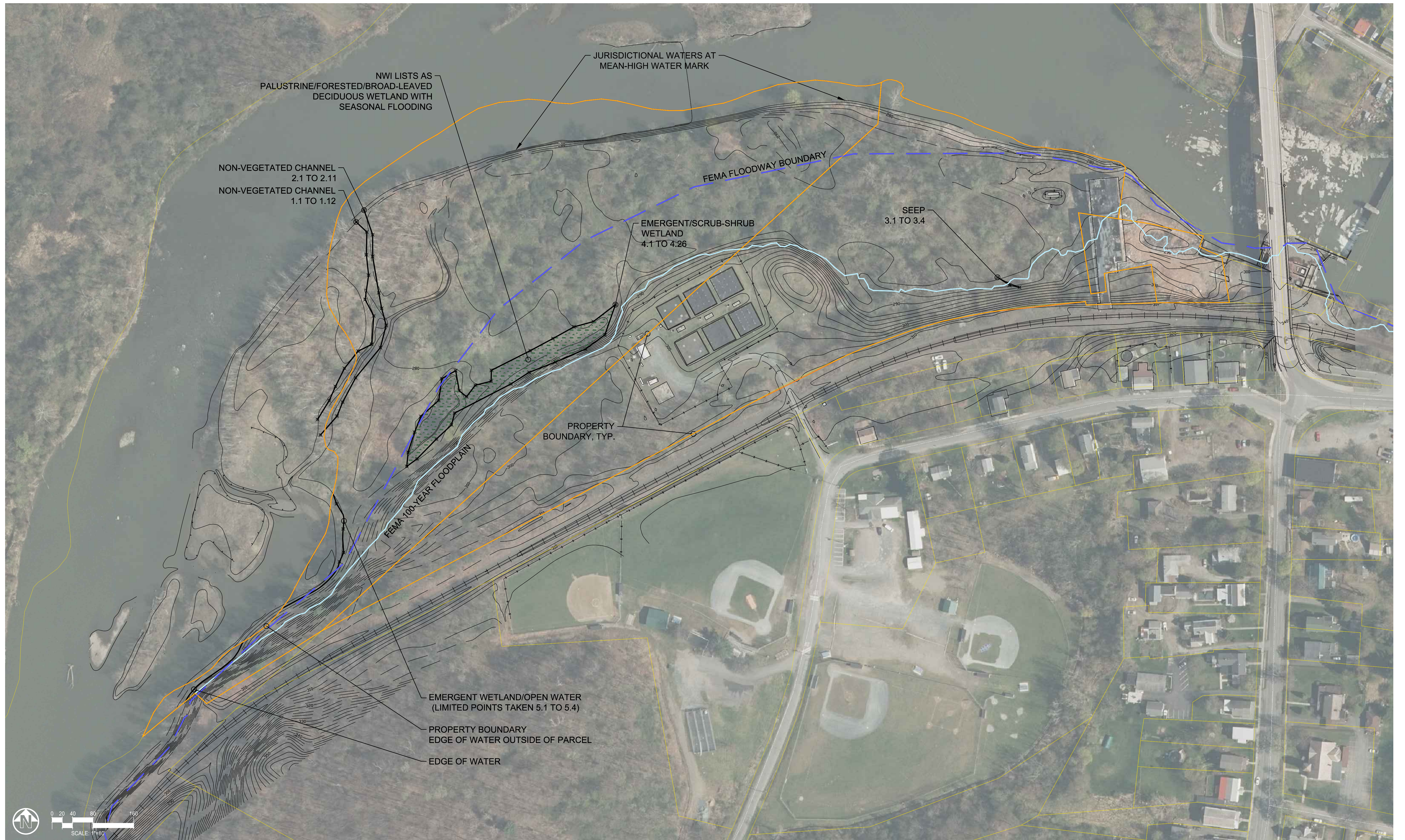
DEPTH BELOW GROUND SURFACE (ft.)	SOIL DESCRIPTION	STRATUM DESCRIPTION
Surface		
1	0-7 feet bgs: Silty sand	Sand
2		
3		
4		
5		
6		
7		
8	7-10 feet bgs: Glacial till	Gravel
9		
10		



<p>NOTES: <i>Bobcat E50 excavator</i> <i>No caving observed.</i> <i>No groundwater observed.</i></p>	<p>TEST PIT NUMBER TP-12</p> 
---	---

APPENDIX D
Wetland Delineation – April 11, 2019

Prepared by: NICHOLAS RACHILLE
Site Date: 04/09/2019 11:52 AM
File Name: \\s001\sc001\GIS\Projects\OldThompsonMill\BrownfieldAssessment\Chart\OldThompsonMill\190419.dwg



APPENDIX E
Ambient Environmental Hazardous Materials Survey Report



Ambient Environmental, Inc.

Building Science and EHS Solutions

NYS Certified WBE,
SBA EDWOSB & DBE

December 4, 2019

Mr. Craig Miner
Weston & Sampson
1 Winners Circle Ste 130
Albany, NY 12205
Ph. 978-854-3923
miner@wseinc.com


RE: Hazardous Materials Survey Report
Pre- Demolition
Asbestos, Lead-Based Paint and Polychlorinated Biphenyls (PCB)
Thompson Mill Site
Valley Falls, NY
Ambient Project Number: 190920AD


Dear Mr. Miner:

Ambient Environmental, Inc. is pleased to submit the attached Hazardous Materials Survey Report for asbestos, lead-based paint and polychlorinated biphenyls (PCB) at the above-referenced site. This report includes the procedures and methodologies followed, analytical laboratory results, and applicable conclusions and recommendations.

Ambient appreciates the opportunity to serve Weston & Sampson and we look forward to working with you in the future. In the meantime, if you have questions or comments regarding the information in this report or if we can be of further assistance please do not hesitate to contact us.

Sincerely,
Ambient Environmental, Inc.


C.D. Welford
Operations Lead


Bradley Fuller
Inspection Lead / Asbestos Inspector
Asbestos License # 17-34558

Enclosure



Ambient Environmental, Inc.

Building Science and EHS Solutions

NYS Certified WBE,
SBA EDWOSB & DBE

HAZARDOUS MATERIALS SURVEY

Pre-Demolition

Asbestos, Lead-Based Paint and PCB Caulk

*Thompson Mill Site
Valley Falls, NY*

Survey Date: October 2, 2019

Prepared for:

Mr. Craig Miner
Weston & Sampson
1 Winners Circle Ste 130
Albany, NY 12205

Prepared by:

Ambient Environmental, Inc.
828 Washington Ave.
Albany, New York 12203

Ambient Project No. 190920AD

TABLE OF CONTENTS

1.0 PURPOSE AND SCOPE OF SERVICES1

2.0 EXECUTIVE SUMMARY.....1

3.0 ASBESTOS-CONTAINING MATERIALS SURVEY.....2

 3.1 Sampling Protocol2

 3.1.1 Homogeneous Areas2

 3.1.2 Hazard Assessment Factors2

 3.1.3 Sampling Strategy3

 3.1.4 Laboratory Analytical Results3

 3.2 Asbestos Containing Material Results4

4.0 LEAD-BASED PAINT SURVEY.....5

 4.1 Sampling Protocol6

 4.1.1 Methodology6

 4.1.2 Strategy.....7

 4.2 Lead-Based Paint Results7

 4.3 Recommendations8

5.0 POLYCHLORINATED BIPHENYL (PCB) SURVEY8

 5.1 Polychlorinated Biphenyls (PCB) Results9

6.0 ASSUMPTIONS, LIMITATIONS, AND OTHER CONCERNS9

ATTACHMENTS

- Attachment A Summary of Sample Results, Asbestos Containing Materials, Conditions, Quantities and Asbestos Laboratory Analysis Report with Chain of Custody Documentation
- Attachment B Lead-based Paint XRF Testing Results
- Attachment C PCB & Lead Paint Chip Laboratory Analysis Report with Chain of Custody Documentation
- Attachment D Sample and Hazardous Material Location Drawings
- Attachment E Photographic Documentation
- Attachment F Company, Inspector and Laboratory Accreditations and Licenses

1.0 PURPOSE AND SCOPE OF SERVICES

The purpose of this project was to conduct a Pre- Demolition hazardous materials survey for asbestos, lead-based paint (LBP) and polychlorinated biphenyls (PCB) at Thompson Mill Site, Valley Falls, NY (The Site). The 13,000 SF building was mostly collapsed, and the building is unsafe to enter. Samples could only be taken from the exterior of the building, therefore, a full survey could not be performed. The building will most likely be demolished with asbestos in place and require a site specific variance. Ambient Environmental, Inc. (Ambient) provided the following services for Weston & Sampson (Client) in accordance with Ambient proposal number 2019-01-011.

Conduct a representative Hazardous Materials Survey in the identified building, which includes:

- Survey the site building.
- Identify accessible suspect asbestos-containing materials (ACMs) that were not previously tested using limited destructive means.
- Quantify ACMs, including material condition and location.
- Collect and analyze bulk samples of suspect friable and non-friable materials to eliminate suspect materials as asbestos containing.
- Conduct a limited lead-based paint inspection of the building with a Heuresis Corporation Pb200i Lead Paint Analyzer.
- Collect and analyze bulk samples of potential PCB containing window/door caulk.

2.0 EXECUTIVE SUMMARY

The inspection was conducted by NYS licensed and AHERA trained asbestos inspectors and trained lead inspectors on October 2, 2019. The inspection involved visual examinations and sampling of suspect materials that may be impacted by planned demolition projects.

Inspection results revealed the following findings:

- **The demolition area does contain asbestos containing materials**
- **The demolition area does contain lead-based paint**
- **The demolition area does contain PCBs in the samples obtained**
- **Due to the asbestos containing materials/debris that were identified on the exterior of the building and the inability to perform a complete survey due to the collapse of the building, a contamination assessment will be required to identify the extent of the building debris to be included with the building demolition. Development of a site specific variance will also be required for this project. This area should be cordoned off and not occupied by any uncertified asbestos personnel until the proper cleanup/ demolition has been completed.**

Please see attachments and specific report sections for sample locations, type of materials and analytical results.

3.0 ASBESTOS-CONTAINING MATERIALS SURVEY

On October 2, 2019, Ambient performed an asbestos-containing material survey for planned demolition at the subject property. Ambient examined previous reports, if available, to determine if adequate sampling was performed in the work areas and collected additional samples that appeared to be deficient. New York State certified and AHERA trained asbestos inspectors conducted the asbestos survey of the area.

The building was visually inspected for the presence of any additional building materials in the path of demolition that are suspected to contain asbestos. Bulk samples of the newly identified suspect ACMs were collected and placed into individual containers for transport to a National Voluntary Laboratory Accreditation Program (NVLAP) and a New York State Department of Health Environmental Laboratory Approval Program (ELAP)-accredited laboratory for analysis. Materials visibly identified as non-asbestos (fibrous glass, foam rubber, wood, etc.) were not sampled. The asbestos survey consisted of three basic procedures: **1)** conducting a visual inspection of the structures; **2)** identifying homogeneous areas (HAs) of suspect surfacing, thermal system insulation, and miscellaneous materials; and **3)** sampling accessible, friable and non-friable suspect materials.

3.1 Sampling Protocol

3.1.1 Homogeneous Areas

Prior to collecting any samples, HAs were identified and listed to develop a sampling strategy. A homogeneous sampling area can be described as one or more areas of material that are similar in appearance and texture and that have the same installation date and function. The actual number of samples collected from each homogeneous sampling area may vary, based on the type of material and the professional judgment of the inspector.

3.1.2 Hazard Assessment Factors

From the list of suspect homogeneous materials, a physical assessment was performed for each material on the list. A physical assessment includes evaluating the condition, assessing the potential for disturbance, and determining the friability of each material. Friability is a term used to describe the ease in which a building material inherently lends itself to disturbance. By definition, “friable” materials are those that can be crumbled or reduced to powder by hand pressure when dry. Each material on the list was further classified into one of three categories, which have specific sampling requirements for each category.

- | | |
|----------------------------|---|
| Surfacing Materials: | Refers to spray-applied or troweled surfaces such as plaster ceilings and walls, fireproofing, textured paints, textured plasters, and spray-applied acoustical surfaces. |
| Thermal System Insulation: | Refers to insulation used to inhibit heat gain or loss on pipes, boilers, tanks, ducts, and various other building components. |
| Miscellaneous Materials: | Refers to friable and non-friable products and materials that do not fit in any of the above two categories such as resilient floor covering, |

baseboards, mastics, adhesives, roofing material, caulking, glazing, and siding. This category also contains wallboard and ceiling tile.

All confirmed ACMs were then assessed by their condition as good (intact), fair (damaged) or poor (significantly damaged) per Title 40 Code of Federal Regulations Part 763. Material with localized significant damage was also assessed as poor when observed.

3.1.3 Sampling Strategy

The asbestos inspection was conducted according to New York State Department of Labor Industrial Code Rule 56 guidelines using a minimum number of samples collected from each HA, which also meets the sampling requirement found in 29 CFR 1926.1101.

Sample collection depends on the category that the HA falls into and the amount of material present, as follows:

GUIDELINES FOR DETERMINING THE NUMBER OF SAMPLES TO TAKE		
HA CATEGORY	HA SIZE	SAMPLES REQUIRED
Surfacing Materials	<1,000 SF	3
	1,000-5,000 SF	5
	>5,000 SF	7 or more
Thermal System Insulation	No Stipulation	3+ (Must also sample all repair patches)
Miscellaneous Materials	No Stipulation	Per AHERA, these materials must be sampled "in a manner sufficient to determine whether or not they contain asbestos" typically 2-3 samples based upon inspector judgment.

If the analytical results indicated that all the samples collected per HA did not contain asbestos, then the HA (material) would be considered a non-ACM. However, if the analytical results of one or more of the samples collected per HA indicate that asbestos is present in quantities of greater than 1 percent asbestos by weight (as defined by EPA), all of the HA (material) would be treated as an ACM regardless of any other analytical results. Material, which can visually be determined to be non-asbestos (i.e., fibrous glass, foam rubber, etc.) by the accredited inspector are not required to be sampled.

Miscellaneous materials require adequately representative sampling, which is typically done by collecting from two to three samples per material. Inspectors typically rely on other survey observations such as the condition, friability, and quantity of material to determine what would be a sufficient number of samples to accurately evaluate the presence or absence of asbestos content.

Actual collection of a bulk asbestos sample involves physically removing a small piece of material and placing it in a marked, airtight container. Sample containers are marked with a unique identification number, which is also noted in the field notes.

3.1.4 Laboratory Analytical Results

The samples were sent to EMSL in Rochester, New York for analysis. EMSL is fully accredited for bulk sample analysis under the Environmental Laboratory Approval Program (ELAP) administered by the New York State Department of Health, (ELAP# 12088). EMSL is also accredited by the

National Voluntary Laboratory Accreditation Program (NVLAP No. 600183-0) for both air and bulk sampling.

- *Friable Samples* – Friable suspect asbestos containing material samples were analyzed utilizing Method EPA/600/R-93/116 with New York State ELAP 198.1 revision to facilitate compliance with both AHERA and the New York State Department of Health polarized light microscopy (PLM) analytical techniques. All fibers observed were identified to determine whether or not they contained asbestos.
- *Non-Friable Samples* – Non-friable organically bound (NOB) suspect asbestos containing material samples were analyzed utilizing Method EPA/600/R-93/116 with New York State ELAP 198.6 and 198.4 revisions to facilitate compliance with both AHERA and the New York State Department of Health polarized light microscopy (PLM) and transmission electron microscopy (TEM) analytical techniques. These non-friable organically bound samples must be weighed to record initial sample weights, then subjected to muffle furnace and acid bath sample preparation to eliminate the organic constituents. If the remaining inorganic sample residue is 1% or less of the original sample weight, the sample is considered a non-asbestos containing material. If the remaining inorganic sample residue is greater than 1% of the original sample weight then the sample must be analyzed using either PLM or TEM analytical techniques to determine that the sample is an asbestos containing material (positive) or TEM to prove that the sample is a non-asbestos containing material (negative). A non-friable organically bound sample must be proven a non-asbestos containing material utilizing the NYS ELAP 198.4 TEM test method to be in compliance with the New York state Department of Health.

3.2 Asbestos Containing Material Results

The results of the asbestos survey conducted on October 2, 2019, indicate that the following sampled materials/debris were found to contain more than 1.0% asbestos:

- Residual Black Tar
- Black Vapor Barrier Debris
- Black Tar Roofing Material Debris
- White Window Frame Caulk
- Gray Stone Joint Caulk
- Black Asphalt Roofing Debris

Attachment A contains a table listing samples collected and analyzed, sample locations, results, identified asbestos containing materials, homogeneous locations, quantities and the asbestos laboratory analysis report with chain of custody documentation.

Please Note: *Some materials collected and analyzed in this inspection do contain trace amounts of asbestos. These materials include:*

- White Residual Caulk
- White Window Paint- Southside
- White Window Glaze

This information must be conveyed to any contractors working on these materials for compliance with the Occupational Safety and Health Administration 1926.1101. Work that will disturb these materials may require a negative exposure assessment and may include the use of respirators, employee fit tests, an employer respiratory protection program, and an employer medical monitoring program.

The building survey included limited destructive sampling for “hidden” materials. Therefore, the results of this survey may not be inclusive of all asbestos containing material that may be present in the pathway of demolition. If, during the course of renovation, any suspect material is discovered that is not listed on the table in Attachment A it must be treated as asbestos containing material and handled appropriately or sampled by an inspector and analyzed according to NYS and EPA regulations.

One (1) copy of the results of the building/structure asbestos survey shall be immediately transmitted by the building/structure owner as follows:

- One (1) copy of the completed asbestos survey shall be sent by the owner or their agent to the local government entity charged with issuing a permit for such demolition, renovation, remodeling or repair work under applicable State or local laws.
- The completed asbestos survey for controlled demolition (as per Subpart 56-11.5) or pre-demolition asbestos projects shall also be submitted to the appropriate Asbestos Control Bureau district office.
- The completed asbestos survey shall be kept on the construction site with the asbestos notification and variance, if required, throughout the duration of the asbestos project and any associated demolition, renovation, remodeling or repair project.

4.0 LEAD-BASED PAINT SURVEY

On October 2, 2019, Ambient conducted a limited lead-based paint (LBP) investigation of building components which will be affected by proposed renovation work. The purpose of this investigation was to assess if building components contain actionable quantities of lead-based paint.

The U.S Environmental Protection Agency (EPA) and U.S. Department of Housing and Urban Development (HUD) has established a definition of lead-based paint as a paint or other surface coating that contains lead equal to or greater than 1.0 mg/cm² or 0.5% by weight (equivalent units are: 5,000 µg/g, 5,000 mg/kg, or 5,000 ppm by weight). Surface coatings include paint, shellac, varnish, or any other coating, including wallpaper, which covers painted surfaces. A limited inspection for lead-based paint using XRF instrumentation was conducted to determine if lead coated surfaces were affected. This inspection was not in full compliance with HUD guidelines

4.1 Sampling Protocol

4.1.1 Methodology

Testing was performed using X-Ray Fluorescence in situ analysis (XRF) of painted construction materials. Ambient utilized the Pb200i analyzer manufactured by Heuresis Corporation for this survey.

The Pb200i Lead Paint Analyzer is a complete lead paint analysis system that quickly, accurately, and non-destructively measures the concentration of LBP on surfaces. The Pb200i relies on the measurement of the K-shell X-rays to determine the amount of lead present in the painted surface. K-shell X-rays can penetrate many layers of paint and allow a measurement of the lead content of paint to be made without being significantly affected by the thickness or number of layers of paint on the surface of the sample.

The Pb200i has the ability to analyze and compute corrections for the differences in the energy spectrums relating to different substrates. This analysis of the energy spectrum means that the lead paint reading displayed on the instrument already accounts for any substrate effects and correction is not required by the operator. The Pb200i's field of view is limited to a depth of 3/8", deep enough to handle virtually all painted surfaces, but not prone to detect lead objects located behind the surface.

There are two measurement modes of operation in the Pb200i analyzer namely the "Action Level Mode" and the "Extended Reading Mode. In the "Action Level" mode, the analyzer automatically adjusts the measurement time to be the least time that is needed to make a definitive measurement with a 95% confidence level (2-sigma). The Pb200i analyzer will finish a measurement once the 2-sigma confidence level is achieved and the data is statistically meaningful. This time period for conclusive measurements is typically between 1 to 5 seconds, but can extend to a measurement of 60 seconds depending on the action level for abatement. Ambient utilized the Pb200i in the "Action Level" mode for the testing performed.

Upon arrival at the job site and once every four hours or after the day's paint testing work was completed, a "validation test" was performed to assure that the instrument was operating properly. The "validation test" includes taking a series of three test measurements on the NIST Paint Film Standard (SRM No. 2579) as required by the instrument's PCS. The individual readings and an average of the three readings were recorded and compared to the standards. In all cases the instrument was functioning within the standard deviation as defined by the manufacturer and the PCS. All validation readings are recorded in the XRF in the order in which they were taken at the site. If for any reason the XRF does not pass the quality control procedures, it is Ambient's policy to replace that instrument with an XRF that passes the above criteria for calibration.

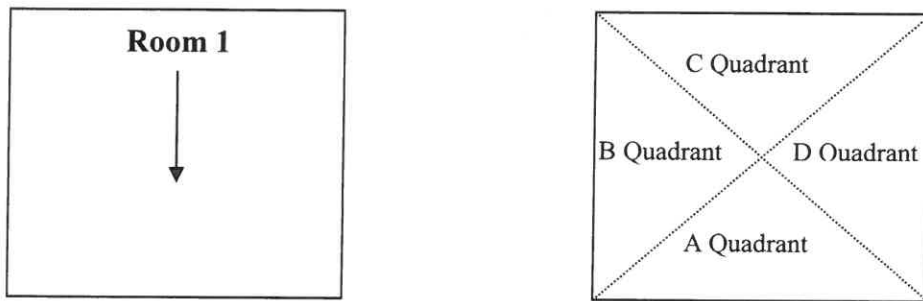
The parameters used to interpret XRF results are outlined in the HUD Guidelines and the Performance Characteristics Sheet (PCS) in Attachment B. According to the PCS, each XRF result is classified as positive for LBP if the result is greater than or equal to 1.0 mg/cm² or negative for LBP if the result is below 1.0 mg/cm².

When measurable amounts of lead are reported in the XRF result, the paint is classified by OSHA as a lead containing material.

4.1.2 Strategy

Location identifiers (reading numbers) were assigned to each room component. Each location sampled has a unique number. The associated sample results will be listed by room number, room location, room name, location in the space and description of material sampled. By convention a sample location is assigned a letter designator for each of the four walls. This divides the space into four equal quadrants, each quadrant consisting of a wall, portion of the floor and a portion of the ceiling. Please see Diagram 1. These letter designators are A, B, C and D. On the diagrams provided, the letter designators are marked for each of the quadrants. In this fashion the sampled space, location in the space and the description of the material sampled can be identified on the attached drawings and associated results table.

Diagram 1



4.2 Lead-Based Paint Results

Lead XRF Testing

The results of the lead-based paint survey conducted on October 2, 2019 at the subject property indicate that the following materials were found to be characterized as lead-based paint:

- Wood Window Frame
- Wood Window Header

Lead Paint Chip Testing

Ambient conducted a lead-based paint inspection of the various paints identified in site buildings.

Two (2) paint chip samples were collected from the renovation areas and analyzed for lead content. The following table provides an overview of the analysis results.

Sample Number	Lead Concentration (% by weight)
Pb-01	3.1%

Sample Number	Lead Concentration (% by weight)
Pb-02	23%

Federal regulations consider paint to be lead-based when the result is 0.5% (or greater) lead by weight. Please be advised that the Occupational Safety and Health Administration (OSHA) does not recognize surface testing methods for compliance with 29 CFR 1926.62. This inspection was not in full compliance with HUD guidelines.

4.3 Recommendations

Any contractor disturbing a lead-based paint is directed to comply with all applicable laws and regulations governing the disturbance of lead-based or lead containing materials including but not limited to *Occupational Safety and Health Administration (OSHA)* standards including *Construction Lead Standard 29 CFR 1926.62*. Air monitoring for employee exposures should be performed in accordance with the National Institute for Occupational Safety and Health (NIOSH) 7300 Method or equivalent. As an alternative to air monitoring, the contractor may provide objective data per 29 CFR 1926.62 Section (d)(3)(iv). The contractor shall employ work practices and controls to prevent the occurrence of lead contamination at the Site.

Attachment B contains the lead-based XRF paint results.

5.0 POLYCHLORINATED BIPHENYL (PCB) SURVEY

On October 2, 2019, Ambient sampled suspect PCB containing caulk that could be impacted by the upcoming renovation and analyzed it for Polychlorinated Biphenyl (PCB) content.

The PCB survey involved a visual examination and sampling of caulk materials that may be impacted by the planned demolition projects. PCB, or Polychlorinated Biphenyl, was used in various products including caulking material from 1930 to approximately 1979 when PCB were banned by Congress. PCB are listed to be Probable Human Carcinogens by the ATSDR (Agency for Toxic Substances and Disease Registry), the National Cancer Institute and the World Health Organization.

PCB-containing materials are regulated under the Toxic Substances Control Act (TSCA) and 40 CFR 761 and are considered a regulated hazardous material at concentrations equal to or greater than 50 ppm (50,000 ppb). PCB must be segregated from construction debris and then be taken to a hazardous waste landfill in accordance with U.S. EPA regulations under the Toxic Substances Control Act (40 CFR 761.62) and NYSDEC hazardous waste regulations (6NYCRR370-373). PCB can also be incinerated at an approved facility. There are also alternative methods for PCB destruction.

Bulk samples were collected and submitted to Schneider Labs, 2512 W. Cary Street, Richmond, Virginia. The samples were analyzed using EPA SW-846 Method 8082 PCB by Gas Chromatography.

5.1 Polychlorinated Biphenyls (PCB) Results

One of the caulks sampled contains PCB concentrations greater than 50 ppm and is therefore considered a hazardous material. The following table summarizes the samples collected and their corresponding results.

Material Description/Sample Location	Sample Number	Total PCB (PPM)
Residual White Caulk / Exterior	PCB-01	0.53
White Window Caulk / Exterior	PCB-02	0.27
Gray Stone Window Sill Joint Caulk / Exterior	PCB-03	100

PCB containing caulk is regulated under the Toxic Substances Control Act (TSCA) and is considered a regulated hazardous material at concentrations equal to or greater than 50 ppm. Now that it has been identified it needs to be removed or a plan filed with the Environmental Protection Agency (EPA).

Attachment C contains the PCB and lead paint chip laboratory analysis report with chain of custody documentation.

Attachment D contains the sample and hazardous material location drawings.

Attachment E contains photographic documentation.

Attachment F contains the company, inspector and laboratory accreditations and licenses.

6.0 ASSUMPTIONS, LIMITATIONS, AND OTHER CONCERNS

The results, findings, conclusions, and recommendations expressed in this report are based only on conditions that were noted during the inspection of the subject property.

- Ambient's selection of sample locations and frequency of sampling was based on observations and the assumption that like materials in the same area are homogeneous in content.
- Refer to Section 1.0 Purpose and Scope of Services of this report to see clarification of survey locations that were in our scope of work.
- This building is condemned and is not safe for entry. Ambient personnel did not enter the building or perform a complete hazardous material survey. At the client's request, Ambient sampled select materials that were accessible from the exterior of the building, including some debris piles around the building. The building will require to be demolished with asbestos in place. The contractor or other user is advised to physically inspect the areas to be demolished.
- Due to the asbestos containing materials/debris that were identified on the exterior of the building and the inability to perform a complete survey due to the collapse of the building, a contamination assessment will be required to identify the extent of the building debris to be included with the building demolition. Development of a site specific variance will also be

required for this project. This area should be cordoned off and not occupied by any uncertified asbestos personnel until the proper cleanup/demolition has been completed.

- Ambient did not inspect any exterior areas below grade. Foundation sealers, buried piping, and other items may exist below grade *which may contain asbestos*.
- The lead-based paint inspection was limited to representative accessible painted surfaces that are expected to be impacted by the planned renovation or demolition as of the date of the inspection. Representative locations were selected based on available information including construction and renovation history, conditions observed during the paint inspection and inspector safety when accessing the surfaces. OSHA requires the use of lead safe work practices to protect employees who are disturbing any lead containing material including, but not limited to, components coated with lead-based paint or varnish.
- All locations on drawings are approximate and all quantities are estimated. Any contractor or other user of this report is required to physically visit the site to verify all measurements and confirm the quantities of materials to be removed, to be bid for removal, or for any other purpose.

All construction personnel, as well as individuals who have access to locations where ACM exists, should be informed of its presence and the proper work practices in these areas. Conspicuous labeling of all ACM is suggested to ensure personnel is adequately informed. Personnel should be informed not to rest, lean or store material or equipment on or near these surfaces and not to cut, saw, drill, sand or disturb ACM. All removal, disturbance and repair of ACM should be performed in compliance with Title 12 NYCRR Part 56 by persons properly trained to handle ACM. Facility custodial and maintenance personnel should receive training commensurate with their work activities; as defined in 29 CFR 1910.1001.

The report is designed to aid the building owner, architect, construction manager, general contractors, and potential asbestos or lead abatement contractors in locating ACM. Under no circumstances is the report to be utilized as a bidding document or as a project specification document since it does not have all the components required to serve as an Asbestos Project Design document or an Abatement Workplan.

Our professional services have been performed, our findings obtained, and our conclusions and recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This statement is in lieu of other statements either expressed or implied. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

Ambient inspected and sampled materials, which were observable and accessible to the survey team. It is possible, however, that additional suspect materials may exist within interstitial spaces (i.e. underground chases, plenums, wall cavities, beneath pavement/asphalts pathways, etc.), which were not accessible or not made accessible and as a result, not noted in this report.

If questions arise regarding asbestos in materials/locations that were not tested by Ambient, then additional survey services should be procured to test these locations. Ambient makes no representation or warranty concerning the standards and specifications provided in applicable

regulations. Any materials that have not been tested and/or found during future investigation must be assumed positive for asbestos, lead-based paint and/or PCB (if applicable).

ATTACHMENT A
TABLE OF SAMPLE RESULTS ASBESTOS CONTAINING MATERIALS,
CONDITIONS, QUANTITIES AND ASBESTOS LABORATORY ANALYSIS
REPORT WITH CHAIN OF CUSTODY DOCUMENTATION

**WESTON & SAMPSON
THOMPSON MILL SITE
VALLEY FALLS, NY**

SUMMARY OF ASBESTOS SAMPLES AND ANALYSIS RESULTS

Homogeneous Area Number	Bulk Sample ID Number	Sampled Material	Sample Location	Friability (N/F)	Condition (G, D, SD)	Quantity	Homogeneous Area	Asbestos Content (Type & %)
01	01	White Residual Caulk	Exterior- Front- On Red Brick	N	G	N/A	N/A	<1.0% Chrysotile
01	02	White Residual Caulk	Exterior- Front- On Red Brick	N	G	N/A	N/A	<1.0% Chrysotile
02	01	Residual Black Tar	Exterior- Front- On Red Brick	N	G	20 SF	Exterior West and East on Brick	12.0% Chrysotile
02	02	Residual Black Tar	Exterior- Front- On Red Brick	N	G			NA/PS
03	01	Gray Poured Concrete Foundation	Exterior- Rear- Base Of Wall	F	G	N/A	N/A	NAD
03	02	Gray Poured Concrete Foundation	Exterior- Rear- Base Of Wall	F	G	N/A	N/A	NAD
04	01	Black Vapor Barrier Debris	Exterior- Debris Pile- Front	N	D	TBD	Exterior Debris Pile	18.0% Chrysotile
04	02	Black Vapor Barrier Debris	Exterior- Debris Pile- Front	N	D			NA/PS
05	01	Black Tar Roofing Material Debris	Exterior- Debris Pile- Front	N	D	TBD	Exterior Debris Pile	7.20% Chrysotile
05	02	Black Tar Roofing Material Debris	Exterior- Debris Pile- Front	N	D			NA/PS
06	01	Gray Stacked Stone Foundation Gray Mortar	Exterior- Rear Corner by RR Tracks- Base of Exterior Wall	F	G	N/A	N/A	NAD
06	02	Gray Stacked Stone Foundation Gray Mortar	Exterior- Rear Corner by RR Tracks- Base of Exterior Wall	F	G	N/A	N/A	NAD
07	01	White Gypsum Board Debris	Exterior- Front- Debris Pile	F	D	N/A	N/A	NAD
07	02	White Gypsum Board Debris	Exterior- Front- Debris Pile	F	D	N/A	N/A	NAD
08	01	White Window Paint-Southside	Exterior- Rear- South Side Window- By Railroad Tracks- On Wooden Window Frame	N	D	N/A	N/A	<1.0% Chrysotile
08	02	White Window Paint-Southside	Exterior- Rear- South Side Window- By Railroad Tracks- On Wooden Window Frame	N	D	N/A	N/A	<1.0% Chrysotile
08	03	White Window Paint-Southside	Exterior- Rear- South Side Window- By Railroad Tracks- On Wooden Window Frame	N	D	N/A	N/A	<1.0% Chrysotile

**WESTON & SAMPSON
THOMPSON MILL SITE
VALLEY FALLS, NY**

SUMMARY OF ASBESTOS SAMPLES AND ANALYSIS RESULTS

Homogeneous Area Number	Bulk Sample ID Number	Sampled Material	Sample Location	Friability (N/F)	Condition (G, D, SD)	Quantity	Homogeneous Area	Asbestos Content (Type & %)
09	01	White Window Frame Caulk	Exterior- Rear South Side Window- By Railroad Tracks- On Wooden Window Frame	N	G	40 LF	Extreme South Windows	NA/PS ⁽¹⁾
09	02	White Window Frame Caulk	Exterior- Rear South Side Window- By Railroad Tracks- On Wooden Window Frame	N	G			2.30% Chrysotile
10	01	Gray CMU Block	Exterior- Front- Filling Hole Left From Old Window	F	D	N/A	N/A	NAD
10	02	Gray CMU Block	Exterior- Front- Filling Hole Left From Old Window	F	D	N/A	N/A	NAD
11	01	Gray Mortar For Gray CMU Block	Exterior- Front- Filling Hole Left From Old Window	F	D	N/A	N/A	NAD
11	02	Gray Mortar For Gray CMU Block	Exterior- Front- Filling Hole Left From Old Window	F	D	N/A	N/A	NAD
12	01	White Window Glaze	Exterior- South Side by Railroad Tracks- On Windowpanes	N	D	N/A	N/A	<1.0% Chrysotile
12	02	White Window Glaze	Exterior- South Side by Railroad Tracks- On Windowpanes	N	D	N/A	N/A	<1.0% Chrysotile
13	01	Red Brick	Exterior- Rear- Exterior Wall	F	D	N/A	N/A	NAD
13	02	Red Brick	Exterior- Rear- Exterior Wall	F	D	N/A	N/A	NAD
14	01	Gray Grout For Red Brick	Exterior- Rear- Exterior Wall	F	D	N/A	N/A	NAD
14	02	Gray Grout For Red Brick	Exterior- Rear- Exterior Wall	F	D	N/A	N/A	NAD
15	01	Gray Stone Joint Caulk	Exterior- Creekside- Joints of Stone Windowsill	N	G	25 LF	Exterior Window Sills	1.30% Chrysotile
15	02	Gray Stone Joint Caulk	Exterior- Creekside- Joints of Stone Windowsill	N	G			NA/PS
16	01	Black Asphalt Roofing Debris	Exterior- Front- Debris Pile	N	D	TBD	Exterior Debris Pile	4.90% Chrysotile
16	02	Black Asphalt Roofing Debris	Exterior- Front- Debris Pile	N	D			NA/PS
17	01	White Window Paint-Front	Exterior- Front- On Wooden Window Frame	N	D	N/A	N/A	NAD

WESTON & SAMPSON
THOMPSON MILL SITE
VALLEY FALLS, NY
SUMMARY OF ASBESTOS SAMPLES AND ANALYSIS RESULTS

Homogeneous Area Number	Bulk Sample ID Number	Sampled Material	Sample Location	Friability (N/F)	Condition (G, D, SD)	Quantity	Homogeneous Area	Asbestos Content (Type & %)
17	02	White Window Paint-Front	Exterior- Front- On Wooden Window Frame	N	D	N/A	N/A	NAD
17	03	White Window Paint-Front	Exterior- Front- On Wooden Window Frame	N	D	N/A	N/A	NAD

NAD = No asbestos detected

NA/PS = Not analyzed/positive stop

(1) This sample is part of a homogenous group of samples, therefore, it should be considered to be an asbestos containing material.

SF = Square Foot

LF = Linear Foot

* Quantities are estimates only and should be field verified.

* Quantities and homogenous locations only reflect materials that could be seen. As stated in the report, this building is mostly collapsed and a full inspection could not be completed.

Please Note: Due to the asbestos containing materials/debris that were identified on the exterior of the building and the inability to perform a complete survey due to the collapse of the building, a contamination assessment will be required to identify the extent of the building debris to be included with the building demolition. Development of a site specific variance will also be required for this project. This area should be cordoned off and not occupied by any uncertified asbestos personnel until the proper cleanup/demolition has been completed.

Note: Refer to Assumptions & Limitations Section of the Report.



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EMSL Order: 531901652
Customer ID: AMBI65
Customer PO:
Project ID:

Attention: Results
Ambient Environmental, Inc.
828 Washington Ave
Albany, NY 12203

Phone: (518) 482-0704
Fax: (518) 482-0750
Received Date: 10/07/2019 10:38 AM
Analysis Date: 10/11/2019 - 10/14/2019
Collected Date: 10/02/2019

Project: Weston & Sampson. Thomas Mill Site, Exterior Only. Project #: 190920AD.

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 01-01 531901652-0001			Description Exterior- Front- On Red Brick - White Residual Caulk Homogeneity Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/11/2019	White	1.70% Fibrous (other) 4.40% Wollastonite	93.90% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	10/14/2019	White	1.70% Fibrous (other)	98.30% Other	<1% Chrysotile
Sample ID 01-02 531901652-0002			Description Exterior- Front- On Red Brick - White Residual Caulk Homogeneity Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/14/2019	White	1.60% Fibrous (other) 3.80% Wollastonite	94.60% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	10/14/2019	White	2.20% Fibrous (other)	97.80% Other	<1% Chrysotile
Sample ID 02-01 531901652-0003			Description Exterior- Front- On Red Brick - Residual Black Tar Homogeneity Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/11/2019	Black	None	88.00% Other	12.00% Chrysotile
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 02-02 531901652-0004			Description Exterior- Front- On Red Brick - Residual Black Tar Homogeneity		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/11/2019				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 03-01 531901652-0005			Description Exterior- Rear- Base of Wall - Gray Poured Concrete Foundation Homogeneity Homogeneous		
PLM NYS 198.1 Friable	10/14/2019	Gray	<1.00% Cellulose <1.00% Glass	100.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial report from: 10/14/2019 13:47:14



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EMSL Order: 531901652
Customer ID: AMBI65
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos			Asbestos
			Description	Fibrous	Non-Fibrous	
Sample ID 03-02 531901652-0006			Description Exterior- Rear- Base of Wall - Gray Poured Concrete Foundation			
			Homogeneity Homogeneous			
PLM NYS 198.1 Friable	10/14/2019	Gray	<1.00% Min. Wool	10.00% Ca Carbonate 90.00% Non-fibrous (other)		None Detected
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB						Not Analyzed
TEM NYS 198.4 NOB						Not Analyzed
Sample ID 04-01 531901652-0007			Description Exterior- Debris Pile- Front - Black Vapor Barrier Debris			
			Homogeneity Homogeneous			
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	10/11/2019	Black	None	82.00% Other		18.00% Chrysotile
TEM NYS 198.4 NOB						Not Analyzed
Sample ID 04-02 531901652-0008			Description Exterior- Debris Pile- Front - Black Vapor Barrier Debris			
			Homogeneity			
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	10/11/2019					Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB						Not Analyzed
Sample ID 05-01 531901652-0009			Description Exterior- Debris Pile- Front - Black Tar Roofing Material Debris			
			Homogeneity Homogeneous			
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	10/11/2019	Black	None	92.80% Other		7.20% Chrysotile
TEM NYS 198.4 NOB						Not Analyzed
Sample ID 05-02 531901652-0010			Description Exterior- Debris Pile- Front - Black Tar Roofing Material Debris			
			Homogeneity			
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	10/11/2019					Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB						Not Analyzed
Sample ID 06-01 531901652-0011			Description Exterior- Rear Corner by RR Tracks- Base of Exterior Wall - Gray Stacked Stone Foundation Gray Mortar			
			Homogeneity Homogeneous			
PLM NYS 198.1 Friable	10/14/2019	Gray	<1.00% Cellulose <1.00% Glass	10.00% Ca Carbonate 90.00% Non-fibrous (other)		None Detected
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB						Not Analyzed
TEM NYS 198.4 NOB						Not Analyzed

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EMSL Order: 531901652
Customer ID: AMBI65
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		
			Fibrous	Non-Fibrous	Asbestos
Sample ID 06-02 531901652-0012			Description Exterior- Rear Corner by RR Tracks- Base of Exterior Wall - Gray Stacked Stone Foundation Gray Mortar		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/14/2019	Gray		15.00% Ca Carbonate 80.00% Non-fibrous (other) 5.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 07-01 531901652-0013			Description Exterior- Front- Debris Pile - White Gypsum Board Debris		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/14/2019	White	2.00% Cellulose	85.00% Gypsum 13.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 07-02 531901652-0014			Description Exterior- Front- Debris Pile - White Gypsum Board Debris		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/14/2019	Brown/ White	5.00% Cellulose	85.00% Gypsum 10.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 08-01 531901652-0015			Description Exterior- Rear- South Side Window- By Railroad Tracks- On Wooden Window Frame - White Window Paint- Southside		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/11/2019	White	<1.00% Fibrous (other) 2.20% Wollastonite	97.80% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	10/14/2019	White	2.20% Fibrous (other)	97.80% Other	<1% Chrysotile
Sample ID 08-02 531901652-0016			Description Exterior- Rear- South Side Window- By Railroad Tracks- On Wooden Window Frame - White Window Paint- Southside		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/11/2019	White	2.20% Fibrous (other) 1.30% Wollastonite	96.50% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	10/14/2019	White	2.20% Fibrous (other)	97.80% Other	<1% Chrysotile
Sample ID 08-03 531901652-0017			Description Exterior- Rear- South Side Window- By Railroad Tracks- On Wooden Window Frame - White Window Paint- Southside		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/14/2019	White	4.30% Wollastonite	95.70% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	10/14/2019	White	2.20% Fibrous (other)	97.80% Other	<1% Chrysotile

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EMSL Order: 531901652
Customer ID: AMBI65
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 09-01 531901652-0018		Description	Exterior- Rear- South Side Window- By Railroad Tracks- On Wooden Window Frame - White Window Frame Caulk		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/11/2019	White	1.50% Fibrous (other) 1.50% Wollastonite	97.00% Other	Inconclusive : <1% Chrysotile
TEM NYS 198.4 NOB	10/14/2019				Positive Stop (Not Analyzed)
Sample ID 09-02 531901652-0019		Description	Exterior- Rear- South Side Window- By Railroad Tracks- On Wooden Window Frame - White Window Frame Caulk		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/14/2019	White	<1.00% Fibrous (other) 1.40% Wollastonite	96.30% Other	2.30% Chrysotile
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 10-01 531901652-0020		Description	Exterior- Front- Filling Hole Left From Old Window - Gray CMU Block		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/14/2019	Gray	<1.00% Cellulose	100.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 10-02 531901652-0021		Description	Exterior- Front- Filling Hole Left From Old Window - Gray CMU Block		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/14/2019	Gray		10.00% Ca Carbonate 80.00% Non-fibrous (other) 10.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11-01 531901652-0022		Description	Exterior- Front- Filling Hole Left From Old Window - Gray Mortar For Gray CMU Block		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/14/2019	Gray		10.00% Ca Carbonate 90.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11-02 531901652-0023		Description	Exterior- Front- Filling Hole Left From Old Window - Gray Mortar For Gray CMU Block		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/14/2019	Gray		10.00% Ca Carbonate 80.00% Non-fibrous (other) 10.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial report from: 10/14/2019 13:47:14



EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623
Tel/Fax: (585) 957-9436 / (585) 957-9437
<http://www.EMSL.com / rochesterlab@EMSL.com>

EMSL Order: 531901652
Customer ID: AMBI65
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 12-01 531901652-0024			Description Exterior- South Side by Railroad Tracks- On Windowpanes - White Window Glaze		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/11/2019	White	<1.00% Fibrous (other) <1.00% Wollastonite	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	10/14/2019	White	<1.00% Fibrous (other)	100.00% Other	<1% Chrysotile
Sample ID 12-02 531901652-0025			Description Exterior- South Side by Railroad Tracks- On Windowpanes - White Window Glaze		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/14/2019	White	<1.00% Fibrous (other) <1.00% Wollastonite	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	10/14/2019	White	<1.00% Fibrous (other)	100.00% Other	<1% Chrysotile
Sample ID 13-01 531901652-0026			Description Exterior- Rear- Exterior Wall - Red Brick		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable	10/14/2019	Red		100.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 13-02 531901652-0027			Description Exterior- Rear- Exterior Wall - Red Brick		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable	10/14/2019	Red	2.00% Cellulose	98.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 14-01 531901652-0028			Description Exterior- Rear- Exterior Wall - Gray Grout For Red Brick		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable	10/14/2019	Gray		100.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 14-02 531901652-0029			Description Exterior- Rear- Exterior Wall - Gray Grout For Red Brick		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable	10/14/2019	Gray		15.00% Ca Carbonate 80.00% Non-fibrous (other) 5.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial report from: 10/14/2019 13:47:14



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<http://www.EMSL.com / rochesterlab@EMSL.com>

EMSL Order: 531901652
Customer ID: AMBI65
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 15-01 531901652-0030			Description Exterior- Creekside- Joints of Stone Windowsill - Gray Stone Joint Caulk		
			Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/11/2019	Gray	None	98.70% Other	1.30% Chrysotile
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 15-02 531901652-0031			Description Exterior- Creekside- Joints of Stone Windowsill - Gray Stone Joint Caulk		
			Homogeneity		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/11/2019				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 16-01 531901652-0032			Description Exterior- Front- Debris Pile - Black Asphalt Roofing Debris		
			Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/11/2019	Black	None	95.10% Other	4.90% Chrysotile
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 16-02 531901652-0033			Description Exterior- Front- Debris Pile - Black Asphalt Roofing Debris		
			Homogeneity		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/11/2019				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 17-01 531901652-0034			Description Exterior- Front- On Wooden Window Frame - White Window Paint- Front		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/11/2019	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	10/14/2019	White	None	100.00% Other	<1% Chrysotile
Sample ID 17-02 531901652-0035			Description Exterior- Front- On Wooden Window Frame - White Window Paint- Front		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/11/2019	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	10/14/2019	White	None	100.00% Other	<1% Chrysotile

Initial report from: 10/14/2019 13:47:14



EMSL Analytical, Inc.

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Tel/Fax: (585) 957-9436 / (585) 957-9437
<http://www.EMSL.com> / rochesterlab@EMSL.com

EMSL Order: 531901652
Customer ID: AMBI65
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 17-03 531901652-0036		Description	Exterior- Front- On Wooden Window Frame - White Window Paint- Front		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/14/2019	White	1.20% Wollastonite	98.80% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB					Not Analyzed

Initial report from: 10/14/2019 13:47:14



EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623
Tel/Fax: (585) 957-9436 / (585) 957-9437
<http://www.EMSL.com> / rochesterlab@EMSL.com

EMSL Order: 531901652
Customer ID: AMBI65
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Analyst(s):

Jessica Schwartz PLM NYS 198.1 Friable (7)

Melissa Hartwig PLM NYS 198.1 Friable (7)

Jessica Schwartz PLM NYS 198.6 NOB (12)

Melissa Hartwig PLM NYS 198.6 NOB (5)

Peter Donato TEM NYS 198.4 NOB (9)

Samples reviewed and approved by:

Peter Donato Asbestos Laboratory Manager
or Other Approved Signatory

NOB = Non Friable Organically Bound N/A = Not Applicable VCM = Vermiculite Containing Material

-In New York State, TEM is currently the only method that can be used to determine if NOB materials can be considered or treated as non-asbestos containing.

All samples examined for the presence of vermiculite when analyzed via NYS 198.1.

-NYS Guidelines for Vermiculite containing samples are available at http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance_Rev070913.pdf EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples were received in good condition unless otherwise noted.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. This report may contain data that is not covered by the NVLAP accreditation.

Samples analyzed by EMSL Analytical, Inc. Rochester, NY NYS ELAP 12088

Initial report from: 10/14/2019 13:47:14

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

1. Client: Weston & Sampson	2. Project Name: Thompson Mill Site	2a. Project Street Address: Thompson Mill	2c. Client Contact: Craig Miner
3. Project Number: 190920AD	4. Inspector: Bradley Fuller & Nathan Mastenbrook	2b. Project Address City/State: Valley Falls, N.Y.	5. Collection Date: 10-2-19
6. Sample TAT: 5 Day	7. Building Name: Thompson Mill Site	8. Sampling Areas: Exterior Only	
9. Comments: (Field) <input checked="" type="checkbox"/> Analyze to First Positive By Homogeneous Material <input checked="" type="checkbox"/> For Negative NOB PLM's, continue to TEM			

BULK SAMPLE LOCATION

TYPE OF MATERIALS

10. Homogeneous Area Number	11. Bulk Sample ID Number	12. Sampled Material	13. Type of Material		14. Sample Location Sample Coordinates	15. Friability (N/F)	16. Condition (G, D, SD)	17. Quantity (LF, SF, EA)	18. Asbestos Content (Type & %)
			Surf	MISC					
01	01	White Residual Caulk		X	Exterior- Front- On Red Brick	N	G		
01	02	White Residual Caulk		X	Exterior- Front- On Red Brick	N	G		
02	01	Residual Black Tar		X	Exterior- Front- On Red Brick	N	G		
02	02	Residual Black Tar		X	Exterior- Front- On Red Brick	N	G		
03	01	Gray Poured Concrete Foundation		X	Exterior- Rear- Base Of Wall	F	G		
03	02	Gray Poured Concrete Foundation		X	Exterior- Rear- Base Of Wall	F	G		
04	01	Black Vapor Barrier Debris		X	Exterior- Debris Pile- Front	N	D		
04	02	Black Vapor Barrier Debris		X	Exterior- Debris Pile- Front	N	D		
05	01	Black Tar Roofing Material Debris		X	Exterior- Debris Pile- Front	N	D		
05	02	Black Tar Roofing Material Debris		X	Exterior- Debris Pile- Front	N	D		
06	01	Gray Stacked Stone Foundation Gray Mortar		X	Exterior- Rear Corner by RR Tracks- Base of Exterior Wall	F	G		
06	02	Gray Stacked Stone Foundation Gray Mortar		X	Exterior- Rear Corner by RR Tracks- Base of Exterior Wall	F	G		
07	01	White Gypsum Board Debris		X	Exterior- Front- Debris Pile	F	D		

CHAIN OF CUSTODY

19. Relinquished By:	20. Date	21. Time	22. Received By:	23. Date	24. Time
I		4 PM			
II					
III					

LAB INFORMATION

25. Lab Name	26. Date	27. Time
a. Analyzed By:		
b. QC by:		
c. Lab Batch #:		

28. Project Manager: Brad

29. Results To: Results@ambient-env.com

30. Drawings: ___ Sample Locations ___ Material Locations

31. Comments:

**BULK SAMPLE DATA AND
CHAIN OF CUSTODY FORM**

PROJECT INFORMATION

1. Client: Weston & Sampson	2. Project Name: Thompson Mill Site	2a. Project Street Address: Thompson Mill	2c. Client Contact: Craig Miner
3. Project Number: 190920AD	4. Inspector: Bradley Fuller & Nathan Mastenbrook	2b. Project Address City/State: Valley Falls, N.Y.	
6. Sample TAT: 5 Day	7. Building Name: Thompson Mill Site	5. Collection Date: 10-2-19	
8. Sampling Areas: Exterior Only		9. Comments: (Field) <input checked="" type="checkbox"/> Analyze to First Positive By Homogeneous Material <input checked="" type="checkbox"/> For Negative NOB PLM's, continue to TEM	

BULK SAMPLE LOCATION

TYPE OF MATERIALS

10. Homogeneous Area Number	11. Bulk Sample ID Number	12. Sampled Material	13. Type of Material			14. Sample Location	15. Friability (N/F)	16. Condition (G, D, SD)	17. Quantity (LF, SF, EA)	18. Asbestos Content (Type & %)
			Surf	TSI	MISC					
07	02	White Gypsum Board Debris			X	Exterior- Front- Debris Pile	F	D		
08	01	White Window Paint-Southside	X			Exterior- Rear- South Side Window- By Railroad Tracks- On Wooden Window Frame	N	D		
08	02	White Window Paint-Southside	X			Exterior- Rear- South Side Window- By Railroad Tracks- On Wooden Window Frame	N	D		
08	03	White Window Paint-Southside	X			Exterior- Rear- South Side Window- By Railroad Tracks- On Wooden Window Frame	N	D		
09	01	White Window Frame Caulk			X	Exterior- Rear South Side Window- By Railroad Tracks- On Wooden Window Frame	N	G		
09	02	White Window Frame Caulk			X	Exterior- Rear South Side Window- By Railroad Tracks- On Wooden Window Frame	N	G		
10	01	Gray CMU Block			X	Exterior- Front- Filling Hole Left From Old Window	F	D		
10	02	Gray CMU Block			X	Exterior- Front- Filling Hole Left From Old Window	F	D		
11	01	Gray Mortar For Gray CMU Block			X	Exterior- Front- Filling Hole Left From Old Window	F	D		

CHAIN OF CUSTODY

19. Relinquished By:	20. Date	21. Time	22. Received By:	23. Date	24. Time
I		4 PM			
II					
III					

LAB INFORMATION

25. Lab Name	26. Date	27. Time
a. Analyzed By:		
b. QC by:		
c. Lab Batch #:		

28. Project Manager: Brad

29. Results To: Results@ambient-env.com

30. Drawings: ___ Sample Locations ___ Material Locations

31. Comments:

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

1. Client: Weston & Sampson	2. Project Name: Thompson Mill Site	2a. Project Street Address: Thompson Mill	2c. Client Contact: Craig Miner
3. Project Number: 190920AD	4. Inspector: Bradley Fuller & Nathan Mastenbrook	2b. Project Address City/State: Valley Falls, N.Y.	
6. Sample TAT: 5 Day	7. Building Name: Thompson Mill Site	5. Collection Date: 10-2-19	
8. Sampling Areas: Exterior Only		9. Comments: (Field) <input checked="" type="checkbox"/> Analyze to First Positive By Homogeneous Material <input checked="" type="checkbox"/> For Negative NOB PLM's, continue to TEM	

BULK SAMPLE LOCATION

TYPE OF MATERIALS

10. Homogeneous Area Number	11. Bulk Sample ID Number	12. Sampled Material	13. Type of Material			14. Sample Location Sample Coordinates	15. Friability (N/F)	16. Condition (G, D, SD)	17. Quantity (LF, SF, EA)	18. Asbestos Content (Type & %)
			Surf	TSI	MISC					
11	02	Gray Mortar For Gray CMU Block			X	Exterior-Front- Filling Hole Left From Old Window	F	D		
12	01	White Window Glaze			X	Exterior- South Side by Railroad Tracks- On Windowpanes	N	D		
12	02	White Window Glaze			X	Exterior- South Side by Railroad Tracks- On Windowpanes	N	D		
13	01	Red Brick			X	Exterior- Rear- Exterior Wall	F	D		
13	02	Red Brick			X	Exterior- Rear- Exterior Wall	F	D		
14	01	Gray Grout For Red Brick			X	Exterior- Rear- Exterior Wall	F	D		
14	02	Gray Grout For Red Brick			X	Exterior- Rear- Exterior Wall	F	D		
15	01	Gray Stone Joint Caulk			X	Exterior- Creekside- Joints of Stone Windowsill	N	G		
15	02	Gray Stone Joint Caulk			X	Exterior- Creekside- Joints of Stone Windowsill	N	G		
16	01	Black Asphalt Roofing Debris			X	Exterior- Front- Debris Pile	N	D		
16	02	Black Asphalt Roofing Debris			X	Exterior- Front- Debris Pile	N	D		
17	01	White Window Paint-Front				Exterior- Front- On Wooden Window Frame	N	D		
17	02	White Window Paint-Front				Exterior- Front- On Wooden Window Frame	N	D		

CHAIN OF CUSTODY

19. Relinquished By:	20. Date	21. Time	22. Received By:	23. Date	24. Time
I		4 PM			
II					
III					

LAB INFORMATION

25. Lab Name	26. Date	27. Time
a. Analyzed By:		
b. QC by:		
c. Lab Batch #:		

28. Project Manager: Brad

29. Results To: Results@ambient-env.com

30. Drawings: ___ Sample Locations
 ___ Material Locations

31. Comments:



BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

1. Client: Weston & Sampson	2. Project Name: Thompson Mill Site	2a. Project Street Address: Thompson Mill	2c. Client Contact: Craig Miner
3. Project Number: 190920AD	4. Inspector: Bradley Fuller & Nathan Mastenbrook	2b. Project Address City/State: Valley Falls, N.Y.	
6. Sample TAT: 5 Day	7. Building Name: Thompson Mill Site	8. Sampling Areas: Exterior Only	
9. Comments: (Field) <input checked="" type="checkbox"/> Analyze to First Positive By Homogeneous Material <input checked="" type="checkbox"/> For Negative NOB PLM's, continue to TEM			

BULK SAMPLE LOCATION

TYPE OF MATERIALS

10. Homogeneous Area Number	11. Bulk Sample ID Number	12. Sampled Material	13. Type of Material			14. Sample Location	15. Friability (N/F)	16. Condition (G, D, SD)	17. Quantity (LF, SF, EA)	18. Asbestos Content (Type & %)
			Surf	TSI	MISC					
17	03	White Window Paint-Front	X			Exterior- Front- On Wooden Window Frame	N	D		

CHAIN OF CUSTODY

19. Relinquished By:	20. Date	21. Time	22. Received By:	23. Date	24. Time
I		4 PM			
II					
III					
28. Project Manager: Brad			29. Results To: Results@ambient-env.com		
30. Drawings: ___ Sample Locations ___ Material Locations			31. Comments:		

LAB INFORMATION

25. Lab Name	26. Date	27. Time
a. Analyzed By:		
b. QC by:		
c. Lab Batch #:		
31. Comments:		

ATTACHMENT B
LEAD-BASED PAINT XRF TESTING RESULTS



Thompson Mill- Lead Report- Detailed

Ambient Environmental
828 Washington Ave
Albany, NY 12203

INSPECTION DATE: 10/2/2019 - 10/2/2019

REPORT NUMBER: 190920AD

INSTRUMENT TYPE: Heuresis Corp.
Pb200i XRF Lead Paint Analyzer
2327

ACTION LEVEL: 1.0 mg/cm²

Job ID: 190920AD

STATEMENT: Lead Report

Thompson Mill- Lead Report- Detailed

Inspection Date: 10/2/2019 - 10/2/2019
 Action Level: 1.0 mg/cm²
 Report Number: 190920AD
 Total Readings: 9
 Unit Started: 10/02/2019 09:57:16
 Unit Ended: 10/02/2019 11:32:09
 Inspection Site: Thompson Mill, Valley Falls, NY

Read #	Result	RTA Present	-->RoomChoice	Structure	-->Member	Substrate	Wall	Lead (mg/cm ²)	Mode
1152	Negative	Off	Building			Brick	B	0.1 mg/cm ²	Action Level
1153	Negative	Off	Building			Brick	B	0.0 mg/cm ²	Action Level
1154	Positive	Off	Building	Window	Frame	Wood	A	1.0 mg/cm ²	Action Level
1155	Negative	Off	Building			Brick	A	0.3 mg/cm ²	Action Level
1156	Negative	Off	Building			Wood	A	0.0 mg/cm ²	Action Level
1157	Negative	Off	Building			Brick	C	0.2 mg/cm ²	Action Level
1158	Negative	Off	Building			Wood	C	-0.3 mg/cm ²	Action Level
1159	Positive	Off	Building	Window	Header	Wood	B	18.2 mg/cm ²	Action Level
1160	Negative	Off	Building			Metal	B	0.3 mg/cm ²	Action Level

----- END OF READINGS -----



Thompson Mill- Lead Report- Distribution

Ambient Environmental
828 Washington Ave
Albany, NY 12203

INSPECTION DATE: 10/2/2019 - 10/2/2019

REPORT NUMBER: 190920AD

INSTRUMENT TYPE: Heuresis Corp.
Pb200i XRF Lead Paint Analyzer
2327

ACTION LEVEL: 1.0 mg/cm²

STATEMENT: Lead Report

Thompson Mill- Lead Report- Distribution

Inspection Date: 10/2/2019 - 10/2/2019 Inspection Site: Thompson Mill, Valley Falls, NY
 Report Date: 10/24/2019
 Abatement Level: 1.0 mg/cm²
 Report Number: 190920AD
 Total Reading Sets: 9
 Job Started: 10/02/2019 09:57:16
 Job Ended: 10/02/2019 11:32:09

----- Structure Distribution -----

-->RoomChoice	Total	Positive	Negative
Building	7	0 <0%>	7 <100%>
Building Frame	1	1 <100%>	0 <0%>
Building Header	1	1 <100%>	0 <0%>
Inspection Totals:	9	2	7

----- END OF READINGS -----

ATTACHMENT C
PCB & LEAD PAINT CHIP LABORATORY ANALYSIS REPORT WITH
CHAIN OF CUSTODY DOCUMENTATION

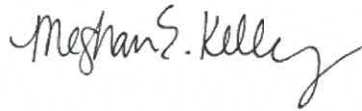
October 15, 2019

Cailyn Locci
Weston & Sampson - Albany, NY
1 Winners Circle, Suite 130
Albany, NY 12205

Project Location: Thompson's Mill
Client Job Number:
Project Number: N2180061
Laboratory Work Order Number: 19J0328

Enclosed are results of analyses for samples received by the laboratory on October 4, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

Table of Contents

Sample Summary	3
Case Narrative	4
Sample Results	5
19J0328-01	5
19J0328-02	6
19J0328-03	7
19J0328-04	8
19J0328-05	9
Sample Preparation Information	10
QC Data	11
Polychlorinated Biphenyls with 3540 Soxhlet Extraction	11
B242692	11
Metals Analyses (Total)	12
B243118	12
Dual Column RPD Report	13
Flag/Qualifier Summary	18
Certifications	19
Chain of Custody/Sample Receipt	20



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

Weston & Sampson - Albany, NY
1 Winners Circle, Suite 130
Albany, NY 12205
ATTN: Cailyn Locci

REPORT DATE: 10/15/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: N2180061

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19J0328

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Thompson's Mill

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Lead-01	19J0328-01	Paint	White window paint front	SW-846 6010C Modified	
Lead-02	19J0328-02	Paint	White window paint S	SW-846 6010C Modified	
PCB-01	19J0328-03	Caulk	Residual white caulk	SW-846 8082A	
PCB-02	19J0328-04	Caulk	White window caulk	SW-846 8082A	
PCB-03	19J0328-05	Caulk	Gray stone windowsill joint caulk	SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 6010C Modified

Qualifications:

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.

Analyte & Samples(s) Qualified:

Lead

B243118-BSD1

SW-846 8082A

Qualifications:

O-04

Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.

Analyte & Samples(s) Qualified:

Aroclor-1254

19J0328-04[PCB-02]

Aroclor-1254 [2C]

19J0328-05[PCB-03]

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.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl

19J0328-05[PCB-03]

Decachlorobiphenyl [2C]

19J0328-05[PCB-03]

Tetrachloro-m-xylene

19J0328-05[PCB-03]

Tetrachloro-m-xylene [2C]

19J0328-05[PCB-03]

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.



Lisa A. Worthington
Technical Representative



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

Project Location: Thompson's Mill

Sample Description: White window paint front

Work Order: 19J0328

Date Received: 10/4/2019

Field Sample #: Lead-01

Sampled: 10/2/2019 11:00

Sample ID: 19J0328-01

Sample Matrix: Paint

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	31000	130	mg/Kg	5		SW-846 6010C Modified	10/14/19	10/15/19 12:51	TBC/MJH



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

Project Location: Thompson's Mill

Sample Description: White window paint S

Work Order: 19J0328

Date Received: 10/4/2019

Field Sample #: Lead-02

Sampled: 10/2/2019 11:00

Sample ID: 19J0328-02

Sample Matrix: Paint

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	230000	250	mg/Kg	10		SW-846 6010C Modified	10/14/19	10/15/19 12:55	TBC/MJH

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

Project Location: Thompson's Mill

Sample Description: Residual white caulk

Work Order: 19J0328

Date Received: 10/4/2019

Field Sample #: PCB-01

Sampled: 10/2/2019 11:00

Sample ID: 19J0328-03

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	0.035	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 12:53	TG
Aroclor-1221 [1]	ND	0.78	0.059	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 12:53	TG
Aroclor-1232 [1]	ND	0.78	0.070	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 12:53	TG
Aroclor-1242 [1]	ND	0.78	0.059	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 12:53	TG
Aroclor-1248 [1]	ND	0.78	0.027	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 12:53	TG
Aroclor-1254 [1]	0.53	0.78	0.031	mg/Kg	4	J	SW-846 8082A	10/9/19	10/11/19 12:53	TG
Aroclor-1260 [1]	ND	0.78	0.043	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 12:53	TG
Aroclor-1262 [1]	ND	0.78	0.039	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 12:53	TG
Aroclor-1268 [1]	ND	0.78	0.063	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 12:53	TG
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	102		30-150						10/11/19 12:53	
Decachlorobiphenyl [2]	92.4		30-150						10/11/19 12:53	
Tetrachloro-m-xylene [1]	103		30-150						10/11/19 12:53	
Tetrachloro-m-xylene [2]	92.6		30-150						10/11/19 12:53	

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Project Location: Thompson's Mill

Sample Description: White window caulk

Work Order: 19J0328

Date Received: 10/4/2019

Field Sample #: PCB-02

Sampled: 10/2/2019 11:00

Sample ID: 19J0328-04

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	0.036	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 13:11	TG
Aroclor-1221 [1]	ND	0.79	0.059	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 13:11	TG
Aroclor-1232 [1]	ND	0.79	0.071	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 13:11	TG
Aroclor-1242 [1]	ND	0.79	0.059	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 13:11	TG
Aroclor-1248 [1]	ND	0.79	0.028	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 13:11	TG
Aroclor-1254 [1]	0.27	0.79	0.032	mg/Kg	4	O-04, J	SW-846 8082A	10/9/19	10/11/19 13:11	TG
Aroclor-1260 [1]	ND	0.79	0.043	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 13:11	TG
Aroclor-1262 [1]	ND	0.79	0.039	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 13:11	TG
Aroclor-1268 [1]	ND	0.79	0.063	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 13:11	TG
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	95.4		30-150						10/11/19 13:11	
Decachlorobiphenyl [2]	85.8		30-150						10/11/19 13:11	
Tetrachloro-m-xylene [1]	95.2		30-150						10/11/19 13:11	
Tetrachloro-m-xylene [2]	84.6		30-150						10/11/19 13:11	

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

Project Location: Thompson's Mill

Sample Description: Gray stone windowsill joint caulk

Work Order: 19J0328

Date Received: 10/4/2019

Field Sample #: PCB-03

Sampled: 10/2/2019 11:00

Sample ID: 19J0328-05

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.8	0.44	mg/Kg	50		SW-846 8082A	10/9/19	10/11/19 13:29	TG
Aroclor-1221 [1]	ND	9.8	0.73	mg/Kg	50		SW-846 8082A	10/9/19	10/11/19 13:29	TG
Aroclor-1232 [1]	ND	9.8	0.88	mg/Kg	50		SW-846 8082A	10/9/19	10/11/19 13:29	TG
Aroclor-1242 [1]	ND	9.8	0.73	mg/Kg	50		SW-846 8082A	10/9/19	10/11/19 13:29	TG
Aroclor-1248 [1]	ND	9.8	0.34	mg/Kg	50		SW-846 8082A	10/9/19	10/11/19 13:29	TG
Aroclor-1254 [2]	100	9.8	0.39	mg/Kg	50	O-04	SW-846 8082A	10/9/19	10/11/19 13:29	TG
Aroclor-1260 [1]	ND	9.8	0.54	mg/Kg	50		SW-846 8082A	10/9/19	10/11/19 13:29	TG
Aroclor-1262 [1]	ND	9.8	0.49	mg/Kg	50		SW-846 8082A	10/9/19	10/11/19 13:29	TG
Aroclor-1268 [1]	ND	9.8	0.78	mg/Kg	50		SW-846 8082A	10/9/19	10/11/19 13:29	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		*	30-150			S-01			10/11/19 13:29	
Decachlorobiphenyl [2]		*	30-150			S-01			10/11/19 13:29	
Tetrachloro-m-xylene [1]		*	30-150			S-01			10/11/19 13:29	
Tetrachloro-m-xylene [2]		*	30-150			S-01			10/11/19 13:29	

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Sample Extraction Data

Prep Method: SW-846 3050B-SW-846 6010C Modified

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19J0328-01 [Lead-01]	B243118	0.0496	25.0	10/14/19
19J0328-02 [Lead-02]	B243118	0.0497	25.0	10/14/19

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19J0328-03 [PCB-01]	B242692	0.512	10.0	10/09/19
19J0328-04 [PCB-02]	B242692	0.507	10.0	10/09/19
19J0328-05 [PCB-03]	B242692	0.511	10.0	10/09/19

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B242692 - SW-846 3540C										
Blank (B242692-BLK1)										
Prepared: 10/09/19 Analyzed: 10/11/19										
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	4.26		mg/Kg	3.96		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.34		mg/Kg	3.96		84.3	30-150			
Surrogate: Tetrachloro-m-xylene	4.18		mg/Kg	3.96		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.79		mg/Kg	3.96		95.7	30-150			
LCS (B242692-BS1)										
Prepared: 10/09/19 Analyzed: 10/11/19										
Aroclor-1016	3.8	0.20	mg/Kg	3.91		97.7	40-140			
Aroclor-1016 [2C]	3.2	0.20	mg/Kg	3.91		80.5	40-140			
Aroclor-1260	3.4	0.20	mg/Kg	3.91		86.1	40-140			
Aroclor-1260 [2C]	3.1	0.20	mg/Kg	3.91		78.5	40-140			
Surrogate: Decachlorobiphenyl	4.29		mg/Kg	3.91		110	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.51		mg/Kg	3.91		89.7	30-150			
Surrogate: Tetrachloro-m-xylene	4.25		mg/Kg	3.91		109	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.81		mg/Kg	3.91		97.4	30-150			
LCS Dup (B242692-BSD1)										
Prepared: 10/09/19 Analyzed: 10/11/19										
Aroclor-1016	3.6	0.19	mg/Kg	3.85		93.9	40-140	5.59	30	
Aroclor-1016 [2C]	3.0	0.19	mg/Kg	3.85		79.1	40-140	3.33	30	
Aroclor-1260	3.2	0.19	mg/Kg	3.85		83.1	40-140	5.13	30	
Aroclor-1260 [2C]	2.9	0.19	mg/Kg	3.85		75.8	40-140	5.06	30	
Surrogate: Decachlorobiphenyl	4.13		mg/Kg	3.85		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.48		mg/Kg	3.85		90.2	30-150			
Surrogate: Tetrachloro-m-xylene	3.98		mg/Kg	3.85		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.55		mg/Kg	3.85		92.2	30-150			

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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 B243118 - SW-846 3050B										
Blank (B243118-BLK1)										
Prepared & Analyzed: 10/14/19										
Lead	ND	25	mg/Kg							
LCS (B243118-BS1)										
Prepared & Analyzed: 10/14/19										
Lead	6990	25	mg/Kg	6870		102	82.3-117.1			
LCS Dup (B243118-BSD1)										
Prepared & Analyzed: 10/14/19										
Lead	9310	25	mg/Kg	6870		136	* 82.3-117.1	28.5	30	L-07
MRL Check (B243118-MRL1)										
Prepared & Analyzed: 10/14/19										
Lead	25.1	25	mg/Kg	25.2		99.8	80-120			



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

PCB-01

SW-846 8082A

Lab Sample ID: 19J0328-03 Date(s) Analyzed: 10/11/2019 10/11/2019

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.53	
	2	0.000	0.000	0.000	0.47	12.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

PCB-02

Lab Sample ID: 19J0328-04 Date(s) Analyzed: 10/11/2019 10/11/2019
 Instrument ID (1): ECD3 Instrument ID (2): ECD3
 GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.27	
	2	0.000	0.000	0.000	0.27	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

PCB-03

Lab Sample ID: 19J0328-05 Date(s) Analyzed: 10/11/2019 10/11/2019
 Instrument ID (1): ECD3 Instrument ID (2): ECD3
 GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	89	
	2	0.000	0.000	0.000	100	11.6

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B242692-BS1 Date(s) Analyzed: 10/11/2019 10/11/2019
Instrument ID (1): ECD3 Instrument ID (2): ECD3
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	3.8	
	2	0.000	0.000	0.000	3.2	17.1
Aroclor-1260	1	0.000	0.000	0.000	3.4	
	2	0.000	0.000	0.000	3.1	9.2



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

SW-846 8082A

LCS Dup

Lab Sample ID: B242692-BSD1 Date(s) Analyzed: 10/11/2019 10/11/2019

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	3.6	
	2	0.000	0.000	0.000	3.0	18.2
Aroclor-1260	1	0.000	0.000	0.000	3.2	
	2	0.000	0.000	0.000	2.9	9.8



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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
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant 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.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
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.
O-04	Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 6010C Modified in Paint</i>	
Lead	AIHA,ME,CT,NY
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1262	NY,NC,VA,PA
Aroclor-1262 [2C]	NY,NC,VA,PA
Aroclor-1268	NY,NC,VA,PA
Aroclor-1268 [2C]	NY,NC,VA,PA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2020
CT	Connecticut Department of Public Health	PH-0567	09/30/2021
NY	New York State Department of Health	10899 NELAP	04/1/2020
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2020
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2020
FL	Florida Department of Health	E871027 NELAP	06/30/2020
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2020
ME	State of Maine	2011028	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2020
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2020
NC-DW	North Carolina Department of Health	25703	07/31/2020
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2020



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ME IL 19J0328

Company Name: WILMERS CIRCLE SUITE 130 ALBANY NY
 Address: 518 4634125
 Phone: THOMPSONS MILL
 Project Name: N2180042
 Project Location: SARAH DESTEFANO
 Project Number: SARAH DESTEFANO
 Project Manager: SARAH DESTEFANO
 Con-Test Quote Name/Number: Nathan Mastenbeck
 Invoice Recipient: SARAH DESTEFANO
 Sampled By: Nathan Mastenbeck

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD (New York)

39 Spruce Street
 East Longmeadow, MA 01028

Doc # 380 Rev 1_03242017

Page 7 of 7

Client Sample ID / Description	Requiring Party / Time	Binding Date / Time	Compos. Sub	Matrix Code	Conc. Unit
1 Lead-01 - White window paint	10/2/19	11:00	✓	SOL	✓
2 Lead-02 - White window paint	10/2/19	11:00	✓	SOL	✓
3 PCB-01 - Residual white caulk	10/2/19	11:00	✓	SOL	✓
4 PCB-02 - White window caulk	10/2/19	11:00	✓	SOL	✓
5 PCB-03 - Gray window joint caulk	10/2/19	11:00	✓	SOL	✓

Lead up lead PCB 8082

Comments: **-01 & -02 being run for total Pb - MEK 10/10/19**

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (Signature) [Signature] Date/Time: 10/13/19 6:25
 Received by: (Signature) [Signature] Date/Time: 10/19 8:15 AM
 Relinquished by: (Signature) [Signature] Date/Time: 10/4/19 11:55 AM
 Received by: (Signature) [Signature] Date/Time: 10/4/19 16:40
 Relinquished by: (Signature) [Signature] Date/Time: 10/4/19
 Received by: (Signature) [Signature] Date/Time: 10/4/19

Request: 7-Day 10-Day 3-Day 4-Day

Rush-Approval Required: 3-Day 4-Day

Data Delivery: PDF EXCEL

CLP Like Data Pkg Required:

Email To: _____

Fax To #: _____

Program & Regulatory Information:
 AMQ STDS NY TOGS
 NYC Sewer Discharge NY CP-51
 Part 360 GW (Landfill)
 NY Restricted Use
 NY Unrestricted Use
 NY Part 375

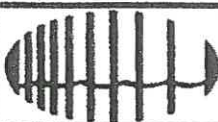
Deliverables:
 Enhanced Data Package
 NYSEDEC EQuIS EDD
 EQuIS (Standard) EDD
 NY Regulatory EDD
 NY Regs Hits-Only EDD

Other: Category B Package

Project Entity:
 Government Municipality MWRA WRTA
 Federal 21 J School Chromatogram
 City Brownfield MBTA AIHA-LAP, LLC

PCB ONLY:
 Soxhlet Non Soxhlet

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples _____



con-test
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client NA

Received By SA Date 10/4/19 Time 11:10

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # _____ Actual Temp - 2.1
 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA
 Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent Information? Client F Analysis T Sampler Name T
 Project F ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____
 Are there Rushes? F Who was notified? _____
 Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? NA MS/MSD? F
 Proper Media/Containers Used? T Is splitting samples required? F
 Were trip blanks received? F On COC? F

Do all samples have the proper pH? Acid NA Base NA

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Flashpoint		Col./Bacteria	2oz Amb/Clear
DI-		Other Glass		Other Plastic	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Containers	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:

* missing client name on COC
 missing project name on COC

ATTACHMENT D
SAMPLE AND HAZARDOUS MATERIAL LOCATION DRAWINGS



Ambient Environmental, Inc.
 Comprehensive Building Sciences Solutions
 828 Washington Ave., Albany, NY 12203
 PH: 518-482-0704 | FX: 518-482-0750

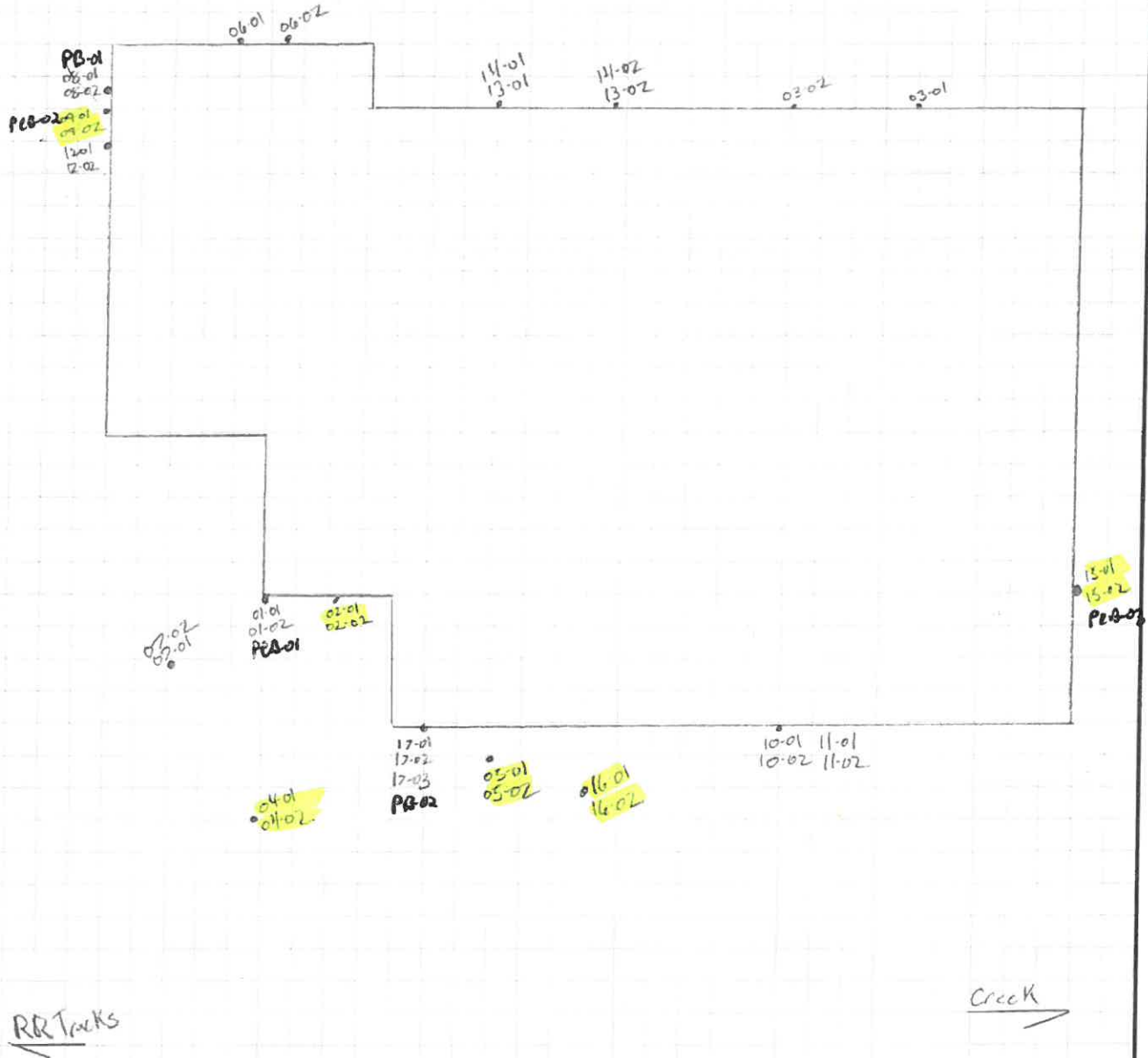
PROJECT NUMBER 190920AD

SHEET _____ OF _____

DATE 10-2-19

PHASE ASB/PGB SLM DWG

PROJECT Thompson Mill Valley Falls



XX-XX = Positive Asbestos Sample

Please refer to the assumptions and limitations section of the report.



Ambient Environmental, Inc.
 Building Science and EHS Solutions
 828 Washington Ave., Albany, NY 12203
 PH: 518-482-0704 | FX: 518-482-0750

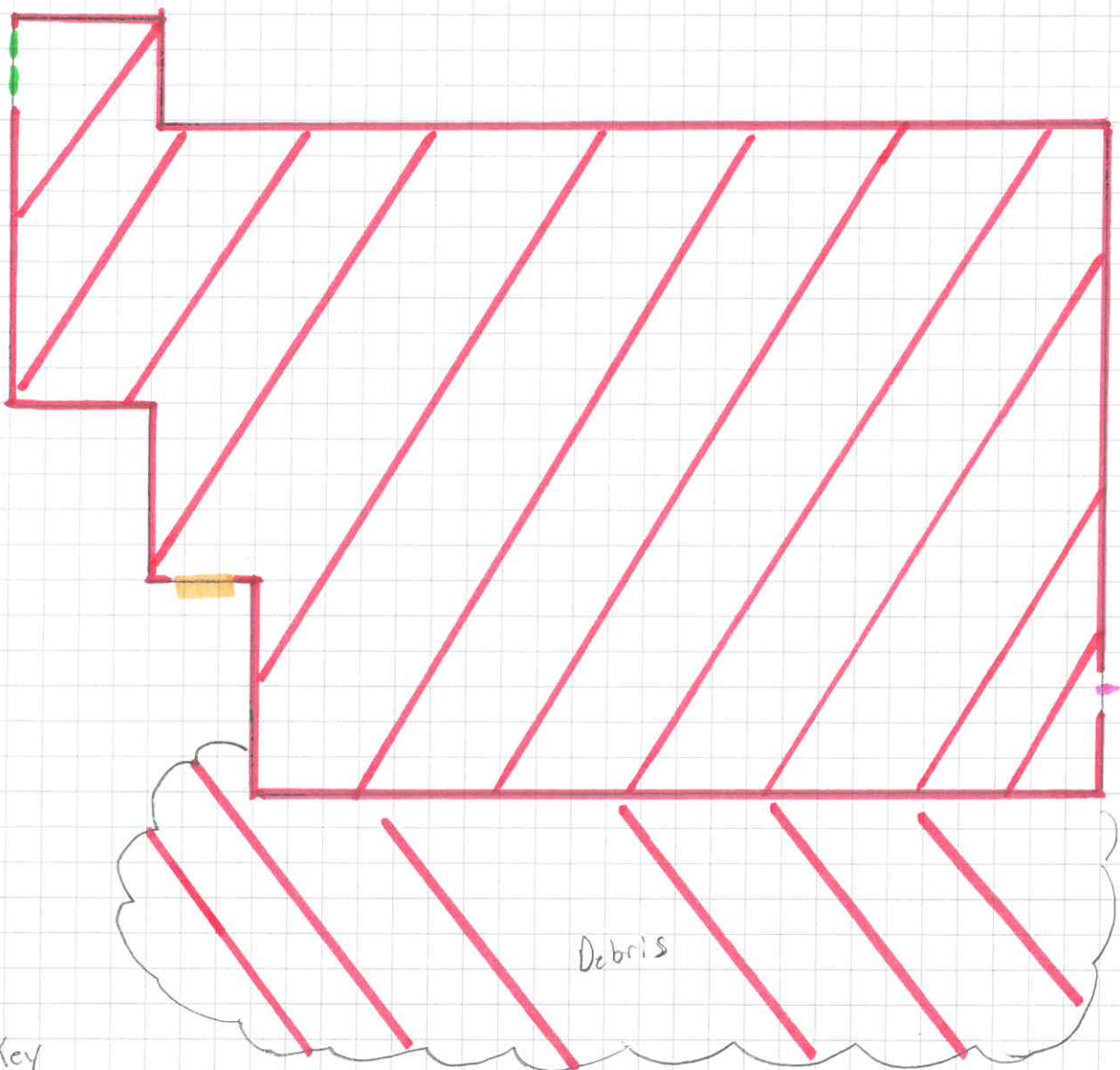
PROJECT NUMBER 190 920AD

SHEET 1 OF 1

DATE 10-2-19

PHASE Materials Loc DWG

PROJECT Thompson Mill Valley Falls



Key

- = White Window Frame Caulk
- = Residual Black Tar
- = Gray Stone Joint + Caulk
- = Roofing Debris (BLDG Was unsafe for entry & Roof has curved in)
 & Other Assumed ACM BLDG Debris

Please refer to the assumptions and limitations section of the report.



Ambient Environmental, Inc.
Comprehensive Building Sciences Solutions
828 Washington Ave., Albany, NY 12203
PH: 518-482-0704 | FX: 518-482-0750

PROJECT NUMBER 190920AD

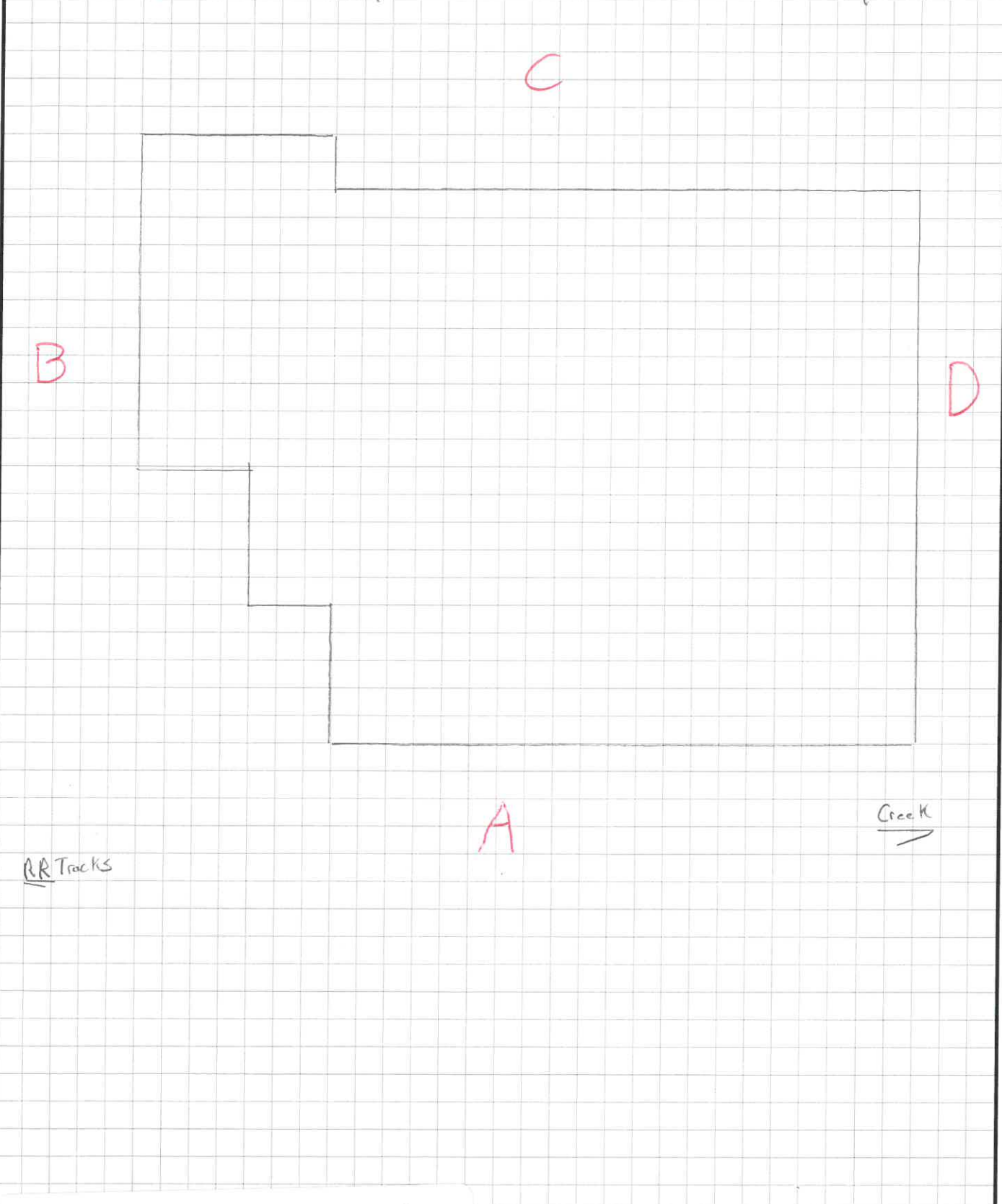
SHEET 1 OF 1

DATE 10-2-19

PHASE Lead Map

PROJECT

Thompson Mill Valley Falls



Please refer to the assumptions and limitations section of the report.

ATTACHMENT E
PHOTOGRAPHIC DOCUMENTATION



Ambient Environmental, Inc.

Building Science and EHS Solutions

NYS Certified WBE,
SBA EDWOSB & DBE

PHOTO LOG

Ambient Project #190920AD

Thompson Mill Site

Thompson Mill, Valley Falls, N.Y.

Weston & Sampson

October 2nd, 2019



Photograph 1 – 02-01 Residual Black Tar



Photograph 2 – 04-01 Black Vapor Barrier Debris



Photograph 3 – 05-01 Black Tar Roofing Material Debris



Ambient Environmental, Inc.

Building Science and EHS Solutions

NYS Certified WBE,
SBA EDWOSB & DBE

PHOTO LOG

Ambient Project #190920AD

Thompson Mill Site

Thompson Mill, Valley Falls, N.Y.

Weston & Sampson

October 2nd, 2019



Photograph 4 – 09-01 White Window Frame
Caulk



Photograph 5 – 15-01 Gray Stone Joint Caulk



Photograph 6 – 16-01 Black Asphalt Roofing
Material Debris

ATTACHMENT F
COMPANY, INSPECTOR AND LABORATORY ACCREDITATION
AND LICENSES

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Ambient Environmental, Inc.
828 Washington Avenue
Albany, NY 12203

FILE NUMBER: 06-0549
LICENSE NUMBER: 29608
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 07/12/2019
EXPIRATION DATE: 07/31/2020

Duly Authorized Representative – Joella Viscusi:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Director
For the Commissioner of Labor



Ambient Environmental, Inc.

Comprehensive Building Science Solutions

NYS Certified WBE,
SBA EDWOSB & DBE

From: Davis, Jamon (ESD) [mailto:Jamon.Davis@esd.ny.gov]
Sent: Thursday, April 19, 2018 12:07 PM
To: Michelle Bissonette <michelleb@ambient-env.com>
Subject: Ambient Environmental, Inc.

To Whom It May Concern;

Please note that **Ambient Environmental, Inc.** applied for Certification on **12/4/2017**. Their current Certification is **still pending** until **the final decision is made**. Due to our re-certification policy, their certification remains active. If his/her certification is approved they will remain in our database as active and can continue to conduct business as usual. To check their active status please go to our website at <https://ny.newnycontracts.com>; click the **SEARCH THE DIRECTORY** button and input the name of their business. The firm's status will appear at the **bottom of the page**. If you see the business name at the bottom of the page, this means it is **active**. Please feel free to contact the **MWBE Help Desk at 212-803-2414**, if you should need further assistance.

Best regards,

Jamon Davis

JAMON DAVIS
Certifications Specialist
633 3rd Avenue New York, NY 11017
[Website](#) [Email](#)

IMPORTANT: This e-mail message and any attachments contain information intended for the exclusive use of the individual(s) or entity to whom it is addressed and may contain information that is proprietary, privileged, confidential and/or exempt from disclosure under applicable law. If you are not the intended recipient, you are hereby notified that any viewing, copying, disclosure or distribution of this information may be subject to legal restriction or sanction. Please immediately notify the sender by electronic mail or notify the System Administrator by telephone (518)292-5180 or e-mail (administrator@esd.ny.gov) and delete the message. Thank you.

Empire State Development

December 10, 2014

File ID: 50943

Ms. Joella Viscusi
Ambient Environmental Inc.
12 Colvin Avenue
Albany, NY 12206

Dear Ms. Joella Viscusi:

The New York State Department of Economic Development, Division of Minority and Women's Business Development (DMWBD) has determined that your firm, Ambient Environmental Inc., continues to meet eligibility requirements for re-certification, pursuant to Executive Law, Article 15-A and 5NYCRR Section 140 through 145 of the Regulations.

Therefore, we are pleased to inform you that your firm, has once again, been granted status as a **Women Business Enterprise (WBE)**. Your business will continue to be listed in the State's Directory of Certified Businesses with codes listed on the following page.

This Certification remains in effect for a period of generally three (3) years from the date of this letter or until such time as you are selected again, by this office for re-certification. Any changes in your company that affect ownership, managerial and/or operational control, must be reported to this Office within thirty (30) days of such changes; including changes to company name, business address, telephone numbers, principal products/services and bonding capacity.

The Certification status is not intended to imply that New York State guarantees your company's capability to perform on contracts, nor does it imply that your company is guaranteed any State business.

Thank you for your cooperation. On behalf of the State of New York, I wish you luck in your business endeavors, particularly those involving State agencies.

Sincerely,



Bette Yee
Director of Certification Operations

Empire State Development

New York State Department of Economic Development
633 Third Avenue New York New York 10017 Tel 212 803 2414
Web Site: www.esd.ny.gov/MWBE/html

December 10, 2014

File ID: 50943

Ms. Joella Viscusi
Ambient Environmental Inc.
12 Colvin Avenue
Albany, NY 12206

Ambient Environmental Inc. will be listed in the State's Directory of Certified Businesses with the following list of codes for products and services:

- ESD-C-0029: ASBESTOS REMOVAL
- ESD-I-0246: ENVIRONMENTAL CONSULTANTS
- ESD-I-1072: ASBESTOS ABATEMENT & COMPLIANCE
- ESD-I-2070: ASBESTOS ABATEMENT PLANS & COMPLIANCE
- ESD-I-2072: LEAD PAINT ABATEMENT PLANS & COMPLIANCE
- ESD-I-2429: LEAD INSPECTION & RISK ASSESSMENT
- NAICS-562910: ASBESTOS ABATEMENT SERVICES
- NAICS-562910: ASBESTOS REMOVAL CONTRACTORS



STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
ALBANY, N.Y. 12232
www.nysdot.gov

JOAN McDONALD
COMMISSIONER

ANDREW M. CUOMO
GOVERNOR

MAR 27 2013
Ms. Joella Viscusi, President
Ambient Environmental, Inc.
12 Colvin Avenue
Albany, NY 12206

Re: DBE CERTIFICATION NOTICE

Dear Ms. Viscusi:

The New York State Department of Transportation (NYSDOT), a Certifying Partner in the New York State Unified Certification Program (NYSUCP), is pleased to inform you that your firm meets the eligibility criteria established by the U.S. Department of Transportation Disadvantaged Business Enterprises regulation, codified at 49 CFR, Part 26, and has been **CERTIFIED** as a Disadvantaged Business Enterprise (DBE) with the NYSUCP. Your firm is certified to provide the services listed below:

Area of Service: Environmental & Sanitation Consulting Services

NAICS:

541620 Environmental Consulting Services

NYSDOT Codes:

080B Air Quality
080E Noise
080H Hazardous Waste/Asbestos/Lead

Your firm is eligible to participate as a DBE on NYSDOT, Metropolitan Transportation Authority, Port Authority of New York and New Jersey and Niagara Frontier Transportation Authority federally assisted projects in the identified service areas.

Your firm's certification status with the NYSUCP will remain effective for as long as your firm continues to meet all DBE certification eligibility requirements and the ownership and control of the firm, upon which DBE certification was granted, has not changed. However, you are required to submit, annually, on the anniversary date of this notice, a sworn affidavit affirming that there have been no changes in your firm's economic disadvantaged status,

ownership or control. In the event that there are changes, please be advised that you are required to notify the NYSDOT, within 30 days, of any changes in your business' ownership, control and/or operations including address, telephone number, business services and capabilities. Failure to adhere to these requirements may result in the removal of DBE certification.

Your firm will be included in the NYSUCP Directory (<http://biznet.nysucp.net>) which will indicate the type of work that your firm has been certified to perform.

Please note that any of the Certifying Partners of the NYSUCP reserves the right to review your firm's certification eligibility prior to your firm's participation on a federally assisted project for their agency or at any time that it is determined that such reevaluation is warranted.

As a newly certified DBE highway and bridge construction contractor, you are eligible to receive a free one-year subscription to Bid Express (Bid-X). Bid-X is a Web-based subscription service that provides for the electronic submission of contract bids by contractors for NYSDOT contracts. To learn more about the features and benefits of Bid-X, please contact NYSDOT Office of Civil Rights at OCR-SBN@dot.state.ny.us.

Furthermore, as a newly certified DBE you should be aware that the U.S. Small Business Administration (SBA) can guarantee bonds for contracts up to \$2 million, covering bid, performance and payment bonds for small and emerging contractors who cannot obtain surety bonds through regular commercial channels. To learn more about the Surety Bond Guarantee Program, please call 800-U-ASK-SBA (800-827-5722) or visit <http://www.sba.gov/index.html>.

We are pleased to have you as a participant in the NYSUCP and wish you much success.

Should you have any questions, please email Lory.Smitka@dot.ny.gov, or call (518) 457-3180.

Sincerely,

Lory Smitka
Lory Smitka
Compliance Specialist I
DBE Certification
Office of Audit



Ambient Environmental, Inc.

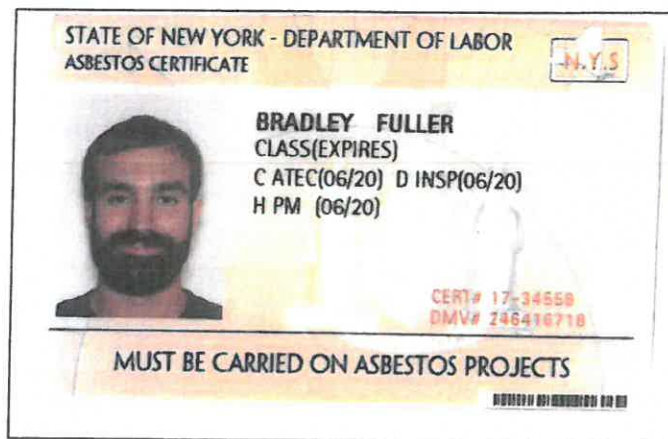
Building Science and EHS Solutions

NYS Certified WBE,
SBA EDWOSB & DBE

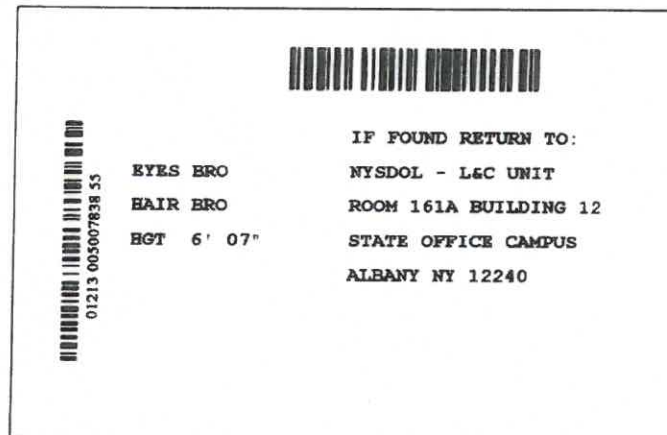
**AMBIENT ENVIRONMENTAL, INC.
NEW YORK STATE DEPARTMENT OF LABOR
ASBESTOS LICENSE**

Bradley Fuller

Front of License



Back of License



Codes:

- | | |
|------------------------------------|-------------------------------|
| A- Asbestos Handler | F- Operations and Maintenance |
| B- Restricted Handler | G- Supervisor |
| C- Project Air Sampling Technician | H- Project Monitor |
| D- Inspector - R III | I- Project Designer |
| E- Management Planner | J- Allied Trades |



Ambient Environmental, Inc.

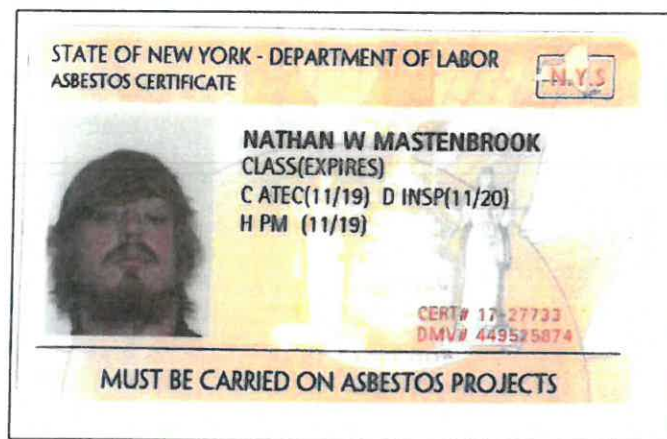
Building Science and EHS Solutions

NYS Certified WBE,
SBA EDWOSB & DBE

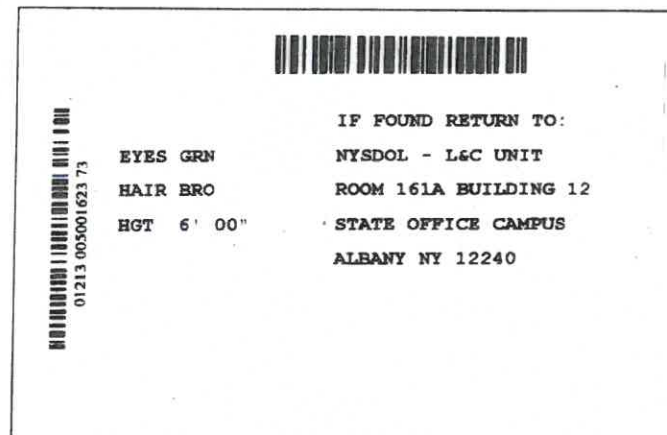
**AMBIENT ENVIRONMENTAL, INC.
NEW YORK STATE DEPARTMENT OF LABOR
ASBESTOS LICENSE**

Nathan Mastenbrook

Front of License



Back of License



Codes:

- | | |
|------------------------------------|-------------------------------|
| A- Asbestos Handler | F- Operations and Maintenance |
| B- Restricted Handler | G- Supervisor |
| C- Project Air Sampling Technician | H- Project Monitor |
| D- Inspector – R III | I- Project Designer |
| E- Management Planner | J- Allied Trades |

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2020
Issued April 01, 2019

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE
Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. J PETER DONATO
EMSL ANALYTICAL, INC.
2975 BRIGHTON HENRIETTA TOWN LINE RD, BLDG. 100,
SUITE 130
ROCHESTER, NY 14623

NY Lab Id No: 12088

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual

Serial No.: 60074

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-6570 to verify the laboratory's accreditation status.

APPENDIX F
Laboratory Analytical Reports

October 15, 2019

Cailyn Locci
Weston & Sampson - Albany, NY
1 Winners Circle, Suite 130
Albany, NY 12205

Project Location: Thompson's Mill
Client Job Number:
Project Number: N2180061
Laboratory Work Order Number: 19J0328

Enclosed are results of analyses for samples received by the laboratory on October 4, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, sweeping 'y' at the end.

Meghan E. Kelley
Project Manager

Table of Contents

Sample Summary	3
Case Narrative	4
Sample Results	5
19J0328-01	5
19J0328-02	6
19J0328-03	7
19J0328-04	8
19J0328-05	9
Sample Preparation Information	10
QC Data	11
Polychlorinated Biphenyls with 3540 Soxhlet Extraction	11
B242692	11
Metals Analyses (Total)	12
B243118	12
Dual Column RPD Report	13
Flag/Qualifier Summary	18
Certifications	19
Chain of Custody/Sample Receipt	20

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

Weston & Sampson - Albany, NY
 1 Winners Circle, Suite 130
 Albany, NY 12205
 ATTN: Cailyn Locci

REPORT DATE: 10/15/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: N2180061

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19J0328

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Thompson's Mill

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Lead-01	19J0328-01	Paint	White window paint front	SW-846 6010C Modified	
Lead-02	19J0328-02	Paint	White window paint S	SW-846 6010C Modified	
PCB-01	19J0328-03	Caulk	Residual white caulk	SW-846 8082A	
PCB-02	19J0328-04	Caulk	White window caulk	SW-846 8082A	
PCB-03	19J0328-05	Caulk	Gray stone windowsill joint caulk	SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 6010C Modified**Qualifications:****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.

Analyte & Samples(s) Qualified:**Lead**

B243118-BSD1

SW-846 8082A**Qualifications:****O-04**

Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.

Analyte & Samples(s) Qualified:**Aroclor-1254**

19J0328-04[PCB-02]

Aroclor-1254 [2C]

19J0328-05[PCB-03]

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.

Analyte & Samples(s) Qualified:**Decachlorobiphenyl**

19J0328-05[PCB-03]

Decachlorobiphenyl [2C]

19J0328-05[PCB-03]

Tetrachloro-m-xylene

19J0328-05[PCB-03]

Tetrachloro-m-xylene [2C]

19J0328-05[PCB-03]

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.



Lisa A. Worthington

Technical Representative

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

Project Location: Thompson's Mill

Sample Description: White window paint front

Work Order: 19J0328

Date Received: 10/4/2019

Sampled: 10/2/2019 11:00

Field Sample #: Lead-01

Sample ID: 19J0328-01

Sample Matrix: Paint

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	31000	130	mg/Kg	5		SW-846 6010C Modified	10/14/19	10/15/19 12:51	TBC/MJH

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

Project Location: Thompson's Mill

Sample Description: White window paint S

Work Order: 19J0328

Date Received: 10/4/2019

Sampled: 10/2/2019 11:00

Field Sample #: Lead-02

Sample ID: 19J0328-02

Sample Matrix: Paint

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	230000	250	mg/Kg	10		SW-846 6010C Modified	10/14/19	10/15/19 12:55	TBC/MJH

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

Project Location: Thompson's Mill

Sample Description: Residual white caulk

Work Order: 19J0328

Date Received: 10/4/2019

Sampled: 10/2/2019 11:00

Field Sample #: PCB-01

Sample ID: 19J0328-03

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	0.035	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 12:53	TG
Aroclor-1221 [1]	ND	0.78	0.059	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 12:53	TG
Aroclor-1232 [1]	ND	0.78	0.070	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 12:53	TG
Aroclor-1242 [1]	ND	0.78	0.059	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 12:53	TG
Aroclor-1248 [1]	ND	0.78	0.027	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 12:53	TG
Aroclor-1254 [1]	0.53	0.78	0.031	mg/Kg	4	J	SW-846 8082A	10/9/19	10/11/19 12:53	TG
Aroclor-1260 [1]	ND	0.78	0.043	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 12:53	TG
Aroclor-1262 [1]	ND	0.78	0.039	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 12:53	TG
Aroclor-1268 [1]	ND	0.78	0.063	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 12:53	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		102	30-150						10/11/19 12:53	
Decachlorobiphenyl [2]		92.4	30-150						10/11/19 12:53	
Tetrachloro-m-xylene [1]		103	30-150						10/11/19 12:53	
Tetrachloro-m-xylene [2]		92.6	30-150						10/11/19 12:53	

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

Project Location: Thompson's Mill

Sample Description: White window caulk

Work Order: 19J0328

Date Received: 10/4/2019

Field Sample #: PCB-02

Sampled: 10/2/2019 11:00

Sample ID: 19J0328-04

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	0.036	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 13:11	TG
Aroclor-1221 [1]	ND	0.79	0.059	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 13:11	TG
Aroclor-1232 [1]	ND	0.79	0.071	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 13:11	TG
Aroclor-1242 [1]	ND	0.79	0.059	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 13:11	TG
Aroclor-1248 [1]	ND	0.79	0.028	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 13:11	TG
Aroclor-1254 [1]	0.27	0.79	0.032	mg/Kg	4	O-04, J	SW-846 8082A	10/9/19	10/11/19 13:11	TG
Aroclor-1260 [1]	ND	0.79	0.043	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 13:11	TG
Aroclor-1262 [1]	ND	0.79	0.039	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 13:11	TG
Aroclor-1268 [1]	ND	0.79	0.063	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 13:11	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		95.4	30-150						10/11/19 13:11	
Decachlorobiphenyl [2]		85.8	30-150						10/11/19 13:11	
Tetrachloro-m-xylene [1]		95.2	30-150						10/11/19 13:11	
Tetrachloro-m-xylene [2]		84.6	30-150						10/11/19 13:11	

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

Project Location: Thompson's Mill

Sample Description: Gray stone windowsill joint caulk

Work Order: 19J0328

Date Received: 10/4/2019

Field Sample #: PCB-03

Sampled: 10/2/2019 11:00

Sample ID: 19J0328-05

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.8	0.44	mg/Kg	50		SW-846 8082A	10/9/19	10/11/19 13:29	TG
Aroclor-1221 [1]	ND	9.8	0.73	mg/Kg	50		SW-846 8082A	10/9/19	10/11/19 13:29	TG
Aroclor-1232 [1]	ND	9.8	0.88	mg/Kg	50		SW-846 8082A	10/9/19	10/11/19 13:29	TG
Aroclor-1242 [1]	ND	9.8	0.73	mg/Kg	50		SW-846 8082A	10/9/19	10/11/19 13:29	TG
Aroclor-1248 [1]	ND	9.8	0.34	mg/Kg	50		SW-846 8082A	10/9/19	10/11/19 13:29	TG
Aroclor-1254 [2]	100	9.8	0.39	mg/Kg	50	O-04	SW-846 8082A	10/9/19	10/11/19 13:29	TG
Aroclor-1260 [1]	ND	9.8	0.54	mg/Kg	50		SW-846 8082A	10/9/19	10/11/19 13:29	TG
Aroclor-1262 [1]	ND	9.8	0.49	mg/Kg	50		SW-846 8082A	10/9/19	10/11/19 13:29	TG
Aroclor-1268 [1]	ND	9.8	0.78	mg/Kg	50		SW-846 8082A	10/9/19	10/11/19 13:29	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		*	30-150			S-01			10/11/19 13:29	
Decachlorobiphenyl [2]		*	30-150			S-01			10/11/19 13:29	
Tetrachloro-m-xylene [1]		*	30-150			S-01			10/11/19 13:29	
Tetrachloro-m-xylene [2]		*	30-150			S-01			10/11/19 13:29	

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Sample Extraction Data**Prep Method: SW-846 3050B-SW-846 6010C Modified**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19J0328-01 [Lead-01]	B243118	0.0496	25.0	10/14/19
19J0328-02 [Lead-02]	B243118	0.0497	25.0	10/14/19

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19J0328-03 [PCB-01]	B242692	0.512	10.0	10/09/19
19J0328-04 [PCB-02]	B242692	0.507	10.0	10/09/19
19J0328-05 [PCB-03]	B242692	0.511	10.0	10/09/19

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B242692 - SW-846 3540C

Blank (B242692-BLK1)

Prepared: 10/09/19 Analyzed: 10/11/19

Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	4.26		mg/Kg	3.96		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.34		mg/Kg	3.96		84.3	30-150			
Surrogate: Tetrachloro-m-xylene	4.18		mg/Kg	3.96		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.79		mg/Kg	3.96		95.7	30-150			

LCS (B242692-BS1)

Prepared: 10/09/19 Analyzed: 10/11/19

Aroclor-1016	3.8	0.20	mg/Kg	3.91		97.7	40-140			
Aroclor-1016 [2C]	3.2	0.20	mg/Kg	3.91		80.5	40-140			
Aroclor-1260	3.4	0.20	mg/Kg	3.91		86.1	40-140			
Aroclor-1260 [2C]	3.1	0.20	mg/Kg	3.91		78.5	40-140			
Surrogate: Decachlorobiphenyl	4.29		mg/Kg	3.91		110	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.51		mg/Kg	3.91		89.7	30-150			
Surrogate: Tetrachloro-m-xylene	4.25		mg/Kg	3.91		109	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.81		mg/Kg	3.91		97.4	30-150			

LCS Dup (B242692-BSD1)

Prepared: 10/09/19 Analyzed: 10/11/19

Aroclor-1016	3.6	0.19	mg/Kg	3.85		93.9	40-140	5.59	30	
Aroclor-1016 [2C]	3.0	0.19	mg/Kg	3.85		79.1	40-140	3.33	30	
Aroclor-1260	3.2	0.19	mg/Kg	3.85		83.1	40-140	5.13	30	
Aroclor-1260 [2C]	2.9	0.19	mg/Kg	3.85		75.8	40-140	5.06	30	
Surrogate: Decachlorobiphenyl	4.13		mg/Kg	3.85		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	3.48		mg/Kg	3.85		90.2	30-150			
Surrogate: Tetrachloro-m-xylene	3.98		mg/Kg	3.85		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	3.55		mg/Kg	3.85		92.2	30-150			

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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 B243118 - SW-846 3050B										
Blank (B243118-BLK1)										
Prepared & Analyzed: 10/14/19										
Lead	ND	25	mg/Kg							
LCS (B243118-BS1)										
Prepared & Analyzed: 10/14/19										
Lead	6990	25	mg/Kg	6870		102	82.3-117.1			
LCS Dup (B243118-BSD1)										
Prepared & Analyzed: 10/14/19										
Lead	9310	25	mg/Kg	6870		136 *	82.3-117.1	28.5	30	L-07
MRL Check (B243118-MRL1)										
Prepared & Analyzed: 10/14/19										
Lead	25.1	25	mg/Kg	25.2		99.8	80-120			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

PCB-01

SW-846 8082A

Lab Sample ID: 19J0328-03 Date(s) Analyzed: 10/11/2019 10/11/2019

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.53	
	2	0.000	0.000	0.000	0.47	12.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

PCB-02

SW-846 8082A

Lab Sample ID: 19J0328-04 Date(s) Analyzed: 10/11/2019 10/11/2019

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.27	
	2	0.000	0.000	0.000	0.27	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

PCB-03

SW-846 8082A

Lab Sample ID: 19J0328-05 Date(s) Analyzed: 10/11/2019 10/11/2019

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	89	
	2	0.000	0.000	0.000	100	11.6

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B242692-BS1 Date(s) Analyzed: 10/11/2019 10/11/2019

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	3.8	
	2	0.000	0.000	0.000	3.2	17.1
Aroclor-1260	1	0.000	0.000	0.000	3.4	
	2	0.000	0.000	0.000	3.1	9.2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B242692-BSD1 Date(s) Analyzed: 10/11/2019 10/11/2019

Instrument ID (1): ECD3 Instrument ID (2): ECD3

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	3.6	
	2	0.000	0.000	0.000	3.0	18.2
Aroclor-1260	1	0.000	0.000	0.000	3.2	
	2	0.000	0.000	0.000	2.9	9.8

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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
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant 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.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
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.
O-04	Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6010C Modified in Paint	
Lead	AIHA,ME,CT,NY
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1262	NY,NC,VA,PA
Aroclor-1262 [2C]	NY,NC,VA,PA
Aroclor-1268	NY,NC,VA,PA
Aroclor-1268 [2C]	NY,NC,VA,PA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2020
CT	Connecticut Department of Public Health	PH-0567	09/30/2021
NY	New York State Department of Health	10899 NELAP	04/1/2020
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2020
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2020
FL	Florida Department of Health	E871027 NELAP	06/30/2020
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2020
ME	State of Maine	2011028	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2020
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2020
NC-DW	North Carolina Department of Health	25703	07/31/2020
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2020

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples _____



con-test
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client NA

Received By SA Date 10/4/19 Time 11:10

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # _____ Actual Temp - 2.1
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client F Analysis T Sampler Name T
Project F ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F

Are there Rushes? F

Are there Short Holds? F

Is there enough Volume? T

Is there Headspace where applicable? NA

Proper Media/Containers Used? T

Were trip blanks received? F

Do all samples have the proper pH? _____

Who was notified? _____

Who was notified? _____

Who was notified? _____

MS/MSD? F

Is splitting samples required? F

On COC? F

Acid NA

Base NA

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear
DI-		Other Glass		Other Plastic		Encore
Thiosulfate-		SOC Kit		Plastic Bag	<u>B</u>	Frozen:
Sulfuric-		Perchlorate		Ziplock		

Unused Media

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Comments:

* missing client name on COC
missing project name on COC

October 16, 2019

Cailyn Locci
Weston & Sampson - Albany, NY
1 Winners Circle, Suite 130
Albany, NY 12205

Project Location: Thompsons Mill
Client Job Number:
Project Number: N2180042
Laboratory Work Order Number: 19J0330

Enclosed are results of analyses for samples received by the laboratory on October 4, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Meghan E. Kelley". The signature is written in a cursive style with a large, flowing "y" at the end.

Meghan E. Kelley
Project Manager

Table of Contents

Sample Summary	5
Case Narrative	9
Sample Results	14
19J0330-01	14
19J0330-02	22
19J0330-03	29
19J0330-04	36
19J0330-05	43
19J0330-06	50
19J0330-07	60
19J0330-08	67
19J0330-09	77
19J0330-10	84
19J0330-11	91
19J0330-12	101
19J0330-13	111
19J0330-14	118
19J0330-15	125
19J0330-16	132
19J0330-17	138
19J0330-18	145
19J0330-19	152
19J0330-20	159
19J0330-21	166
19J0330-22	173

Table of Contents (continued)

Sample Preparation Information	180
QC Data	184
Volatile Organic Compounds by GC/MS	184
B242469	184
B242520	188
Semivolatile Organic Compounds by GC/MS	194
B242511	194
B242512	202
Organochloride Pesticides by GC/ECD	210
B242909	210
Herbicides by GC/ECD	213
B242514	213
Polychlorinated Biphenyls with 3540 Soxhlet Extraction	215
B242912	215
B243005	216
Metals Analyses (Total)	218
B242954	218
B242991	219
B242992	219
B243002	219
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	221
B242994	221
Pesticides Degradation Report	222
Dual Column RPD Report	224
Flag/Qualifier Summary	237

Table of Contents (continued)

Certifications	238
Chain of Custody/Sample Receipt	247

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Weston & Sampson - Albany, NY
 1 Winners Circle, Suite 130
 Albany, NY 12205
 ATTN: Cailyn Locci

REPORT DATE: 10/16/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: N2180042

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19J0330

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Thompsons Mill

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
DUP 1	19J0330-01	Soil		ELAP 198.1 EPA/600/R-93/116 SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260C-D SW-846 8270D	
TP-3 (10')	19J0330-02	Soil		SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260C-D SW-846 8270D	
TP-3 (0-2')	19J0330-03	Soil		SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260C-D SW-846 8270D	
TP-4 (0-2')	19J0330-04	Soil		SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260C-D SW-846 8270D	
TP-4 (9-10')	19J0330-05	Soil		SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260C-D SW-846 8270D	

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Weston & Sampson - Albany, NY
 1 Winners Circle, Suite 130
 Albany, NY 12205
 ATTN: Cailyn Locci

REPORT DATE: 10/16/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: N2180042

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19J0330

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Thompsons Mill

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TP-9 (0-2')	19J0330-06	Soil		ELAP 198.1 EPA/600/R-93/116 SM 2540G SW-846 6010D SW-846 7471B SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C-D SW-846 8270D	
TP-5 (0-2')	19J0330-07	Soil		SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260C-D SW-846 8270D	
TP-10 (0-2')	19J0330-08	Soil		ELAP 198.1 EPA/600/R-93/116 SM 2540G SW-846 6010D SW-846 7471B SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C-D SW-846 8270D	
TP-7 (8')	19J0330-09	Soil		SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260C-D SW-846 8270D	
TP-6 (0-2')	19J0330-10	Soil		SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260C-D SW-846 8270D	

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Weston & Sampson - Albany, NY
 1 Winners Circle, Suite 130
 Albany, NY 12205
 ATTN: Cailyn Locci

REPORT DATE: 10/16/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: N2180042

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19J0330

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Thompsons Mill

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TP-9 (10')	19J0330-11	Soil		ELAP 198.1 EPA/600/R-93/116 SM 2540G SW-846 6010D SW-846 7471B SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C-D SW-846 8270D	
TP-10 (5-6')	19J0330-12	Soil		ELAP 198.1 EPA/600/R-93/116 SM 2540G SW-846 6010D SW-846 7471B SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C-D SW-846 8270D	
TP-12 (0-2')	19J0330-13	Soil		SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260C-D SW-846 8270D	
TP-11 (10')	19J0330-14	Soil		SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260C-D SW-846 8270D	
TP-11 (0-2')	19J0330-15	Soil		SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260C-D SW-846 8270D	

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

Weston & Sampson - Albany, NY
 1 Winners Circle, Suite 130
 Albany, NY 12205
 ATTN: Cailyn Locci

REPORT DATE: 10/16/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: N2180042

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19J0330

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Thompsons Mill

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
DUP 2	19J0330-16	Soil		SM 2540G SW-846 6010D SW-846 7471B SW-846 8260C-D SW-846 8270D	
TP-5 (9-10')	19J0330-17	Soil		SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260C-D SW-846 8270D	
TP-8 (0-2')	19J0330-18	Soil		SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260C-D SW-846 8270D	
TP-8 (10')	19J0330-19	Soil		SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260C-D SW-846 8270D	
TP-6 (10')	19J0330-20	Soil		SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260C-D SW-846 8270D	
TP-12 (10')	19J0330-21	Soil		SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260C-D SW-846 8270D	
TP-7 (0-2')	19J0330-22	Soil		SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260C-D SW-846 8270D	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 8151 samples were derivatized on 10/09/19

For method 8151 sample analysis bracketed by LCS to monitor esterification. All recoveries in the bracketing LCS met method criteria.

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SW-846 6010D

Qualifications:**MS-07**

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:**Lead**

19J0330-20[TP-6 (10')], B243002-MS1

Selenium

19J0330-02[TP-3 (10')], 19J0330-20[TP-6 (10')], B242954-MS1, B243002-MS1

SW-846 8151A

Qualifications:**V-06**

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:**Dinoseb [2C]**

B242514-BS1, B242514-BSD1

V-20

Continuing calibration verification (CCV) 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:**Dinoseb**

19J0330-06[TP-9 (0-2')], 19J0330-08[TP-10 (0-2')], 19J0330-11[TP-9 (10')], 19J0330-12[TP-10 (5-6')]

Dinoseb [2C]

19J0330-06[TP-9 (0-2')], 19J0330-08[TP-10 (0-2')], 19J0330-11[TP-9 (10')], 19J0330-12[TP-10 (5-6')]

SW-846 8260C-D

Qualifications:**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.

Analyte & Samples(s) Qualified:**1,1,1,2-Tetrachloroethane**

B242520-BS1

Bromodichloromethane

B242469-BSD1

Tetrachloroethylene

B242469-BSD1

PR-15

According to the NY ELAP program, all voa results less than 0.2mg/Kg are estimated and biased low if not collected according to SW-846 5035-L/5035A-L.

Analyte & Samples(s) Qualified:

19J0330-01[DUP 1], 19J0330-02[TP-3 (10')], 19J0330-03[TP-3 (0-2')], 19J0330-04[TP-4 (0-2')], 19J0330-06[TP-9 (0-2')], 19J0330-07[TP-5 (0-2')], 19J0330-08[TP-10 (0-2')], 19J0330-09[TP-7 (8')], 19J0330-11[TP-9 (10')], 19J0330-12[TP-10 (5-6')], 19J0330-13[TP-12 (0-2')], 19J0330-14[TP-11 (10')], 19J0330-15[TP-11 (0-2')], 19J0330-16[DUP 2], 19J0330-17[TP-5 (9-10')], 19J0330-18[TP-8 (0-2')], 19J0330-19[TP-8 (10')], 19J0330-20[TP-6 (10')], 19J0330-21[TP-12 (10')], 19J0330-22[TP-7 (0-2')]

R-05

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:**1,3,5-Trimethylbenzene**

19J0330-09[TP-7 (8')], 19J0330-11[TP-9 (10')], 19J0330-12[TP-10 (5-6')], 19J0330-13[TP-12 (0-2')], 19J0330-14[TP-11 (10')], 19J0330-15[TP-11 (0-2')], 19J0330-16[DUP 2], 19J0330-17[TP-5 (9-10')], 19J0330-18[TP-8 (0-2')], 19J0330-19[TP-8 (10')], 19J0330-20[TP-6 (10')], 19J0330-21[TP-12 (10')], 19J0330-22[TP-7 (0-2')], B242520-BLK1, B242520-BS1, B242520-BSD1

V-20

Continuing calibration verification (CCV) 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:**1,2-Dibromoethane (EDB)**

B242520-BS1, B242520-BSD1, S041203-CCV1

Bromomethane

B242469-BS1, B242469-BSD1, S041150-CCV1

cis-1,3-Dichloropropene

B242520-BS1, B242520-BSD1, S041203-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:**Bromomethane**

19J0330-01[DUP 1], 19J0330-02[TP-3 (10')], 19J0330-03[TP-3 (0-2')], 19J0330-04[TP-4 (0-2')], 19J0330-05[TP-4 (9-10')], 19J0330-06[TP-9 (0-2')], 19J0330-07[TP-5 (0-2')], 19J0330-08[TP-10 (0-2')], 19J0330-09[TP-7 (8')], 19J0330-10[TP-6 (0-2')], 19J0330-11[TP-9 (10')], 19J0330-12[TP-10 (5-6')], 19J0330-13[TP-12 (0-2')], 19J0330-14[TP-11 (10')], 19J0330-15[TP-11 (0-2')], 19J0330-16[DUP 2], 19J0330-17[TP-5 (9-10')], 19J0330-18[TP-8 (0-2')], 19J0330-19[TP-8 (10')], 19J0330-20[TP-6 (10')], 19J0330-21[TP-12 (10')], 19J0330-22[TP-7 (0-2')], B242469-BLK1, B242469-BS1, B242469-BSD1, B242520-BLK1, B242520-BS1, B242520-BSD1, S041150-CCV1, S041203-CCV1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:**Acetone**

B242469-BS1, B242469-BSD1, B242520-BS1, B242520-BSD1, S041150-CCV1, S041203-CCV1

SW-846 8270D**Qualifications:****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.

Analyte & Samples(s) Qualified:**Benzidine**

B242512-BSD1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:**3,3-Dichlorobenzidine**

19J0330-10[TP-6 (0-2')], B242511-MS1, B242511-MSD1

Aniline

19J0330-10[TP-6 (0-2')], B242511-MS1, B242511-MSD1

Benzidine

19J0330-10[TP-6 (0-2')], 19J0330-21[TP-12 (10')], B242511-MS1, B242511-MSD1, B242512-MS1, B242512-MSD1

Pyridine

19J0330-10[TP-6 (0-2')], B242511-MS1, B242511-MSD1

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.

Analyte & Samples(s) Qualified:**4-Chloroaniline**

B242511-MSD1

R-05

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:**Benzidine**

19J0330-21[TP-12 (10')], 19J0330-22[TP-7 (0-2')], B242512-BLK1, B242512-BS1, B242512-MS1, B242512-MSD1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:**1-Methylnaphthalene**

19J0330-10[TP-6 (0-2)], B242511-MS1, B242511-MSD1

2-Methylnaphthalene

19J0330-10[TP-6 (0-2)], B242511-MS1, B242511-MSD1

Naphthalene

19J0330-10[TP-6 (0-2)], B242511-MS1, B242511-MSD1

S-07

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:**p-Terphenyl-d14**

19J0330-11[TP-9 (10)], 19J0330-16[DUP 2], 19J0330-17[TP-5 (9-10)], 19J0330-19[TP-8 (10)]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:**Benzidine**

19J0330-01[DUP 1], 19J0330-02[TP-3 (10)], 19J0330-03[TP-3 (0-2)], 19J0330-04[TP-4 (0-2)], 19J0330-05[TP-4 (9-10)], 19J0330-06[TP-9 (0-2)], 19J0330-07[TP-5 (0-2)], 19J0330-08[TP-10 (0-2)], 19J0330-09[TP-7 (8)], 19J0330-10[TP-6 (0-2)], 19J0330-11[TP-9 (10)], 19J0330-12[TP-10 (5-6)], 19J0330-13[TP-12 (0-2)], 19J0330-14[TP-11 (10)], 19J0330-15[TP-11 (0-2)], 19J0330-16[DUP 2], 19J0330-17[TP-5 (9-10)], 19J0330-18[TP-8 (0-2)], 19J0330-19[TP-8 (10)], 19J0330-20[TP-6 (10)], 19J0330-21[TP-12 (10)], 19J0330-22[TP-7 (0-2)], B242511-BLK1, B242511-BS1, B242511-BSD1, B242511-MS1, B242511-MSD1, B242512-BLK1, B242512-BS1, B242512-BSD1, B242512-MS1, B242512-MSD1, S041266-CCV1, S041283-CCV1

Pyridine

19J0330-01[DUP 1], 19J0330-02[TP-3 (10)], 19J0330-03[TP-3 (0-2)], 19J0330-04[TP-4 (0-2)], 19J0330-05[TP-4 (9-10)], 19J0330-06[TP-9 (0-2)], 19J0330-07[TP-5 (0-2)], 19J0330-08[TP-10 (0-2)], 19J0330-09[TP-7 (8)], 19J0330-10[TP-6 (0-2)], 19J0330-11[TP-9 (10)], 19J0330-12[TP-10 (5-6)], 19J0330-13[TP-12 (0-2)], 19J0330-14[TP-11 (10)], 19J0330-15[TP-11 (0-2)], 19J0330-16[DUP 2], 19J0330-17[TP-5 (9-10)], 19J0330-18[TP-8 (0-2)], 19J0330-19[TP-8 (10)], 19J0330-20[TP-6 (10)], B242511-BLK1, B242511-BS1, B242511-BSD1, B242511-MS1, B242511-MSD1, S041266-CCV1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:**2,4-Dinitrophenol**

B242512-BS1, B242512-BSD1, B242512-MS1, B242512-MSD1, S041283-CCV1

2,4-Dinitrotoluene

B242512-BS1, B242512-BSD1, B242512-MS1, B242512-MSD1, S041283-CCV1

4-Nitrophenol

B242511-BS1, B242511-BSD1, B242511-MS1, B242511-MSD1, S041266-CCV1

V-20

Continuing calibration verification (CCV) 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**

19J0330-21[TP-12 (10)], 19J0330-22[TP-7 (0-2)], B242512-BLK1

2,4-Dinitrotoluene

19J0330-21[TP-12 (10)], 19J0330-22[TP-7 (0-2)], B242512-BLK1

4-Nitrophenol

19J0330-01[DUP 1], 19J0330-02[TP-3 (10)], 19J0330-03[TP-3 (0-2)], 19J0330-04[TP-4 (0-2)], 19J0330-05[TP-4 (9-10)], 19J0330-06[TP-9 (0-2)], 19J0330-07[TP-5 (0-2)], 19J0330-08[TP-10 (0-2)], 19J0330-09[TP-7 (8)], 19J0330-10[TP-6 (0-2)], 19J0330-11[TP-9 (10)], 19J0330-12[TP-10 (5-6)], 19J0330-13[TP-12 (0-2)], 19J0330-14[TP-11 (10)], 19J0330-15[TP-11 (0-2)], 19J0330-16[DUP 2], 19J0330-17[TP-5 (9-10)], 19J0330-18[TP-8 (0-2)], 19J0330-19[TP-8 (10)], 19J0330-20[TP-6 (10)], B242511-BLK1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:**Benzidine**

19J0330-01[DUP 1], 19J0330-02[TP-3 (10)], 19J0330-03[TP-3 (0-2)], 19J0330-04[TP-4 (0-2)], 19J0330-05[TP-4 (9-10)], 19J0330-06[TP-9 (0-2)], 19J0330-07[TP-5 (0-2)], 19J0330-08[TP-10 (0-2)], 19J0330-09[TP-7 (8)], 19J0330-10[TP-6 (0-2)], 19J0330-11[TP-9 (10)], 19J0330-12[TP-10 (5-6)], 19J0330-13[TP-12 (0-2)], 19J0330-14[TP-11 (10)], 19J0330-15[TP-11 (0-2)], 19J0330-16[DUP 2], 19J0330-17[TP-5 (9-10)], 19J0330-18[TP-8 (0-2)], 19J0330-19[TP-8 (10)], 19J0330-20[TP-6 (10)], 19J0330-21[TP-12 (10)], 19J0330-22[TP-7 (0-2)], B242511-BLK1, B242511-BS1, B242511-BSD1, B242511-MS1, B242511-MSD1, B242512-BLK1, B242512-BS1, B242512-BSD1, B242512-MS1, B242512-MSD1, S041266-CCV1, S041283-CCV1

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.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington", is written over a light gray rectangular background.

Lisa A. Worthington
Technical Representative

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: DUP 1

Sampled: 10/3/2019 10:35

Sample ID: 19J0330-01

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.031	0.14	0.012	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Acrylonitrile	ND	0.0082	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0014	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Benzene	ND	0.0027	0.00082	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Bromobenzene	ND	0.0027	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Bromochloromethane	ND	0.0055	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Bromodichloromethane	ND	0.0027	0.00068	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Bromoform	ND	0.0055	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Bromomethane	ND	0.014	0.0015	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
2-Butanone (MEK)	ND	0.055	0.0075	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
tert-Butyl Alcohol (TBA)	ND	0.055	0.0062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
n-Butylbenzene	ND	0.0027	0.00068	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
sec-Butylbenzene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
tert-Butylbenzene	ND	0.0027	0.00082	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0014	0.00027	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Carbon Disulfide	ND	0.0082	0.0074	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Carbon Tetrachloride	ND	0.0027	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Chlorobenzene	ND	0.0027	0.00068	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Chlorodibromomethane	ND	0.0027	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Chloroethane	ND	0.027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Chloroform	ND	0.0055	0.00068	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Chloromethane	ND	0.014	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
2-Chlorotoluene	ND	0.0027	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
4-Chlorotoluene	ND	0.0027	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0027	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Dibromomethane	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
1,2-Dichlorobenzene	ND	0.0027	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
1,3-Dichlorobenzene	ND	0.0027	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
1,4-Dichlorobenzene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
trans-1,4-Dichloro-2-butene	ND	0.0055	0.00082	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.027	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
1,1-Dichloroethane	ND	0.0027	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
1,2-Dichloroethane	ND	0.0027	0.00068	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
1,1-Dichloroethylene	ND	0.0055	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
cis-1,2-Dichloroethylene	ND	0.0027	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
trans-1,2-Dichloroethylene	ND	0.0027	0.00082	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
1,2-Dichloropropane	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
1,3-Dichloropropane	ND	0.0014	0.00068	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
2,2-Dichloropropane	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
1,1-Dichloropropene	ND	0.0055	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
cis-1,3-Dichloropropene	ND	0.0014	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
trans-1,3-Dichloropropene	ND	0.0014	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Diethyl Ether	ND	0.027	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: DUP 1

Sampled: 10/3/2019 10:35

Sample ID: 19J0330-01

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0014	0.00027	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
1,4-Dioxane	ND	0.14	0.0073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Ethylbenzene	ND	0.0027	0.00082	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Hexachlorobutadiene	ND	0.0027	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
2-Hexanone (MBK)	ND	0.027	0.0027	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Isopropylbenzene (Cumene)	ND	0.0027	0.00082	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0027	0.00068	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Methyl Acetate	ND	0.0027	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0055	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Methyl Cyclohexane	ND	0.0027	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Methylene Chloride	0.023	0.027	0.0014	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.027	0.0034	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Naphthalene	ND	0.014	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
n-Propylbenzene	ND	0.0027	0.00082	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Styrene	ND	0.0027	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
1,1,1,2-Tetrachloroethane	ND	0.0027	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
1,1,2,2-Tetrachloroethane	ND	0.0014	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Tetrachloroethylene	ND	0.0027	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Tetrahydrofuran	ND	0.014	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Toluene	ND	0.0027	0.00082	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
1,2,3-Trichlorobenzene	ND	0.0027	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
1,2,4-Trichlorobenzene	ND	0.0027	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
1,3,5-Trichlorobenzene	ND	0.0027	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
1,1,1-Trichloroethane	ND	0.0027	0.00068	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
1,1,2-Trichloroethane	ND	0.0027	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Trichloroethylene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Trichlorofluoromethane (Freon 11)	ND	0.014	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
1,2,3-Trichloropropane	ND	0.0055	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.014	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
1,2,4-Trimethylbenzene	ND	0.0027	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
1,3,5-Trimethylbenzene	ND	0.0027	0.00068	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Vinyl Chloride	ND	0.014	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
m+p Xylene	ND	0.0055	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
o-Xylene	ND	0.0027	0.00082	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:31	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		103	70-130						10/7/19 12:31	
Toluene-d8		101	70-130						10/7/19 12:31	
4-Bromofluorobenzene		113	70-130						10/7/19 12:31	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: DUP 1

Sampled: 10/3/2019 10:35

Sample ID: 19J0330-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Acenaphthylene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Acetophenone	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Aniline	ND	0.40	0.095	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Anthracene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Benzidine	ND	0.78	0.21	mg/Kg dry	1	V-35, V-05	SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Benzo(a)anthracene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Benzo(a)pyrene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Benzo(b)fluoranthene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Benzo(g,h,i)perylene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Benzo(k)fluoranthene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Benzoic Acid	ND	1.2	0.70	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Bis(2-chloroethoxy)methane	ND	0.40	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Bis(2-chloroethyl)ether	ND	0.40	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Bis(2-chloroisopropyl)ether	ND	0.40	0.27	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
4-Bromophenylphenylether	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Butylbenzylphthalate	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Carbazole	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
4-Chloroaniline	ND	0.78	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
4-Chloro-3-methylphenol	ND	0.78	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
2-Chloronaphthalene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
2-Chlorophenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
4-Chlorophenylphenylether	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Chrysene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Dibenz(a,h)anthracene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Dibenzofuran	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Di-n-butylphthalate	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
1,2-Dichlorobenzene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
1,3-Dichlorobenzene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
1,4-Dichlorobenzene	ND	0.40	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
3,3-Dichlorobenzidine	ND	0.20	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
2,4-Dichlorophenol	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Diethylphthalate	ND	0.40	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
2,4-Dimethylphenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Dimethylphthalate	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
4,6-Dinitro-2-methylphenol	ND	0.40	0.36	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
2,4-Dinitrophenol	ND	0.78	0.54	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
2,4-Dinitrotoluene	ND	0.40	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
2,6-Dinitrotoluene	ND	0.40	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Di-n-octylphthalate	ND	0.40	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Fluoranthene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Fluorene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: DUP 1

Sampled: 10/3/2019 10:35

Sample ID: 19J0330-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.40	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Hexachlorobutadiene	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Hexachlorocyclopentadiene	ND	0.40	0.33	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Hexachloroethane	ND	0.40	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Indeno(1,2,3-cd)pyrene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Isophorone	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
1-Methylnaphthalene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
2-Methylnaphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
2-Methylphenol	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
3/4-Methylphenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Naphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
2-Nitroaniline	ND	0.40	0.24	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
3-Nitroaniline	ND	0.40	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
4-Nitroaniline	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Nitrobenzene	ND	0.40	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
2-Nitrophenol	ND	0.40	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
4-Nitrophenol	ND	0.78	0.28	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 11:25	KLB
N-Nitrosodimethylamine	ND	0.40	0.21	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
N-Nitrosodi-n-propylamine	ND	0.40	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Pentachloronitrobenzene	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Pentachlorophenol	ND	0.40	0.27	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Phenanthrene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Phenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Pyrene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
Pyridine	ND	0.40	0.12	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 11:25	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
1,2,4-Trichlorobenzene	ND	0.40	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
2,4,5-Trichlorophenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB
2,4,6-Trichlorophenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:25	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	74.1	30-130	
Phenol-d6	74.7	30-130	
Nitrobenzene-d5	79.9	30-130	
2-Fluorobiphenyl	82.5	30-130	
2,4,6-Tribromophenol	101	30-130	
p-Terphenyl-d14	102	30-130	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: DUP 1

Sampled: 10/3/2019 10:35

Sample ID: 19J0330-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	0.043	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:04	TG
Aroclor-1221 [1]	ND	0.095	0.071	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:04	TG
Aroclor-1232 [1]	ND	0.095	0.085	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:04	TG
Aroclor-1242 [1]	ND	0.095	0.071	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:04	TG
Aroclor-1248 [1]	ND	0.095	0.033	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:04	TG
Aroclor-1254 [1]	ND	0.095	0.038	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:04	TG
Aroclor-1260 [1]	ND	0.095	0.052	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:04	TG
Aroclor-1262 [1]	ND	0.095	0.047	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:04	TG
Aroclor-1268 [1]	ND	0.095	0.076	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:04	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		90.4	30-150						10/14/19 17:04	
Decachlorobiphenyl [2]		95.4	30-150						10/14/19 17:04	
Tetrachloro-m-xylene [1]		96.3	30-150						10/14/19 17:04	
Tetrachloro-m-xylene [2]		101	30-150						10/14/19 17:04	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Sampled: 10/3/2019 10:35

Field Sample #: DUP 1

Sample ID: 19J0330-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
								Prepared	Analyzed	
Arsenic	5.0	2.0	0.38	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:09	TBC/MJH
Barium	390	2.0	0.43	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:09	TBC/MJH
Cadmium	0.19	0.20	0.071	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 17:09	TBC/MJH
Chromium	13	0.40	0.29	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:09	TBC/MJH
Lead	11	0.60	0.24	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:09	TBC/MJH
Mercury	0.014	0.031	0.0093	mg/Kg dry	1	J	SW-846 7471B	10/11/19	10/12/19 11:59	AJL
Selenium	ND	4.0	1.9	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:09	TBC/MJH
Silver	ND	0.40	0.17	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:09	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Sampled: 10/3/2019 10:35

Field Sample #: DUP 1

Sample ID: 19J0330-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.8		% Wt	1		SM 2540G	10/11/19	10/12/19 9:38	AJB + CBM

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: DUP 1

Sampled: 10/3/2019 10:35

Sample ID: 19J0330-01

Sample Matrix: Soil

Inorganic Analyses - Asbestos

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Asbestos - Chrysotile	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Amosite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Crocidolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Actinolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Tremolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Anthophyllite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Fiberglass	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Mineral Wool	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Cellulose	<1		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Hair	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Synthetic	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Other Non-asbestos	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Non-Fibrous Minerals	100		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Binder/Filler	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Organic Material	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Gypsum	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-3 (10')

Sampled: 10/3/2019 14:25

Sample ID: 19J0330-02

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.038	0.13	0.011	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Acrylonitrile	ND	0.0077	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0013	0.00038	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Benzene	ND	0.0026	0.00077	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Bromobenzene	ND	0.0026	0.00051	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Bromochloromethane	ND	0.0051	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Bromodichloromethane	ND	0.0026	0.00064	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Bromoform	ND	0.0051	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Bromomethane	ND	0.013	0.0014	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
2-Butanone (MEK)	ND	0.051	0.0070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
tert-Butyl Alcohol (TBA)	ND	0.051	0.0057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
n-Butylbenzene	ND	0.0026	0.00064	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
sec-Butylbenzene	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
tert-Butylbenzene	ND	0.0026	0.00077	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0013	0.00026	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Carbon Disulfide	ND	0.0077	0.0069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Carbon Tetrachloride	ND	0.0026	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Chlorobenzene	ND	0.0026	0.00064	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Chlorodibromomethane	ND	0.0026	0.00051	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Chloroethane	ND	0.026	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Chloroform	ND	0.0051	0.00064	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Chloromethane	ND	0.013	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
2-Chlorotoluene	ND	0.0026	0.00038	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
4-Chlorotoluene	ND	0.0026	0.00051	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0026	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Dibromomethane	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
1,2-Dichlorobenzene	ND	0.0026	0.00051	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
1,3-Dichlorobenzene	ND	0.0026	0.00051	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
1,4-Dichlorobenzene	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
trans-1,4-Dichloro-2-butene	ND	0.0051	0.00077	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.026	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
1,1-Dichloroethane	ND	0.0026	0.00051	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
1,2-Dichloroethane	ND	0.0026	0.00064	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
1,1-Dichloroethylene	ND	0.0051	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
cis-1,2-Dichloroethylene	ND	0.0026	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
trans-1,2-Dichloroethylene	ND	0.0026	0.00077	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
1,2-Dichloropropane	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
1,3-Dichloropropane	ND	0.0013	0.00064	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
2,2-Dichloropropane	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
1,1-Dichloropropene	ND	0.0051	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
cis-1,3-Dichloropropene	ND	0.0013	0.00051	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
trans-1,3-Dichloropropene	ND	0.0013	0.00051	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Diethyl Ether	ND	0.026	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-3 (10')

Sampled: 10/3/2019 14:25

Sample ID: 19J0330-02

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0013	0.00026	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
1,4-Dioxane	ND	0.13	0.0068	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Ethylbenzene	ND	0.0026	0.00077	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Hexachlorobutadiene	ND	0.0026	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
2-Hexanone (MBK)	ND	0.026	0.0026	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Isopropylbenzene (Cumene)	ND	0.0026	0.00077	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0026	0.00064	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Methyl Acetate	ND	0.0026	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0051	0.00038	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Methyl Cyclohexane	ND	0.0026	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Methylene Chloride	0.012	0.026	0.0013	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.026	0.0032	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Naphthalene	ND	0.013	0.00051	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
n-Propylbenzene	ND	0.0026	0.00077	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Styrene	ND	0.0026	0.00051	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
1,1,1,2-Tetrachloroethane	ND	0.0026	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
1,1,2,2-Tetrachloroethane	ND	0.0013	0.00051	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Tetrachloroethylene	ND	0.0026	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Tetrahydrofuran	ND	0.013	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Toluene	ND	0.0026	0.00077	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
1,2,3-Trichlorobenzene	ND	0.0026	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
1,2,4-Trichlorobenzene	ND	0.0026	0.00051	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
1,3,5-Trichlorobenzene	ND	0.0026	0.00038	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
1,1,1-Trichloroethane	ND	0.0026	0.00064	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
1,1,2-Trichloroethane	ND	0.0026	0.00051	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Trichloroethylene	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
1,2,3-Trichloropropane	ND	0.0051	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.013	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
1,2,4-Trimethylbenzene	ND	0.0026	0.00038	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
1,3,5-Trimethylbenzene	ND	0.0026	0.00064	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Vinyl Chloride	ND	0.013	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
m+p Xylene	ND	0.0051	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
o-Xylene	ND	0.0026	0.00077	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 12:58	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		102	70-130					10/7/19	12:58	
Toluene-d8		101	70-130					10/7/19	12:58	
4-Bromofluorobenzene		102	70-130					10/7/19	12:58	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-3 (10')

Sampled: 10/3/2019 14:25

Sample ID: 19J0330-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Acenaphthylene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Acetophenone	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Aniline	ND	0.41	0.096	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Anthracene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Benzidine	ND	0.79	0.22	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Benzo(a)anthracene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Benzo(a)pyrene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Benzo(b)fluoranthene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Benzo(g,h,i)perylene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Benzo(k)fluoranthene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Benzoic Acid	ND	1.2	0.71	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Bis(2-chloroethoxy)methane	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Bis(2-chloroethyl)ether	ND	0.41	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Bis(2-chloroisopropyl)ether	ND	0.41	0.27	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
4-Bromophenylphenylether	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Butylbenzylphthalate	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Carbazole	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
4-Chloroaniline	ND	0.79	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
4-Chloro-3-methylphenol	ND	0.79	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
2-Chloronaphthalene	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
2-Chlorophenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
4-Chlorophenylphenylether	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Chrysene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Dibenz(a,h)anthracene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Dibenzofuran	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Di-n-butylphthalate	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
1,2-Dichlorobenzene	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
1,3-Dichlorobenzene	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
1,4-Dichlorobenzene	ND	0.41	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
3,3-Dichlorobenzidine	ND	0.20	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
2,4-Dichlorophenol	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Diethylphthalate	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
2,4-Dimethylphenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Dimethylphthalate	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
4,6-Dinitro-2-methylphenol	ND	0.41	0.36	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
2,4-Dinitrophenol	ND	0.79	0.55	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
2,4-Dinitrotoluene	ND	0.41	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
2,6-Dinitrotoluene	ND	0.41	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Di-n-octylphthalate	ND	0.41	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Fluoranthene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Fluorene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-3 (10')

Sampled: 10/3/2019 14:25

Sample ID: 19J0330-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.41	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Hexachlorobutadiene	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Hexachlorocyclopentadiene	ND	0.41	0.33	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Hexachloroethane	ND	0.41	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Indeno(1,2,3-cd)pyrene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Isophorone	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
1-Methylnaphthalene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
2-Methylnaphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
2-Methylphenol	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
3/4-Methylphenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Naphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
2-Nitroaniline	ND	0.41	0.24	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
3-Nitroaniline	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
4-Nitroaniline	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Nitrobenzene	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
2-Nitrophenol	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
4-Nitrophenol	ND	0.79	0.29	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 11:48	KLB
N-Nitrosodimethylamine	ND	0.41	0.22	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
N-Nitrosodi-n-propylamine	ND	0.41	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Pentachloronitrobenzene	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Pentachlorophenol	ND	0.41	0.27	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Phenanthrene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Phenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Pyrene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
Pyridine	ND	0.41	0.12	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 11:48	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
1,2,4-Trichlorobenzene	ND	0.41	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
2,4,5-Trichlorophenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB
2,4,6-Trichlorophenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:48	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	66.8	30-130	
Phenol-d6	66.8	30-130	
Nitrobenzene-d5	72.1	30-130	
2-Fluorobiphenyl	75.1	30-130	
2,4,6-Tribromophenol	92.4	30-130	
p-Terphenyl-d14	92.6	30-130	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-3 (10')

Sampled: 10/3/2019 14:25

Sample ID: 19J0330-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	0.044	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:17	TG
Aroclor-1221 [1]	ND	0.098	0.073	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:17	TG
Aroclor-1232 [1]	ND	0.098	0.088	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:17	TG
Aroclor-1242 [1]	ND	0.098	0.073	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:17	TG
Aroclor-1248 [1]	ND	0.098	0.034	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:17	TG
Aroclor-1254 [1]	ND	0.098	0.039	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:17	TG
Aroclor-1260 [1]	ND	0.098	0.054	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:17	TG
Aroclor-1262 [1]	ND	0.098	0.049	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:17	TG
Aroclor-1268 [1]	ND	0.098	0.078	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:17	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		82.4	30-150						10/14/19 17:17	
Decachlorobiphenyl [2]		86.4	30-150						10/14/19 17:17	
Tetrachloro-m-xylene [1]		89.2	30-150						10/14/19 17:17	
Tetrachloro-m-xylene [2]		94.1	30-150						10/14/19 17:17	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-3 (10')

Sampled: 10/3/2019 14:25

Sample ID: 19J0330-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
								Prepared	Analyzed	
Arsenic	1.8	2.0	0.39	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 17:03	TBC/MJH
Barium	53	2.0	0.43	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:03	TBC/MJH
Cadmium	0.084	0.20	0.072	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 17:03	TBC/MJH
Chromium	14	0.40	0.29	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:03	TBC/MJH
Lead	8.7	0.60	0.24	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:03	TBC/MJH
Mercury	0.014	0.029	0.0088	mg/Kg dry	1	J	SW-846 7471B	10/11/19	10/12/19 12:00	AJL
Selenium	ND	4.0	1.9	mg/Kg dry	1	MS-07	SW-846 6010D	10/11/19	10/14/19 17:03	TBC/MJH
Silver	ND	0.40	0.18	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:03	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Sampled: 10/3/2019 14:25

Field Sample #: TP-3 (10')

Sample ID: 19J0330-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.0		% Wt	1		SM 2540G	10/11/19	10/12/19 9:38	AJB + CBM

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-3 (0-2')

Sampled: 10/3/2019 13:55

Sample ID: 19J0330-03

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.15	0.013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Acrylonitrile	ND	0.0092	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0015	0.00046	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Benzene	ND	0.0031	0.00092	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Bromobenzene	ND	0.0031	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Bromochloromethane	ND	0.0062	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Bromodichloromethane	ND	0.0031	0.00077	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Bromoform	ND	0.0062	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Bromomethane	ND	0.015	0.0017	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
2-Butanone (MEK)	ND	0.062	0.0085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
tert-Butyl Alcohol (TBA)	ND	0.062	0.0069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
n-Butylbenzene	ND	0.0031	0.00077	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
sec-Butylbenzene	ND	0.0031	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
tert-Butylbenzene	ND	0.0031	0.00092	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0015	0.00031	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Carbon Disulfide	ND	0.0092	0.0083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Carbon Tetrachloride	ND	0.0031	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Chlorobenzene	ND	0.0031	0.00077	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Chlorodibromomethane	ND	0.0031	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Chloroethane	ND	0.031	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Chloroform	ND	0.0062	0.00077	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Chloromethane	ND	0.015	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
2-Chlorotoluene	ND	0.0031	0.00046	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
4-Chlorotoluene	ND	0.0031	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0031	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
1,2-Dibromoethane (EDB)	ND	0.0015	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Dibromomethane	ND	0.0031	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
1,2-Dichlorobenzene	ND	0.0031	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
1,3-Dichlorobenzene	ND	0.0031	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
1,4-Dichlorobenzene	ND	0.0031	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
trans-1,4-Dichloro-2-butene	ND	0.0062	0.00092	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.031	0.0017	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
1,1-Dichloroethane	ND	0.0031	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
1,2-Dichloroethane	ND	0.0031	0.00077	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
1,1-Dichloroethylene	ND	0.0062	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
cis-1,2-Dichloroethylene	ND	0.0031	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
trans-1,2-Dichloroethylene	ND	0.0031	0.00092	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
1,2-Dichloropropane	ND	0.0031	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
1,3-Dichloropropane	ND	0.0015	0.00077	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
2,2-Dichloropropane	ND	0.0031	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
1,1-Dichloropropene	ND	0.0062	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
cis-1,3-Dichloropropene	ND	0.0015	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
trans-1,3-Dichloropropene	ND	0.0015	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Diethyl Ether	ND	0.031	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-3 (0-2')

Sampled: 10/3/2019 13:55

Sample ID: 19J0330-03

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0015	0.00031	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
1,4-Dioxane	ND	0.15	0.0082	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Ethylbenzene	ND	0.0031	0.00092	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Hexachlorobutadiene	ND	0.0031	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
2-Hexanone (MBK)	ND	0.031	0.0031	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Isopropylbenzene (Cumene)	ND	0.0031	0.00092	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0031	0.00077	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Methyl Acetate	ND	0.0031	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0062	0.00046	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Methyl Cyclohexane	ND	0.0031	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Methylene Chloride	0.013	0.031	0.0015	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.031	0.0039	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Naphthalene	ND	0.015	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
n-Propylbenzene	ND	0.0031	0.00092	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Styrene	ND	0.0031	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
1,1,1,2-Tetrachloroethane	ND	0.0031	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
1,1,2,2-Tetrachloroethane	ND	0.0015	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Tetrachloroethylene	ND	0.0031	0.0018	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Tetrahydrofuran	ND	0.015	0.0017	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Toluene	ND	0.0031	0.00092	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
1,2,3-Trichlorobenzene	ND	0.0031	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
1,2,4-Trichlorobenzene	ND	0.0031	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
1,3,5-Trichlorobenzene	ND	0.0031	0.00046	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
1,1,1-Trichloroethane	ND	0.0031	0.00077	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
1,1,2-Trichloroethane	ND	0.0031	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Trichloroethylene	ND	0.0031	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Trichlorofluoromethane (Freon 11)	ND	0.015	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
1,2,3-Trichloropropane	ND	0.0062	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.015	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
1,2,4-Trimethylbenzene	ND	0.0031	0.00046	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
1,3,5-Trimethylbenzene	ND	0.0031	0.00077	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Vinyl Chloride	ND	0.015	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
m+p Xylene	ND	0.0062	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
o-Xylene	ND	0.0031	0.00092	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:27	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		95.8	70-130						10/7/19 13:27	
Toluene-d8		85.6	70-130						10/7/19 13:27	
4-Bromofluorobenzene		97.5	70-130						10/7/19 13:27	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-3 (0-2')

Sampled: 10/3/2019 13:55

Sample ID: 19J0330-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.16	0.22	0.12	mg/Kg dry	1	J	SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Acenaphthylene	ND	0.22	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Acetophenone	ND	0.44	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Aniline	ND	0.44	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Anthracene	0.31	0.22	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Benzidine	ND	0.85	0.23	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Benzo(a)anthracene	1.3	0.22	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Benzo(a)pyrene	1.5	0.22	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Benzo(b)fluoranthene	1.7	0.22	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Benzo(g,h,i)perylene	1.2	0.22	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Benzo(k)fluoranthene	0.61	0.22	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Benzoic Acid	ND	1.3	0.76	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Bis(2-chloroethoxy)methane	ND	0.44	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Bis(2-chloroethyl)ether	ND	0.44	0.22	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Bis(2-chloroisopropyl)ether	ND	0.44	0.30	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.44	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
4-Bromophenylphenylether	ND	0.44	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Butylbenzylphthalate	ND	0.44	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Carbazole	0.21	0.22	0.12	mg/Kg dry	1	J	SW-846 8270D	10/8/19	10/9/19 12:11	KLB
4-Chloroaniline	ND	0.85	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
4-Chloro-3-methylphenol	ND	0.85	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
2-Chloronaphthalene	ND	0.44	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
2-Chlorophenol	ND	0.44	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
4-Chlorophenylphenylether	ND	0.44	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Chrysene	1.6	0.22	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Dibenz(a,h)anthracene	0.28	0.22	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Dibenzofuran	ND	0.44	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Di-n-butylphthalate	ND	0.44	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
1,2-Dichlorobenzene	ND	0.44	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
1,3-Dichlorobenzene	ND	0.44	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
1,4-Dichlorobenzene	ND	0.44	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
3,3-Dichlorobenzidine	ND	0.22	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
2,4-Dichlorophenol	ND	0.44	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Diethylphthalate	ND	0.44	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
2,4-Dimethylphenol	ND	0.44	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Dimethylphthalate	ND	0.44	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
4,6-Dinitro-2-methylphenol	ND	0.44	0.39	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
2,4-Dinitrophenol	ND	0.85	0.59	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
2,4-Dinitrotoluene	ND	0.44	0.21	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
2,6-Dinitrotoluene	ND	0.44	0.21	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Di-n-octylphthalate	ND	0.44	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.44	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Fluoranthene	3.2	0.22	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Fluorene	0.19	0.22	0.15	mg/Kg dry	1	J	SW-846 8270D	10/8/19	10/9/19 12:11	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-3 (0-2')

Sampled: 10/3/2019 13:55

Sample ID: 19J0330-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.44	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Hexachlorobutadiene	ND	0.44	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Hexachlorocyclopentadiene	ND	0.44	0.36	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Hexachloroethane	ND	0.44	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Indeno(1,2,3-cd)pyrene	1.3	0.22	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Isophorone	ND	0.44	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
1-Methylnaphthalene	ND	0.22	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
2-Methylnaphthalene	ND	0.22	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
2-Methylphenol	ND	0.44	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
3/4-Methylphenol	ND	0.44	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Naphthalene	ND	0.22	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
2-Nitroaniline	ND	0.44	0.26	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
3-Nitroaniline	ND	0.44	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
4-Nitroaniline	ND	0.44	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Nitrobenzene	ND	0.44	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
2-Nitrophenol	ND	0.44	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
4-Nitrophenol	ND	0.85	0.31	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 12:11	KLB
N-Nitrosodimethylamine	ND	0.44	0.23	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.44	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
N-Nitrosodi-n-propylamine	ND	0.44	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Pentachloronitrobenzene	ND	0.44	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Pentachlorophenol	ND	0.44	0.30	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Phenanthrene	2.5	0.22	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Phenol	ND	0.44	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Pyrene	4.0	0.22	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
Pyridine	ND	0.44	0.13	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 12:11	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.44	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
1,2,4-Trichlorobenzene	ND	0.44	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
2,4,5-Trichlorophenol	ND	0.44	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB
2,4,6-Trichlorophenol	ND	0.44	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:11	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	47.6	30-130	
Phenol-d6	49.8	30-130	
Nitrobenzene-d5	55.5	30-130	
2-Fluorobiphenyl	59.9	30-130	
2,4,6-Tribromophenol	69.6	30-130	
p-Terphenyl-d14	88.8	30-130	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-3 (0-2')

Sampled: 10/3/2019 13:55

Sample ID: 19J0330-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	0.047	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:29	TG
Aroclor-1221 [1]	ND	0.10	0.078	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:29	TG
Aroclor-1232 [1]	ND	0.10	0.093	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:29	TG
Aroclor-1242 [1]	ND	0.10	0.078	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:29	TG
Aroclor-1248 [1]	ND	0.10	0.036	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:29	TG
Aroclor-1254 [1]	ND	0.10	0.041	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:29	TG
Aroclor-1260 [1]	ND	0.10	0.057	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:29	TG
Aroclor-1262 [1]	ND	0.10	0.052	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:29	TG
Aroclor-1268 [1]	ND	0.10	0.083	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:29	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		94.1	30-150						10/14/19 17:29	
Decachlorobiphenyl [2]		103	30-150						10/14/19 17:29	
Tetrachloro-m-xylene [1]		98.3	30-150						10/14/19 17:29	
Tetrachloro-m-xylene [2]		101	30-150						10/14/19 17:29	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-3 (0-2')

Sampled: 10/3/2019 13:55

Sample ID: 19J0330-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
								Prepared	Analyzed	
Arsenic	8.5	2.2	0.42	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:14	TBC/MJH
Barium	130	2.2	0.46	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:14	TBC/MJH
Cadmium	1.1	0.22	0.078	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:14	TBC/MJH
Chromium	64	0.43	0.31	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:14	TBC/MJH
Lead	230	0.65	0.26	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:14	TBC/MJH
Mercury	0.36	0.032	0.0097	mg/Kg dry	1		SW-846 7471B	10/11/19	10/12/19 12:02	AJL
Selenium	ND	4.3	2.1	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:14	TBC/MJH
Silver	ND	0.43	0.19	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:14	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Sampled: 10/3/2019 13:55

Field Sample #: TP-3 (0-2')

Sample ID: 19J0330-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.2		% Wt	1		SM 2540G	10/11/19	10/12/19 9:39	AJB + CBM

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-4 (0-2')

Sampled: 10/3/2019 15:10

Sample ID: 19J0330-04

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.13	0.011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Acrylonitrile	ND	0.0080	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0013	0.00040	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Benzene	ND	0.0027	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Bromobenzene	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Bromochloromethane	ND	0.0053	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Bromodichloromethane	ND	0.0027	0.00066	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Bromoform	ND	0.0053	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Bromomethane	ND	0.013	0.0015	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
2-Butanone (MEK)	ND	0.053	0.0073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
tert-Butyl Alcohol (TBA)	ND	0.053	0.0060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
n-Butylbenzene	ND	0.0027	0.00066	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
sec-Butylbenzene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
tert-Butylbenzene	ND	0.0027	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0013	0.00027	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Carbon Disulfide	ND	0.0080	0.0072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Carbon Tetrachloride	ND	0.0027	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Chlorobenzene	ND	0.0027	0.00066	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Chlorodibromomethane	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Chloroethane	ND	0.027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Chloroform	ND	0.0053	0.00066	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Chloromethane	ND	0.013	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
2-Chlorotoluene	ND	0.0027	0.00040	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
4-Chlorotoluene	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0027	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Dibromomethane	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
1,2-Dichlorobenzene	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
1,3-Dichlorobenzene	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
1,4-Dichlorobenzene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
trans-1,4-Dichloro-2-butene	ND	0.0053	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.027	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
1,1-Dichloroethane	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
1,2-Dichloroethane	ND	0.0027	0.00066	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
1,1-Dichloroethylene	ND	0.0053	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
cis-1,2-Dichloroethylene	ND	0.0027	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
trans-1,2-Dichloroethylene	ND	0.0027	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
1,2-Dichloropropane	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
1,3-Dichloropropane	ND	0.0013	0.00066	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
2,2-Dichloropropane	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
1,1-Dichloropropene	ND	0.0053	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
cis-1,3-Dichloropropene	ND	0.0013	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
trans-1,3-Dichloropropene	ND	0.0013	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Diethyl Ether	ND	0.027	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-4 (0-2')

Sampled: 10/3/2019 15:10

Sample ID: 19J0330-04

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0013	0.00027	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
1,4-Dioxane	ND	0.13	0.0070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Ethylbenzene	ND	0.0027	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Hexachlorobutadiene	ND	0.0027	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
2-Hexanone (MBK)	ND	0.027	0.0027	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Isopropylbenzene (Cumene)	ND	0.0027	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0027	0.00066	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Methyl Acetate	ND	0.0027	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0053	0.00040	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Methyl Cyclohexane	ND	0.0027	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Methylene Chloride	0.0075	0.027	0.0013	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.027	0.0033	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Naphthalene	ND	0.013	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
n-Propylbenzene	ND	0.0027	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Styrene	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
1,1,1,2-Tetrachloroethane	ND	0.0027	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
1,1,2,2-Tetrachloroethane	ND	0.0013	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Tetrachloroethylene	ND	0.0027	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Tetrahydrofuran	ND	0.013	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Toluene	ND	0.0027	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
1,2,3-Trichlorobenzene	ND	0.0027	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
1,2,4-Trichlorobenzene	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
1,3,5-Trichlorobenzene	ND	0.0027	0.00040	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
1,1,1-Trichloroethane	ND	0.0027	0.00066	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
1,1,2-Trichloroethane	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Trichloroethylene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
1,2,3-Trichloropropane	ND	0.0053	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.013	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
1,2,4-Trimethylbenzene	ND	0.0027	0.00040	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
1,3,5-Trimethylbenzene	ND	0.0027	0.00066	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Vinyl Chloride	ND	0.013	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
m+p Xylene	ND	0.0053	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
o-Xylene	ND	0.0027	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 13:54	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		97.4	70-130						10/7/19 13:54	
Toluene-d8		98.3	70-130						10/7/19 13:54	
4-Bromofluorobenzene		104	70-130						10/7/19 13:54	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-4 (0-2')

Sampled: 10/3/2019 15:10

Sample ID: 19J0330-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Acenaphthylene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Acetophenone	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Aniline	ND	0.38	0.089	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Anthracene	ND	0.19	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Benzidine	ND	0.73	0.20	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Benzo(a)anthracene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Benzo(a)pyrene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Benzo(b)fluoranthene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Benzo(g,h,i)perylene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Benzo(k)fluoranthene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Benzoic Acid	ND	1.1	0.65	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Bis(2-chloroethoxy)methane	ND	0.38	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Bis(2-chloroethyl)ether	ND	0.38	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Bis(2-chloroisopropyl)ether	ND	0.38	0.25	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
4-Bromophenylphenylether	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Butylbenzylphthalate	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Carbazole	ND	0.19	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
4-Chloroaniline	ND	0.73	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
4-Chloro-3-methylphenol	ND	0.73	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
2-Chloronaphthalene	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
2-Chlorophenol	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
4-Chlorophenylphenylether	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Chrysene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Dibenz(a,h)anthracene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Dibenzofuran	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Di-n-butylphthalate	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
1,2-Dichlorobenzene	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
1,3-Dichlorobenzene	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
1,4-Dichlorobenzene	ND	0.38	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
3,3-Dichlorobenzidine	ND	0.19	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
2,4-Dichlorophenol	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Diethylphthalate	ND	0.38	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
2,4-Dimethylphenol	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Dimethylphthalate	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
4,6-Dinitro-2-methylphenol	ND	0.38	0.33	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
2,4-Dinitrophenol	ND	0.73	0.51	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
2,4-Dinitrotoluene	ND	0.38	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
2,6-Dinitrotoluene	ND	0.38	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Di-n-octylphthalate	ND	0.38	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Fluoranthene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Fluorene	ND	0.19	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-4 (0-2')

Sampled: 10/3/2019 15:10

Sample ID: 19J0330-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.38	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Hexachlorobutadiene	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Hexachlorocyclopentadiene	ND	0.38	0.31	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Hexachloroethane	ND	0.38	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Indeno(1,2,3-cd)pyrene	ND	0.19	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Isophorone	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
1-Methylnaphthalene	ND	0.19	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
2-Methylnaphthalene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
2-Methylphenol	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
3/4-Methylphenol	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Naphthalene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
2-Nitroaniline	ND	0.38	0.22	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
3-Nitroaniline	ND	0.38	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
4-Nitroaniline	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Nitrobenzene	ND	0.38	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
2-Nitrophenol	ND	0.38	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
4-Nitrophenol	ND	0.73	0.27	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 12:33	KLB
N-Nitrosodimethylamine	ND	0.38	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
N-Nitrosodi-n-propylamine	ND	0.38	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Pentachloronitrobenzene	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Pentachlorophenol	ND	0.38	0.25	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Phenanthrene	ND	0.19	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Phenol	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Pyrene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Pyridine	ND	0.38	0.11	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 12:33	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
1,2,4-Trichlorobenzene	ND	0.38	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
2,4,5-Trichlorophenol	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
2,4,6-Trichlorophenol	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:33	KLB
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
2-Fluorophenol		65.2	30-130						10/9/19 12:33	
Phenol-d6		61.0	30-130						10/9/19 12:33	
Nitrobenzene-d5		72.9	30-130						10/9/19 12:33	
2-Fluorobiphenyl		78.1	30-130						10/9/19 12:33	
2,4,6-Tribromophenol		88.6	30-130						10/9/19 12:33	
p-Terphenyl-d14		100	30-130						10/9/19 12:33	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-4 (0-2')

Sampled: 10/3/2019 15:10

Sample ID: 19J0330-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	0.041	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:42	TG
Aroclor-1221 [1]	ND	0.090	0.068	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:42	TG
Aroclor-1232 [1]	ND	0.090	0.081	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:42	TG
Aroclor-1242 [1]	ND	0.090	0.068	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:42	TG
Aroclor-1248 [1]	ND	0.090	0.032	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:42	TG
Aroclor-1254 [1]	ND	0.090	0.036	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:42	TG
Aroclor-1260 [1]	ND	0.090	0.050	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:42	TG
Aroclor-1262 [1]	ND	0.090	0.045	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:42	TG
Aroclor-1268 [1]	ND	0.090	0.072	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:42	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		89.9	30-150						10/14/19 17:42	
Decachlorobiphenyl [2]		95.7	30-150						10/14/19 17:42	
Tetrachloro-m-xylene [1]		92.7	30-150						10/14/19 17:42	
Tetrachloro-m-xylene [2]		99.1	30-150						10/14/19 17:42	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-4 (0-2')

Sampled: 10/3/2019 15:10

Sample ID: 19J0330-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	2.7	1.9	0.36	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:20	TBC/MJH
Barium	47	1.9	0.40	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:20	TBC/MJH
Cadmium	0.14	0.19	0.068	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 17:20	TBC/MJH
Chromium	11	0.38	0.27	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:20	TBC/MJH
Lead	13	0.56	0.23	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:20	TBC/MJH
Mercury	0.076	0.028	0.0085	mg/Kg dry	1		SW-846 7471B	10/11/19	10/12/19 12:08	AJL
Selenium	ND	3.8	1.8	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:20	TBC/MJH
Silver	ND	0.38	0.17	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:20	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-4 (0-2')

Sampled: 10/3/2019 15:10

Sample ID: 19J0330-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.6		% Wt	1		SM 2540G	10/11/19	10/12/19 9:39	AJB + CBM

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-4 (9-10')

Sampled: 10/3/2019 15:50

Sample ID: 19J0330-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.016	0.14	0.012	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Acrylonitrile	ND	0.0085	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0014	0.00043	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Benzene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Bromobenzene	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Bromochloromethane	ND	0.0057	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Bromodichloromethane	ND	0.0028	0.00071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Bromoform	ND	0.0057	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Bromomethane	ND	0.014	0.0016	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
2-Butanone (MEK)	ND	0.057	0.0078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
tert-Butyl Alcohol (TBA)	ND	0.057	0.0064	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
n-Butylbenzene	ND	0.0028	0.00071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
sec-Butylbenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
tert-Butylbenzene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0014	0.00028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Carbon Disulfide	ND	0.0085	0.0077	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Carbon Tetrachloride	ND	0.0028	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Chlorobenzene	ND	0.0028	0.00071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Chlorodibromomethane	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Chloroethane	ND	0.028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Chloroform	ND	0.0057	0.00071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Chloromethane	ND	0.014	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
2-Chlorotoluene	ND	0.0028	0.00043	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
4-Chlorotoluene	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Dibromomethane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
1,2-Dichlorobenzene	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
1,3-Dichlorobenzene	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
1,4-Dichlorobenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
trans-1,4-Dichloro-2-butene	ND	0.0057	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.028	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
1,1-Dichloroethane	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
1,2-Dichloroethane	ND	0.0028	0.00071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
1,1-Dichloroethylene	ND	0.0057	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
cis-1,2-Dichloroethylene	ND	0.0028	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
trans-1,2-Dichloroethylene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
1,2-Dichloropropane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
1,3-Dichloropropane	ND	0.0014	0.00071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
2,2-Dichloropropane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
1,1-Dichloropropene	ND	0.0057	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
cis-1,3-Dichloropropene	ND	0.0014	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
trans-1,3-Dichloropropene	ND	0.0014	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Diethyl Ether	ND	0.028	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-4 (9-10')

Sampled: 10/3/2019 15:50

Sample ID: 19J0330-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0014	0.00028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
1,4-Dioxane	ND	0.14	0.0075	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Ethylbenzene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Hexachlorobutadiene	ND	0.0028	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
2-Hexanone (MBK)	ND	0.028	0.0028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Isopropylbenzene (Cumene)	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0028	0.00071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Methyl Acetate	ND	0.0028	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0057	0.00043	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Methyl Cyclohexane	ND	0.0028	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Methylene Chloride	0.0041	0.028	0.0014	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.028	0.0036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Naphthalene	ND	0.014	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
n-Propylbenzene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Styrene	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
1,1,1,2-Tetrachloroethane	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
1,1,2,2-Tetrachloroethane	ND	0.0014	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Tetrachloroethylene	ND	0.0028	0.0017	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Tetrahydrofuran	ND	0.014	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Toluene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
1,2,3-Trichlorobenzene	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
1,2,4-Trichlorobenzene	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
1,3,5-Trichlorobenzene	ND	0.0028	0.00043	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
1,1,1-Trichloroethane	ND	0.0028	0.00071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
1,1,2-Trichloroethane	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Trichloroethylene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Trichlorofluoromethane (Freon 11)	ND	0.014	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
1,2,3-Trichloropropane	ND	0.0057	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.014	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
1,2,4-Trimethylbenzene	ND	0.0028	0.00043	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
1,3,5-Trimethylbenzene	ND	0.0028	0.00071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Vinyl Chloride	ND	0.014	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
m+p Xylene	ND	0.0057	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
o-Xylene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:22	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		99.4	70-130						10/7/19 14:22	
Toluene-d8		97.3	70-130						10/7/19 14:22	
4-Bromofluorobenzene		105	70-130						10/7/19 14:22	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-4 (9-10')

Sampled: 10/3/2019 15:50

Sample ID: 19J0330-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Acenaphthylene	ND	0.21	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Acetophenone	ND	0.43	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Aniline	ND	0.43	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Anthracene	ND	0.21	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Benzidine	ND	0.83	0.23	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Benzo(a)anthracene	ND	0.21	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Benzo(a)pyrene	ND	0.21	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Benzo(b)fluoranthene	ND	0.21	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Benzo(g,h,i)perylene	ND	0.21	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Benzo(k)fluoranthene	ND	0.21	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Benzoic Acid	ND	1.3	0.74	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Bis(2-chloroethoxy)methane	ND	0.43	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Bis(2-chloroethyl)ether	ND	0.43	0.21	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Bis(2-chloroisopropyl)ether	ND	0.43	0.29	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.43	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
4-Bromophenylphenylether	ND	0.43	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Butylbenzylphthalate	ND	0.43	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Carbazole	ND	0.21	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
4-Chloroaniline	ND	0.83	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
4-Chloro-3-methylphenol	ND	0.83	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
2-Chloronaphthalene	ND	0.43	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
2-Chlorophenol	ND	0.43	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
4-Chlorophenylphenylether	ND	0.43	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Chrysene	ND	0.21	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Dibenz(a,h)anthracene	ND	0.21	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Dibenzofuran	ND	0.43	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Di-n-butylphthalate	ND	0.43	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
1,2-Dichlorobenzene	ND	0.43	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
1,3-Dichlorobenzene	ND	0.43	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
1,4-Dichlorobenzene	ND	0.43	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
3,3-Dichlorobenzidine	ND	0.21	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
2,4-Dichlorophenol	ND	0.43	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Diethylphthalate	ND	0.43	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
2,4-Dimethylphenol	ND	0.43	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Dimethylphthalate	ND	0.43	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
4,6-Dinitro-2-methylphenol	ND	0.43	0.38	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
2,4-Dinitrophenol	ND	0.83	0.58	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
2,4-Dinitrotoluene	ND	0.43	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
2,6-Dinitrotoluene	ND	0.43	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Di-n-octylphthalate	ND	0.43	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.43	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Fluoranthene	ND	0.21	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Fluorene	ND	0.21	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-4 (9-10')

Sampled: 10/3/2019 15:50

Sample ID: 19J0330-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.43	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Hexachlorobutadiene	ND	0.43	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Hexachlorocyclopentadiene	ND	0.43	0.35	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Hexachloroethane	ND	0.43	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Indeno(1,2,3-cd)pyrene	ND	0.21	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Isophorone	ND	0.43	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
1-Methylnaphthalene	ND	0.21	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
2-Methylnaphthalene	ND	0.21	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
2-Methylphenol	ND	0.43	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
3/4-Methylphenol	ND	0.43	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Naphthalene	ND	0.21	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
2-Nitroaniline	ND	0.43	0.25	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
3-Nitroaniline	ND	0.43	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
4-Nitroaniline	ND	0.43	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Nitrobenzene	ND	0.43	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
2-Nitrophenol	ND	0.43	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
4-Nitrophenol	ND	0.83	0.30	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 12:56	KLB
N-Nitrosodimethylamine	ND	0.43	0.23	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.43	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
N-Nitrosodi-n-propylamine	ND	0.43	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Pentachloronitrobenzene	ND	0.43	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Pentachlorophenol	ND	0.43	0.29	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Phenanthrene	ND	0.21	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Phenol	ND	0.43	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Pyrene	ND	0.21	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
Pyridine	ND	0.43	0.13	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 12:56	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.43	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
1,2,4-Trichlorobenzene	ND	0.43	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
2,4,5-Trichlorophenol	ND	0.43	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB
2,4,6-Trichlorophenol	ND	0.43	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:56	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	73.8	30-130	
Phenol-d6	73.7	30-130	
Nitrobenzene-d5	79.2	30-130	
2-Fluorobiphenyl	83.0	30-130	
2,4,6-Tribromophenol	100	30-130	
p-Terphenyl-d14	112	30-130	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-4 (9-10')

Sampled: 10/3/2019 15:50

Sample ID: 19J0330-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	0.044	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:54	TG
Aroclor-1221 [1]	ND	0.098	0.074	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:54	TG
Aroclor-1232 [1]	ND	0.098	0.089	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:54	TG
Aroclor-1242 [1]	ND	0.098	0.074	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:54	TG
Aroclor-1248 [1]	ND	0.098	0.034	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:54	TG
Aroclor-1254 [1]	ND	0.098	0.039	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:54	TG
Aroclor-1260 [1]	ND	0.098	0.054	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:54	TG
Aroclor-1262 [1]	ND	0.098	0.049	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:54	TG
Aroclor-1268 [1]	ND	0.098	0.079	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 17:54	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		90.5	30-150						10/14/19 17:54	
Decachlorobiphenyl [2]		96.3	30-150						10/14/19 17:54	
Tetrachloro-m-xylene [1]		95.7	30-150						10/14/19 17:54	
Tetrachloro-m-xylene [2]		100	30-150						10/14/19 17:54	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-4 (9-10')

Sampled: 10/3/2019 15:50

Sample ID: 19J0330-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	1.9	2.1	0.40	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 17:37	TBC/MJH
Barium	30	2.1	0.45	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:37	TBC/MJH
Cadmium	0.096	0.21	0.075	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 17:37	TBC/MJH
Chromium	5.6	0.42	0.30	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:37	TBC/MJH
Lead	6.8	0.63	0.25	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:37	TBC/MJH
Mercury	0.0099	0.031	0.0092	mg/Kg dry	1	J	SW-846 7471B	10/11/19	10/12/19 12:09	AJL
Selenium	ND	4.2	2.0	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:37	TBC/MJH
Silver	ND	0.42	0.18	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:37	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-4 (9-10')

Sampled: 10/3/2019 15:50

Sample ID: 19J0330-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.9		% Wt	1		SM 2540G	10/11/19	10/12/19 9:39	ADB + CBM

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-9 (0-2')

Sampled: 10/3/2019 09:45

Sample ID: 19J0330-06

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.13	0.011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Acrylonitrile	ND	0.0079	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0013	0.00039	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Benzene	ND	0.0026	0.00079	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Bromobenzene	ND	0.0026	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Bromochloromethane	ND	0.0053	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Bromodichloromethane	ND	0.0026	0.00066	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Bromoform	ND	0.0053	0.00092	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Bromomethane	ND	0.013	0.0014	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
2-Butanone (MEK)	ND	0.053	0.0072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
tert-Butyl Alcohol (TBA)	ND	0.053	0.0059	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
n-Butylbenzene	ND	0.0026	0.00066	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
sec-Butylbenzene	ND	0.0026	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
tert-Butylbenzene	ND	0.0026	0.00079	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0013	0.00026	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Carbon Disulfide	ND	0.0079	0.0071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Carbon Tetrachloride	ND	0.0026	0.00092	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Chlorobenzene	ND	0.0026	0.00066	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Chlorodibromomethane	ND	0.0026	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Chloroethane	ND	0.026	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Chloroform	ND	0.0053	0.00066	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Chloromethane	ND	0.013	0.00092	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
2-Chlorotoluene	ND	0.0026	0.00039	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
4-Chlorotoluene	ND	0.0026	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0026	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	0.00092	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Dibromomethane	ND	0.0026	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
1,2-Dichlorobenzene	ND	0.0026	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
1,3-Dichlorobenzene	ND	0.0026	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
1,4-Dichlorobenzene	ND	0.0026	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
trans-1,4-Dichloro-2-butene	ND	0.0053	0.00079	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.026	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
1,1-Dichloroethane	ND	0.0026	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
1,2-Dichloroethane	ND	0.0026	0.00066	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
1,1-Dichloroethylene	ND	0.0053	0.00092	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
cis-1,2-Dichloroethylene	ND	0.0026	0.00092	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
trans-1,2-Dichloroethylene	ND	0.0026	0.00079	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
1,2-Dichloropropane	ND	0.0026	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
1,3-Dichloropropane	ND	0.0013	0.00066	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
2,2-Dichloropropane	ND	0.0026	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
1,1-Dichloropropene	ND	0.0053	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
cis-1,3-Dichloropropene	ND	0.0013	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
trans-1,3-Dichloropropene	ND	0.0013	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Diethyl Ether	ND	0.026	0.00092	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-9 (0-2')

Sampled: 10/3/2019 09:45

Sample ID: 19J0330-06

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0013	0.00026	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
1,4-Dioxane	ND	0.13	0.0070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Ethylbenzene	ND	0.0026	0.00079	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Hexachlorobutadiene	ND	0.0026	0.00092	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
2-Hexanone (MBK)	ND	0.026	0.0026	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Isopropylbenzene (Cumene)	ND	0.0026	0.00079	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0026	0.00066	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Methyl Acetate	ND	0.0026	0.00092	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0053	0.00039	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Methyl Cyclohexane	ND	0.0026	0.00092	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Methylene Chloride	0.0097	0.026	0.0013	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.026	0.0033	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Naphthalene	ND	0.013	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
n-Propylbenzene	ND	0.0026	0.00079	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Styrene	ND	0.0026	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
1,1,1,2-Tetrachloroethane	ND	0.0026	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
1,1,2,2-Tetrachloroethane	ND	0.0013	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Tetrachloroethylene	ND	0.0026	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Tetrahydrofuran	ND	0.013	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Toluene	ND	0.0026	0.00079	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
1,2,3-Trichlorobenzene	ND	0.0026	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
1,2,4-Trichlorobenzene	ND	0.0026	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
1,3,5-Trichlorobenzene	ND	0.0026	0.00039	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
1,1,1-Trichloroethane	ND	0.0026	0.00066	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
1,1,2-Trichloroethane	ND	0.0026	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Trichloroethylene	ND	0.0026	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	0.00092	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
1,2,3-Trichloropropane	ND	0.0053	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.013	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
1,2,4-Trimethylbenzene	ND	0.0026	0.00039	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
1,3,5-Trimethylbenzene	ND	0.0026	0.00066	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Vinyl Chloride	ND	0.013	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
m+p Xylene	ND	0.0053	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
o-Xylene	ND	0.0026	0.00079	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 14:49	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		95.0	70-130						10/7/19 14:49	
Toluene-d8		102	70-130						10/7/19 14:49	
4-Bromofluorobenzene		113	70-130						10/7/19 14:49	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-9 (0-2')

Sampled: 10/3/2019 09:45

Sample ID: 19J0330-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Acenaphthylene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Acetophenone	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Aniline	ND	0.41	0.096	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Anthracene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Benzidine	ND	0.79	0.21	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Benzo(a)anthracene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Benzo(a)pyrene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Benzo(b)fluoranthene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Benzo(g,h,i)perylene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Benzo(k)fluoranthene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Benzoic Acid	ND	1.2	0.70	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Bis(2-chloroethoxy)methane	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Bis(2-chloroethyl)ether	ND	0.41	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Bis(2-chloroisopropyl)ether	ND	0.41	0.27	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
4-Bromophenylphenylether	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Butylbenzylphthalate	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Carbazole	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
4-Chloroaniline	ND	0.79	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
4-Chloro-3-methylphenol	ND	0.79	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
2-Chloronaphthalene	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
2-Chlorophenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
4-Chlorophenylphenylether	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Chrysene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Dibenz(a,h)anthracene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Dibenzofuran	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Di-n-butylphthalate	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
1,2-Dichlorobenzene	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
1,3-Dichlorobenzene	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
1,4-Dichlorobenzene	ND	0.41	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
3,3-Dichlorobenzidine	ND	0.20	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
2,4-Dichlorophenol	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Diethylphthalate	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
2,4-Dimethylphenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Dimethylphthalate	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
4,6-Dinitro-2-methylphenol	ND	0.41	0.36	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
2,4-Dinitrophenol	ND	0.79	0.55	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
2,4-Dinitrotoluene	ND	0.41	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
2,6-Dinitrotoluene	ND	0.41	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Di-n-octylphthalate	ND	0.41	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Fluoranthene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Fluorene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-9 (0-2')

Sampled: 10/3/2019 09:45

Sample ID: 19J0330-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.41	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Hexachlorobutadiene	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Hexachlorocyclopentadiene	ND	0.41	0.33	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Hexachloroethane	ND	0.41	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Indeno(1,2,3-cd)pyrene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Isophorone	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
1-Methylnaphthalene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
2-Methylnaphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
2-Methylphenol	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
3/4-Methylphenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Naphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
2-Nitroaniline	ND	0.41	0.24	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
3-Nitroaniline	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
4-Nitroaniline	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Nitrobenzene	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
2-Nitrophenol	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
4-Nitrophenol	ND	0.79	0.29	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 13:18	KLB
N-Nitrosodimethylamine	ND	0.41	0.21	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
N-Nitrosodi-n-propylamine	ND	0.41	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Pentachloronitrobenzene	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Pentachlorophenol	ND	0.41	0.27	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Phenanthrene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Phenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Pyrene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
Pyridine	ND	0.41	0.12	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 13:18	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
1,2,4-Trichlorobenzene	ND	0.41	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
2,4,5-Trichlorophenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB
2,4,6-Trichlorophenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:18	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	70.3	30-130	
Phenol-d6	73.2	30-130	
Nitrobenzene-d5	75.1	30-130	
2-Fluorobiphenyl	85.9	30-130	
2,4,6-Tribromophenol	112	30-130	
p-Terphenyl-d14	119	30-130	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-9 (0-2')

Sampled: 10/3/2019 09:45

Sample ID: 19J0330-06

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.023	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:11	JMB
Aldrin [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:11	JMB
alpha-BHC [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:11	JMB
beta-BHC [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:11	JMB
delta-BHC [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:11	JMB
gamma-BHC (Lindane) [1]	ND	0.0023	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:11	JMB
Chlordane [1]	ND	0.023	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:11	JMB
4,4'-DDD [1]	ND	0.0045	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:11	JMB
4,4'-DDE [1]	ND	0.0045	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:11	JMB
4,4'-DDT [1]	ND	0.0045	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:11	JMB
Dieldrin [1]	ND	0.0045	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:11	JMB
Endosulfan I [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:11	JMB
Endosulfan II [1]	ND	0.0091	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:11	JMB
Endosulfan sulfate [1]	ND	0.0091	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:11	JMB
Endrin [1]	ND	0.0091	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:11	JMB
Endrin aldehyde [1]	ND	0.0091	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:11	JMB
Endrin ketone [1]	ND	0.0091	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:11	JMB
Heptachlor [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:11	JMB
Heptachlor epoxide [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:11	JMB
Hexachlorobenzene [1]	ND	0.0068	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:11	JMB
Methoxychlor [1]	ND	0.057	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:11	JMB
Toxaphene [1]	ND	0.11	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:11	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		76.3	30-150					10/15/19 2:11	
Decachlorobiphenyl [2]		77.1	30-150					10/15/19 2:11	
Tetrachloro-m-xylene [1]		79.7	30-150					10/15/19 2:11	
Tetrachloro-m-xylene [2]		81.7	30-150					10/15/19 2:11	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-9 (0-2')

Sampled: 10/3/2019 09:45

Sample ID: 19J0330-06

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	30	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 17:29	JMB
2,4-DB [1]	ND	30	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 17:29	JMB
2,4,5-TP (Silvex) [1]	ND	3.0	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 17:29	JMB
2,4,5-T [1]	ND	3.0	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 17:29	JMB
Dalapon [1]	ND	75	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 17:29	JMB
Dicamba [1]	ND	3.0	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 17:29	JMB
Dichloroprop [1]	ND	30	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 17:29	JMB
Dinoseb [1]	ND	15	µg/kg dry	1	V-20	SW-846 8151A	10/8/19	10/9/19 17:29	JMB
MCPA [1]	ND	3000	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 17:29	JMB
MCPP [1]	ND	3000	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 17:29	JMB
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
2,4-Dichlorophenylacetic acid [1]	72.9	30-150						10/9/19 17:29	
2,4-Dichlorophenylacetic acid [2]	81.7	30-150						10/9/19 17:29	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-9 (0-2')

Sampled: 10/3/2019 09:45

Sample ID: 19J0330-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	0.044	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:07	TG
Aroclor-1221 [1]	ND	0.097	0.073	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:07	TG
Aroclor-1232 [1]	ND	0.097	0.087	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:07	TG
Aroclor-1242 [1]	ND	0.097	0.073	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:07	TG
Aroclor-1248 [1]	ND	0.097	0.034	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:07	TG
Aroclor-1254 [1]	ND	0.097	0.039	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:07	TG
Aroclor-1260 [1]	ND	0.097	0.053	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:07	TG
Aroclor-1262 [1]	ND	0.097	0.049	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:07	TG
Aroclor-1268 [1]	ND	0.097	0.078	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:07	TG
Surrogates		% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		92.1		30-150					10/14/19 18:07	
Decachlorobiphenyl [2]		97.4		30-150					10/14/19 18:07	
Tetrachloro-m-xylene [1]		96.9		30-150					10/14/19 18:07	
Tetrachloro-m-xylene [2]		104		30-150					10/14/19 18:07	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-9 (0-2')

Sampled: 10/3/2019 09:45

Sample ID: 19J0330-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
								Prepared	Analyzed	
Arsenic	1.6	2.0	0.39	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 17:42	TBC/MJH
Barium	79	2.0	0.43	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:42	TBC/MJH
Cadmium	0.11	0.20	0.072	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 17:42	TBC/MJH
Chromium	10	0.40	0.29	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:42	TBC/MJH
Lead	12	0.60	0.24	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:42	TBC/MJH
Mercury	0.049	0.031	0.0093	mg/Kg dry	1		SW-846 7471B	10/11/19	10/12/19 12:11	AJL
Selenium	ND	4.0	1.9	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:42	TBC/MJH
Silver	ND	0.40	0.18	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:42	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

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Sampled: 10/3/2019 09:45

Field Sample #: TP-9 (0-2')

Sample ID: 19J0330-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.4		% Wt	1		SM 2540G	10/11/19	10/12/19 9:39	AJB + CBM

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

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Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-9 (0-2')

Sampled: 10/3/2019 09:45

Sample ID: 19J0330-06

Sample Matrix: Soil

Inorganic Analyses - Asbestos

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Asbestos - Chrysotile	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Amosite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Crocidolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Actinolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Tremolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Anthophyllite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Fiberglass	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Mineral Wool	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Cellulose	<1		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Hair	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Synthetic	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Other Non-asbestos	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Non-Fibrous Minerals	100		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Binder/Filler	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Organic Material	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Gypsum	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-5 (0-2')

Sampled: 10/3/2019 11:30

Sample ID: 19J0330-07

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Acrylonitrile	ND	0.0073	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Benzene	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Bromobenzene	ND	0.0024	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Bromochloromethane	ND	0.0049	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Bromodichloromethane	ND	0.0024	0.00061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Bromoform	ND	0.0049	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Bromomethane	ND	0.012	0.0013	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
2-Butanone (MEK)	ND	0.049	0.0067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
tert-Butyl Alcohol (TBA)	ND	0.049	0.0055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
n-Butylbenzene	ND	0.0024	0.00061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
sec-Butylbenzene	ND	0.0024	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
tert-Butylbenzene	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00024	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Carbon Disulfide	ND	0.0073	0.0066	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Carbon Tetrachloride	ND	0.0024	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Chlorobenzene	ND	0.0024	0.00061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Chlorodibromomethane	ND	0.0024	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Chloroethane	ND	0.024	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Chloroform	ND	0.0049	0.00061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Chloromethane	ND	0.012	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
2-Chlorotoluene	ND	0.0024	0.00036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
4-Chlorotoluene	ND	0.0024	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Dibromomethane	ND	0.0024	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
trans-1,4-Dichloro-2-butene	ND	0.0049	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
1,1-Dichloroethane	ND	0.0024	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
1,2-Dichloroethane	ND	0.0024	0.00061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
1,1-Dichloroethylene	ND	0.0049	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
cis-1,2-Dichloroethylene	ND	0.0024	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
1,2-Dichloropropane	ND	0.0024	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
1,3-Dichloropropane	ND	0.0012	0.00061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
2,2-Dichloropropane	ND	0.0024	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
1,1-Dichloropropene	ND	0.0049	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Diethyl Ether	ND	0.024	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-5 (0-2')

Sampled: 10/3/2019 11:30

Sample ID: 19J0330-07

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00024	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
1,4-Dioxane	ND	0.12	0.0064	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Ethylbenzene	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Hexachlorobutadiene	ND	0.0024	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
2-Hexanone (MBK)	ND	0.024	0.0024	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Methyl Acetate	ND	0.0024	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0049	0.00036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Methyl Cyclohexane	ND	0.0024	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Methylene Chloride	0.0032	0.024	0.0012	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0030	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Naphthalene	ND	0.012	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
n-Propylbenzene	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Styrene	ND	0.0024	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Tetrachloroethylene	ND	0.0024	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Tetrahydrofuran	ND	0.012	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Toluene	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
1,2,3-Trichlorobenzene	ND	0.0024	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Trichloroethylene	ND	0.0024	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
1,2,3-Trichloropropane	ND	0.0049	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Vinyl Chloride	ND	0.012	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
m+p Xylene	ND	0.0049	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
o-Xylene	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:16	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		97.6	70-130						10/7/19 15:16	
Toluene-d8		105	70-130						10/7/19 15:16	
4-Bromofluorobenzene		91.2	70-130						10/7/19 15:16	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-5 (0-2')

Sampled: 10/3/2019 11:30

Sample ID: 19J0330-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Acenaphthylene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Acetophenone	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Aniline	ND	0.40	0.094	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Anthracene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Benzidine	ND	0.77	0.21	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Benzo(a)anthracene	0.21	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Benzo(a)pyrene	0.19	0.20	0.13	mg/Kg dry	1	J	SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Benzo(b)fluoranthene	0.22	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Benzo(g,h,i)perylene	0.13	0.20	0.12	mg/Kg dry	1	J	SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Benzo(k)fluoranthene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Benzoic Acid	ND	1.2	0.69	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Bis(2-chloroethoxy)methane	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Bis(2-chloroethyl)ether	ND	0.40	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Bis(2-chloroisopropyl)ether	ND	0.40	0.27	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
4-Bromophenylphenylether	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Butylbenzylphthalate	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Carbazole	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
4-Chloroaniline	ND	0.77	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
4-Chloro-3-methylphenol	ND	0.77	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
2-Chloronaphthalene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
2-Chlorophenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
4-Chlorophenylphenylether	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Chrysene	0.20	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Dibenz(a,h)anthracene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Dibenzofuran	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Di-n-butylphthalate	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
1,2-Dichlorobenzene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
1,3-Dichlorobenzene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
1,4-Dichlorobenzene	ND	0.40	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
3,3-Dichlorobenzidine	ND	0.20	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
2,4-Dichlorophenol	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Diethylphthalate	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
2,4-Dimethylphenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Dimethylphthalate	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
4,6-Dinitro-2-methylphenol	ND	0.40	0.35	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
2,4-Dinitrophenol	ND	0.77	0.54	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
2,4-Dinitrotoluene	ND	0.40	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
2,6-Dinitrotoluene	ND	0.40	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Di-n-octylphthalate	ND	0.40	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Fluoranthene	0.41	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Fluorene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-5 (0-2')

Sampled: 10/3/2019 11:30

Sample ID: 19J0330-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.40	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Hexachlorobutadiene	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Hexachlorocyclopentadiene	ND	0.40	0.33	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Hexachloroethane	ND	0.40	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Indeno(1,2,3-cd)pyrene	0.15	0.20	0.14	mg/Kg dry	1	J	SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Isophorone	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
1-Methylnaphthalene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
2-Methylnaphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
2-Methylphenol	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
3/4-Methylphenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Naphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
2-Nitroaniline	ND	0.40	0.23	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
3-Nitroaniline	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
4-Nitroaniline	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Nitrobenzene	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
2-Nitrophenol	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
4-Nitrophenol	ND	0.77	0.28	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 13:40	KLB
N-Nitrosodimethylamine	ND	0.40	0.21	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
N-Nitrosodi-n-propylamine	ND	0.40	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Pentachloronitrobenzene	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Pentachlorophenol	ND	0.40	0.27	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Phenanthrene	0.26	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Phenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Pyrene	0.42	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
Pyridine	ND	0.40	0.12	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 13:40	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
1,2,4-Trichlorobenzene	ND	0.40	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
2,4,5-Trichlorophenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB
2,4,6-Trichlorophenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 13:40	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	50.3	30-130	
Phenol-d6	50.3	30-130	
Nitrobenzene-d5	56.8	30-130	
2-Fluorobiphenyl	64.3	30-130	
2,4,6-Tribromophenol	78.0	30-130	
p-Terphenyl-d14	86.3	30-130	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-5 (0-2')

Sampled: 10/3/2019 11:30

Sample ID: 19J0330-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	0.042	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:19	TG
Aroclor-1221 [1]	ND	0.094	0.071	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:19	TG
Aroclor-1232 [1]	ND	0.094	0.085	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:19	TG
Aroclor-1242 [1]	ND	0.094	0.071	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:19	TG
Aroclor-1248 [1]	ND	0.094	0.033	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:19	TG
Aroclor-1254 [1]	ND	0.094	0.038	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:19	TG
Aroclor-1260 [1]	ND	0.094	0.052	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:19	TG
Aroclor-1262 [1]	ND	0.094	0.047	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:19	TG
Aroclor-1268 [1]	ND	0.094	0.075	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:19	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		84.4	30-150						10/14/19 18:19	
Decachlorobiphenyl [2]		89.7	30-150						10/14/19 18:19	
Tetrachloro-m-xylene [1]		84.8	30-150						10/14/19 18:19	
Tetrachloro-m-xylene [2]		88.7	30-150						10/14/19 18:19	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-5 (0-2')

Sampled: 10/3/2019 11:30

Sample ID: 19J0330-07

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
								Prepared	Analyzed	
Arsenic	4.6	1.9	0.38	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:48	TBC/MJH
Barium	64	1.9	0.42	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:48	TBC/MJH
Cadmium	0.52	0.19	0.070	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:48	TBC/MJH
Chromium	23	0.39	0.28	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:48	TBC/MJH
Lead	51	0.58	0.24	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:48	TBC/MJH
Mercury	0.45	0.030	0.0091	mg/Kg dry	1		SW-846 7471B	10/11/19	10/12/19 12:13	AJL
Selenium	ND	3.9	1.9	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:48	TBC/MJH
Silver	ND	0.39	0.17	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:48	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-5 (0-2')

Sampled: 10/3/2019 11:30

Sample ID: 19J0330-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.0		% Wt	1		SM 2540G	10/11/19	10/12/19 9:39	AJB + CBM

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-10 (0-2')

Sampled: 10/2/2019 09:20

Sample ID: 19J0330-08

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.0097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Acrylonitrile	ND	0.0070	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00035	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Benzene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Bromobenzene	ND	0.0023	0.00046	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Bromochloromethane	ND	0.0046	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Bromodichloromethane	ND	0.0023	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Bromoform	ND	0.0046	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Bromomethane	ND	0.012	0.0013	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
2-Butanone (MEK)	ND	0.046	0.0064	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
tert-Butyl Alcohol (TBA)	ND	0.046	0.0052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
n-Butylbenzene	ND	0.0023	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
sec-Butylbenzene	ND	0.0023	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
tert-Butylbenzene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00023	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Carbon Disulfide	ND	0.0070	0.0063	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Carbon Tetrachloride	ND	0.0023	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Chlorobenzene	ND	0.0023	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Chlorodibromomethane	ND	0.0023	0.00046	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Chloroethane	ND	0.023	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Chloroform	ND	0.0046	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Chloromethane	ND	0.012	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
2-Chlorotoluene	ND	0.0023	0.00035	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
4-Chlorotoluene	ND	0.0023	0.00046	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0023	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Dibromomethane	ND	0.0023	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
1,2-Dichlorobenzene	ND	0.0023	0.00046	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
1,3-Dichlorobenzene	ND	0.0023	0.00046	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
1,4-Dichlorobenzene	ND	0.0023	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
trans-1,4-Dichloro-2-butene	ND	0.0046	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
1,1-Dichloroethane	ND	0.0023	0.00046	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
1,2-Dichloroethane	ND	0.0023	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
1,1-Dichloroethylene	ND	0.0046	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
cis-1,2-Dichloroethylene	ND	0.0023	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
trans-1,2-Dichloroethylene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
1,2-Dichloropropane	ND	0.0023	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
1,3-Dichloropropane	ND	0.0012	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
2,2-Dichloropropane	ND	0.0023	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
1,1-Dichloropropene	ND	0.0046	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00046	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00046	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Diethyl Ether	ND	0.023	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-10 (0-2')

Sampled: 10/2/2019 09:20

Sample ID: 19J0330-08

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00023	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
1,4-Dioxane	ND	0.12	0.0061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Ethylbenzene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Hexachlorobutadiene	ND	0.0023	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
2-Hexanone (MBK)	ND	0.023	0.0023	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Isopropylbenzene (Cumene)	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0023	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Methyl Acetate	ND	0.0023	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0046	0.00035	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Methyl Cyclohexane	ND	0.0023	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Methylene Chloride	0.0012	0.023	0.0012	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	0.0029	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Naphthalene	ND	0.012	0.00046	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
n-Propylbenzene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Styrene	ND	0.0023	0.00046	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
1,1,1,2-Tetrachloroethane	ND	0.0023	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00046	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Tetrachloroethylene	ND	0.0023	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Tetrahydrofuran	ND	0.012	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Toluene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
1,2,3-Trichlorobenzene	ND	0.0023	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
1,2,4-Trichlorobenzene	ND	0.0023	0.00046	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
1,3,5-Trichlorobenzene	ND	0.0023	0.00035	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
1,1,1-Trichloroethane	ND	0.0023	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
1,1,2-Trichloroethane	ND	0.0023	0.00046	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Trichloroethylene	ND	0.0023	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
1,2,3-Trichloropropane	ND	0.0046	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
1,2,4-Trimethylbenzene	ND	0.0023	0.00035	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
1,3,5-Trimethylbenzene	ND	0.0023	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
Vinyl Chloride	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
m+p Xylene	ND	0.0046	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF
o-Xylene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 15:43	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	96.3	70-130	10/7/19 15:43
Toluene-d8	100	70-130	10/7/19 15:43
4-Bromofluorobenzene	87.0	70-130	10/7/19 15:43

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-10 (0-2')

Sampled: 10/2/2019 09:20

Sample ID: 19J0330-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	0.096	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Acenaphthylene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Acetophenone	ND	0.36	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Aniline	ND	0.36	0.086	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Anthracene	ND	0.18	0.096	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Benzidine	ND	0.71	0.19	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Benzo(a)anthracene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Benzo(a)pyrene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Benzo(b)fluoranthene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Benzo(g,h,i)perylene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Benzo(k)fluoranthene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Benzoic Acid	ND	1.1	0.63	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Bis(2-chloroethoxy)methane	ND	0.36	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Bis(2-chloroethyl)ether	ND	0.36	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Bis(2-chloroisopropyl)ether	ND	0.36	0.25	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.36	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
4-Bromophenylphenylether	ND	0.36	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Butylbenzylphthalate	ND	0.36	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Carbazole	ND	0.18	0.096	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
4-Chloroaniline	ND	0.71	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
4-Chloro-3-methylphenol	ND	0.71	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
2-Chloronaphthalene	ND	0.36	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
2-Chlorophenol	ND	0.36	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
4-Chlorophenylphenylether	ND	0.36	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Chrysene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Dibenz(a,h)anthracene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Dibenzofuran	ND	0.36	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Di-n-butylphthalate	ND	0.36	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
1,2-Dichlorobenzene	ND	0.36	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
1,3-Dichlorobenzene	ND	0.36	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
1,4-Dichlorobenzene	ND	0.36	0.096	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
3,3-Dichlorobenzidine	ND	0.18	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
2,4-Dichlorophenol	ND	0.36	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Diethylphthalate	ND	0.36	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
2,4-Dimethylphenol	ND	0.36	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Dimethylphthalate	ND	0.36	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
4,6-Dinitro-2-methylphenol	ND	0.36	0.32	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
2,4-Dinitrophenol	ND	0.71	0.49	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
2,4-Dinitrotoluene	ND	0.36	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
2,6-Dinitrotoluene	ND	0.36	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Di-n-octylphthalate	ND	0.36	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.36	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Fluoranthene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Fluorene	ND	0.18	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-10 (0-2')

Sampled: 10/2/2019 09:20

Sample ID: 19J0330-08

Sample Matrix: Soil

Semivolatle Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.36	0.096	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Hexachlorobutadiene	ND	0.36	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Hexachlorocyclopentadiene	ND	0.36	0.30	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Hexachloroethane	ND	0.36	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Indeno(1,2,3-cd)pyrene	ND	0.18	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Isophorone	ND	0.36	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
1-Methylnaphthalene	ND	0.18	0.096	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
2-Methylnaphthalene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
2-Methylphenol	ND	0.36	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
3/4-Methylphenol	ND	0.36	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Naphthalene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
2-Nitroaniline	ND	0.36	0.21	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
3-Nitroaniline	ND	0.36	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
4-Nitroaniline	ND	0.36	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Nitrobenzene	ND	0.36	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
2-Nitrophenol	ND	0.36	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
4-Nitrophenol	ND	0.71	0.26	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 14:03	KLB
N-Nitrosodimethylamine	ND	0.36	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.36	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
N-Nitrosodi-n-propylamine	ND	0.36	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Pentachloronitrobenzene	ND	0.36	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Pentachlorophenol	ND	0.36	0.25	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Phenanthrene	ND	0.18	0.096	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Phenol	ND	0.36	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Pyrene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
Pyridine	ND	0.36	0.11	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 14:03	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.36	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
1,2,4-Trichlorobenzene	ND	0.36	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
2,4,5-Trichlorophenol	ND	0.36	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB
2,4,6-Trichlorophenol	ND	0.36	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:03	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	65.0	30-130	
Phenol-d6	67.0	30-130	
Nitrobenzene-d5	69.4	30-130	
2-Fluorobiphenyl	80.1	30-130	
2,4,6-Tribromophenol	101	30-130	
p-Terphenyl-d14	110	30-130	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-10 (0-2')

Sampled: 10/2/2019 09:20

Sample ID: 19J0330-08

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.021	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:38	JMB
Aldrin [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:38	JMB
alpha-BHC [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:38	JMB
beta-BHC [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:38	JMB
delta-BHC [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:38	JMB
gamma-BHC (Lindane) [1]	ND	0.0021	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:38	JMB
Chlordane [1]	ND	0.021	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:38	JMB
4,4'-DDD [1]	ND	0.0043	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:38	JMB
4,4'-DDE [1]	ND	0.0043	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:38	JMB
4,4'-DDT [1]	ND	0.0043	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:38	JMB
Dieldrin [1]	ND	0.0043	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:38	JMB
Endosulfan I [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:38	JMB
Endosulfan II [1]	ND	0.0085	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:38	JMB
Endosulfan sulfate [1]	ND	0.0085	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:38	JMB
Endrin [1]	ND	0.0085	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:38	JMB
Endrin aldehyde [1]	ND	0.0085	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:38	JMB
Endrin ketone [1]	ND	0.0085	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:38	JMB
Heptachlor [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:38	JMB
Heptachlor epoxide [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:38	JMB
Hexachlorobenzene [1]	ND	0.0064	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:38	JMB
Methoxychlor [1]	ND	0.053	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:38	JMB
Toxaphene [1]	ND	0.11	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 2:38	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		67.2	30-150					10/15/19 2:38	
Decachlorobiphenyl [2]		68.6	30-150					10/15/19 2:38	
Tetrachloro-m-xylene [1]		65.4	30-150					10/15/19 2:38	
Tetrachloro-m-xylene [2]		64.0	30-150					10/15/19 2:38	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-10 (0-2')

Sampled: 10/2/2019 09:20

Sample ID: 19J0330-08

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	27	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 18:09	JMB
2,4-DB [1]	ND	27	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 18:09	JMB
2,4,5-TP (Silvex) [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 18:09	JMB
2,4,5-T [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 18:09	JMB
Dalapon [1]	ND	67	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 18:09	JMB
Dicamba [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 18:09	JMB
Dichloroprop [1]	ND	27	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 18:09	JMB
Dinoseb [1]	ND	13	µg/kg dry	1	V-20	SW-846 8151A	10/8/19	10/9/19 18:09	JMB
MCPA [1]	ND	2700	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 18:09	JMB
MCPA [1]	ND	2700	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 18:09	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2,4-Dichlorophenylacetic acid [1]		92.0	30-150					10/9/19 18:09	
2,4-Dichlorophenylacetic acid [2]		93.9	30-150					10/9/19 18:09	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-10 (0-2')

Sampled: 10/2/2019 09:20

Sample ID: 19J0330-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	0.039	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:31	TG
Aroclor-1221 [1]	ND	0.086	0.065	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:31	TG
Aroclor-1232 [1]	ND	0.086	0.078	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:31	TG
Aroclor-1242 [1]	ND	0.086	0.065	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:31	TG
Aroclor-1248 [1]	ND	0.086	0.030	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:31	TG
Aroclor-1254 [1]	ND	0.086	0.035	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:31	TG
Aroclor-1260 [1]	ND	0.086	0.047	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:31	TG
Aroclor-1262 [1]	ND	0.086	0.043	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:31	TG
Aroclor-1268 [1]	ND	0.086	0.069	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:31	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		97.5	30-150						10/14/19 18:31	
Decachlorobiphenyl [2]		106	30-150						10/14/19 18:31	
Tetrachloro-m-xylene [1]		100	30-150						10/14/19 18:31	
Tetrachloro-m-xylene [2]		106	30-150						10/14/19 18:31	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-10 (0-2')

Sampled: 10/2/2019 09:20

Sample ID: 19J0330-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.5	1.8	0.34	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:54	TBC/MJH
Barium	71	1.8	0.38	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:54	TBC/MJH
Cadmium	0.16	0.18	0.063	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 17:54	TBC/MJH
Chromium	11	0.35	0.25	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:54	TBC/MJH
Lead	16	0.53	0.22	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:54	TBC/MJH
Mercury	0.036	0.025	0.0076	mg/Kg dry	1		SW-846 7471B	10/11/19	10/12/19 12:14	AJL
Selenium	ND	3.5	1.7	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:54	TBC/MJH
Silver	ND	0.35	0.16	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 17:54	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-10 (0-2')

Sampled: 10/2/2019 09:20

Sample ID: 19J0330-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.7		% Wt	1		SM 2540G	10/11/19	10/12/19 9:39	ADB + CBM

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-10 (0-2')

Sampled: 10/2/2019 09:20

Sample ID: 19J0330-08

Sample Matrix: Soil

Inorganic Analyses - Asbestos

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Asbestos - Chrysotile	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Amosite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Crocidolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Actinolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Tremolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Anthophyllite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Fiberglass	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Mineral Wool	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Cellulose	<1		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Hair	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Synthetic	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Other Non-asbestos	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Non-Fibrous Minerals	100		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Binder/Filler	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Organic Material	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Gypsum	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-7 (8')

Sampled: 10/2/2019 16:40

Sample ID: 19J0330-09

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.028	0.13	0.011	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Acrylonitrile	ND	0.0081	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0013	0.00040	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Benzene	ND	0.0027	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Bromobenzene	ND	0.0027	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Bromochloromethane	ND	0.0054	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Bromodichloromethane	ND	0.0027	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Bromoform	ND	0.0054	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Bromomethane	ND	0.013	0.0015	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
2-Butanone (MEK)	ND	0.054	0.0074	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
tert-Butyl Alcohol (TBA)	ND	0.054	0.0060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
n-Butylbenzene	ND	0.0027	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
sec-Butylbenzene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
tert-Butylbenzene	ND	0.0027	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0013	0.00027	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Carbon Disulfide	ND	0.0081	0.0073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Carbon Tetrachloride	ND	0.0027	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Chlorobenzene	ND	0.0027	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Chlorodibromomethane	ND	0.0027	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Chloroethane	ND	0.027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Chloroform	ND	0.0054	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Chloromethane	ND	0.013	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
2-Chlorotoluene	ND	0.0027	0.00040	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
4-Chlorotoluene	ND	0.0027	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0027	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Dibromomethane	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
1,2-Dichlorobenzene	ND	0.0027	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
1,3-Dichlorobenzene	ND	0.0027	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
1,4-Dichlorobenzene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
trans-1,4-Dichloro-2-butene	ND	0.0054	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.027	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
1,1-Dichloroethane	ND	0.0027	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
1,2-Dichloroethane	ND	0.0027	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
1,1-Dichloroethylene	ND	0.0054	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
cis-1,2-Dichloroethylene	ND	0.0027	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
trans-1,2-Dichloroethylene	ND	0.0027	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
1,2-Dichloropropane	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
1,3-Dichloropropane	ND	0.0013	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
2,2-Dichloropropane	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
1,1-Dichloropropene	ND	0.0054	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
cis-1,3-Dichloropropene	ND	0.0013	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
trans-1,3-Dichloropropene	ND	0.0013	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Diethyl Ether	ND	0.027	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-7 (8')

Sampled: 10/2/2019 16:40

Sample ID: 19J0330-09

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0013	0.00027	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
1,4-Dioxane	ND	0.13	0.0071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Ethylbenzene	ND	0.0027	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Hexachlorobutadiene	ND	0.0027	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
2-Hexanone (MBK)	ND	0.027	0.0027	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Isopropylbenzene (Cumene)	ND	0.0027	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0027	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Methyl Acetate	ND	0.0027	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0054	0.00040	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Methyl Cyclohexane	ND	0.0027	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Methylene Chloride	ND	0.027	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.027	0.0034	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Naphthalene	ND	0.0054	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
n-Propylbenzene	ND	0.0027	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Styrene	ND	0.0027	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
1,1,1,2-Tetrachloroethane	ND	0.0027	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
1,1,2,2-Tetrachloroethane	ND	0.0013	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Tetrachloroethylene	ND	0.0027	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Tetrahydrofuran	ND	0.013	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Toluene	ND	0.0027	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
1,2,3-Trichlorobenzene	ND	0.0027	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
1,2,4-Trichlorobenzene	ND	0.0027	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
1,3,5-Trichlorobenzene	ND	0.0027	0.00040	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
1,1,1-Trichloroethane	ND	0.0027	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
1,1,2-Trichloroethane	ND	0.0027	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Trichloroethylene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
1,2,3-Trichloropropane	ND	0.0054	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.013	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
1,2,4-Trimethylbenzene	ND	0.0027	0.00040	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
1,3,5-Trimethylbenzene	ND	0.0027	0.00067	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Vinyl Chloride	ND	0.013	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
m+p Xylene	ND	0.0054	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
o-Xylene	ND	0.0027	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:24	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		98.9	70-130						10/8/19 8:24	
Toluene-d8		100	70-130						10/8/19 8:24	
4-Bromofluorobenzene		100	70-130						10/8/19 8:24	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-7 (8')

Sampled: 10/2/2019 16:40

Sample ID: 19J0330-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Acenaphthylene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Acetophenone	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Aniline	ND	0.38	0.089	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Anthracene	ND	0.19	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Benzidine	ND	0.73	0.20	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Benzo(a)anthracene	0.13	0.19	0.12	mg/Kg dry	1	J	SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Benzo(a)pyrene	0.13	0.19	0.12	mg/Kg dry	1	J	SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Benzo(b)fluoranthene	0.15	0.19	0.12	mg/Kg dry	1	J	SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Benzo(g,h,i)perylene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Benzo(k)fluoranthene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Benzoic Acid	ND	1.1	0.65	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Bis(2-chloroethoxy)methane	ND	0.38	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Bis(2-chloroethyl)ether	ND	0.38	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Bis(2-chloroisopropyl)ether	ND	0.38	0.26	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
4-Bromophenylphenylether	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Butylbenzylphthalate	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Carbazole	ND	0.19	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
4-Chloroaniline	ND	0.73	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
4-Chloro-3-methylphenol	ND	0.73	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
2-Chloronaphthalene	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
2-Chlorophenol	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
4-Chlorophenylphenylether	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Chrysene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Dibenz(a,h)anthracene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Dibenzofuran	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Di-n-butylphthalate	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
1,2-Dichlorobenzene	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
1,3-Dichlorobenzene	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
1,4-Dichlorobenzene	ND	0.38	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
3,3-Dichlorobenzidine	ND	0.19	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
2,4-Dichlorophenol	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Diethylphthalate	ND	0.38	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
2,4-Dimethylphenol	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Dimethylphthalate	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
4,6-Dinitro-2-methylphenol	ND	0.38	0.33	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
2,4-Dinitrophenol	ND	0.73	0.51	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
2,4-Dinitrotoluene	ND	0.38	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
2,6-Dinitrotoluene	ND	0.38	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Di-n-octylphthalate	ND	0.38	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Fluoranthene	0.25	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Fluorene	ND	0.19	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-7 (8')

Sampled: 10/2/2019 16:40

Sample ID: 19J0330-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.38	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Hexachlorobutadiene	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Hexachlorocyclopentadiene	ND	0.38	0.31	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Hexachloroethane	ND	0.38	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Indeno(1,2,3-cd)pyrene	ND	0.19	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Isophorone	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
1-Methylnaphthalene	ND	0.19	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
2-Methylnaphthalene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
2-Methylphenol	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
3/4-Methylphenol	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Naphthalene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
2-Nitroaniline	ND	0.38	0.22	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
3-Nitroaniline	ND	0.38	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
4-Nitroaniline	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Nitrobenzene	ND	0.38	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
2-Nitrophenol	ND	0.38	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
4-Nitrophenol	ND	0.73	0.27	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 14:25	KLB
N-Nitrosodimethylamine	ND	0.38	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
N-Nitrosodi-n-propylamine	ND	0.38	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Pentachloronitrobenzene	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Pentachlorophenol	ND	0.38	0.26	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Phenanthrene	0.14	0.19	0.10	mg/Kg dry	1	J	SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Phenol	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Pyrene	0.30	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
Pyridine	ND	0.38	0.11	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 14:25	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
1,2,4-Trichlorobenzene	ND	0.38	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
2,4,5-Trichlorophenol	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB
2,4,6-Trichlorophenol	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:25	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	64.7	30-130	
Phenol-d6	62.6	30-130	
Nitrobenzene-d5	73.1	30-130	
2-Fluorobiphenyl	77.7	30-130	
2,4,6-Tribromophenol	92.3	30-130	
p-Terphenyl-d14	113	30-130	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-7 (8')

Sampled: 10/2/2019 16:40

Sample ID: 19J0330-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	0.041	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:44	TG
Aroclor-1221 [1]	ND	0.091	0.068	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:44	TG
Aroclor-1232 [1]	ND	0.091	0.081	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:44	TG
Aroclor-1242 [1]	ND	0.091	0.068	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:44	TG
Aroclor-1248 [1]	ND	0.091	0.032	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:44	TG
Aroclor-1254 [1]	ND	0.091	0.036	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:44	TG
Aroclor-1260 [1]	ND	0.091	0.050	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:44	TG
Aroclor-1262 [1]	ND	0.091	0.045	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:44	TG
Aroclor-1268 [1]	ND	0.091	0.072	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 18:44	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		95.5	30-150						10/14/19 18:44	
Decachlorobiphenyl [2]		101	30-150						10/14/19 18:44	
Tetrachloro-m-xylene [1]		101	30-150						10/14/19 18:44	
Tetrachloro-m-xylene [2]		105	30-150						10/14/19 18:44	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-7 (8')

Sampled: 10/2/2019 16:40

Sample ID: 19J0330-09

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
								Prepared	Analyzed	
Arsenic	2.7	1.9	0.36	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:00	TBC/MJH
Barium	120	1.9	0.40	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:00	TBC/MJH
Cadmium	0.24	0.19	0.067	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:00	TBC/MJH
Chromium	16	0.37	0.27	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:00	TBC/MJH
Lead	85	0.56	0.23	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:00	TBC/MJH
Mercury	0.28	0.029	0.0088	mg/Kg dry	1		SW-846 7471B	10/11/19	10/12/19 12:16	AJL
Selenium	ND	3.7	1.8	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:00	TBC/MJH
Silver	ND	0.37	0.16	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:00	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Sampled: 10/2/2019 16:40

Field Sample #: TP-7 (8')

Sample ID: 19J0330-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.4		% Wt	1		SM 2540G	10/11/19	10/12/19 9:39	AJB + CBM

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-6 (0-2')

Sampled: 10/3/2019 08:10

Sample ID: 19J0330-10

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.14	0.012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Acrylonitrile	ND	0.0083	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0014	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Benzene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Bromobenzene	ND	0.0028	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Bromochloromethane	ND	0.0056	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Bromodichloromethane	ND	0.0028	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Bromoform	ND	0.0056	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Bromomethane	ND	0.014	0.0015	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
2-Butanone (MEK)	ND	0.056	0.0077	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
tert-Butyl Alcohol (TBA)	ND	0.056	0.0063	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
n-Butylbenzene	ND	0.0028	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
sec-Butylbenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
tert-Butylbenzene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0014	0.00028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Carbon Disulfide	ND	0.0083	0.0075	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Carbon Tetrachloride	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Chlorobenzene	ND	0.0028	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Chlorodibromomethane	ND	0.0028	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Chloroethane	ND	0.028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Chloroform	ND	0.0056	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Chloromethane	ND	0.014	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
2-Chlorotoluene	ND	0.0028	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
4-Chlorotoluene	ND	0.0028	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Dibromomethane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
1,2-Dichlorobenzene	ND	0.0028	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
1,3-Dichlorobenzene	ND	0.0028	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
1,4-Dichlorobenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
trans-1,4-Dichloro-2-butene	ND	0.0056	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.028	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
1,1-Dichloroethane	ND	0.0028	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
1,2-Dichloroethane	ND	0.0028	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
1,1-Dichloroethylene	ND	0.0056	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
cis-1,2-Dichloroethylene	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
trans-1,2-Dichloroethylene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
1,2-Dichloropropane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
1,3-Dichloropropane	ND	0.0014	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
2,2-Dichloropropane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
1,1-Dichloropropene	ND	0.0056	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
cis-1,3-Dichloropropene	ND	0.0014	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
trans-1,3-Dichloropropene	ND	0.0014	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Diethyl Ether	ND	0.028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-6 (0-2')

Sampled: 10/3/2019 08:10

Sample ID: 19J0330-10

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0014	0.00028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
1,4-Dioxane	ND	0.14	0.0074	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Ethylbenzene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Hexachlorobutadiene	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
2-Hexanone (MBK)	ND	0.028	0.0028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Isopropylbenzene (Cumene)	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0028	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Methyl Acetate	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0056	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Methyl Cyclohexane	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Methylene Chloride	0.014	0.028	0.0014	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.028	0.0035	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Naphthalene	ND	0.014	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
n-Propylbenzene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Styrene	ND	0.0028	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
1,1,1,2-Tetrachloroethane	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
1,1,2,2-Tetrachloroethane	ND	0.0014	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Tetrachloroethylene	ND	0.0028	0.0017	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Tetrahydrofuran	ND	0.014	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Toluene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
1,2,3-Trichlorobenzene	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
1,2,4-Trichlorobenzene	ND	0.0028	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
1,3,5-Trichlorobenzene	ND	0.0028	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
1,1,1-Trichloroethane	ND	0.0028	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
1,1,2-Trichloroethane	ND	0.0028	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Trichloroethylene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Trichlorofluoromethane (Freon 11)	ND	0.014	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
1,2,3-Trichloropropane	ND	0.0056	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.014	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
1,2,4-Trimethylbenzene	ND	0.0028	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
1,3,5-Trimethylbenzene	ND	0.0028	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Vinyl Chloride	ND	0.014	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
m+p Xylene	ND	0.0056	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
o-Xylene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/7/19 17:05	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		95.4	70-130						10/7/19 17:05	
Toluene-d8		88.3	70-130						10/7/19 17:05	
4-Bromofluorobenzene		102	70-130						10/7/19 17:05	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-6 (0-2')

Sampled: 10/3/2019 08:10

Sample ID: 19J0330-10

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Acenaphthylene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Acetophenone	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Aniline	ND	0.40	0.094	mg/Kg dry	1	MS-09	SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Anthracene	0.12	0.20	0.11	mg/Kg dry	1	J	SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Benzidine	ND	0.77	0.21	mg/Kg dry	1	MS-09, V-05, V-35	SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Benzo(a)anthracene	0.53	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Benzo(a)pyrene	0.49	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Benzo(b)fluoranthene	0.61	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Benzo(g,h,i)perylene	0.32	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Benzo(k)fluoranthene	0.25	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Benzoic Acid	ND	1.2	0.69	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Bis(2-chloroethoxy)methane	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Bis(2-chloroethyl)ether	ND	0.40	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Bis(2-chloroisopropyl)ether	ND	0.40	0.27	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
4-Bromophenylphenylether	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Butylbenzylphthalate	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Carbazole	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
4-Chloroaniline	ND	0.77	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
4-Chloro-3-methylphenol	ND	0.77	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
2-Chloronaphthalene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
2-Chlorophenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
4-Chlorophenylphenylether	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Chrysene	0.58	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Dibenz(a,h)anthracene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Dibenzofuran	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Di-n-butylphthalate	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
1,2-Dichlorobenzene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
1,3-Dichlorobenzene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
1,4-Dichlorobenzene	ND	0.40	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
3,3-Dichlorobenzidine	ND	0.20	0.15	mg/Kg dry	1	MS-09	SW-846 8270D	10/8/19	10/9/19 14:47	KLB
2,4-Dichlorophenol	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Diethylphthalate	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
2,4-Dimethylphenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Dimethylphthalate	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
4,6-Dinitro-2-methylphenol	ND	0.40	0.35	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
2,4-Dinitrophenol	ND	0.77	0.54	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
2,4-Dinitrotoluene	ND	0.40	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
2,6-Dinitrotoluene	ND	0.40	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Di-n-octylphthalate	ND	0.40	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Fluoranthene	1.1	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Fluorene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-6 (0-2')

Sampled: 10/3/2019 08:10

Sample ID: 19J0330-10

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.40	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Hexachlorobutadiene	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Hexachlorocyclopentadiene	ND	0.40	0.33	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Hexachloroethane	ND	0.40	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Indeno(1,2,3-cd)pyrene	0.38	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Isophorone	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
1-Methylnaphthalene	0.17	0.20	0.11	mg/Kg dry	1	R-06, J	SW-846 8270D	10/8/19	10/9/19 14:47	KLB
2-Methylnaphthalene	0.20	0.20	0.13	mg/Kg dry	1	R-06	SW-846 8270D	10/8/19	10/9/19 14:47	KLB
2-Methylphenol	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
3/4-Methylphenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Naphthalene	0.15	0.20	0.13	mg/Kg dry	1	R-06, J	SW-846 8270D	10/8/19	10/9/19 14:47	KLB
2-Nitroaniline	ND	0.40	0.23	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
3-Nitroaniline	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
4-Nitroaniline	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Nitrobenzene	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
2-Nitrophenol	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
4-Nitrophenol	ND	0.77	0.28	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 14:47	KLB
N-Nitrosodimethylamine	ND	0.40	0.21	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
N-Nitrosodi-n-propylamine	ND	0.40	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Pentachloronitrobenzene	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Pentachlorophenol	ND	0.40	0.27	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Phenanthrene	0.89	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Phenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Pyrene	1.2	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
Pyridine	ND	0.40	0.12	mg/Kg dry	1	MS-09, V-05	SW-846 8270D	10/8/19	10/9/19 14:47	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
1,2,4-Trichlorobenzene	ND	0.40	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
2,4,5-Trichlorophenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB
2,4,6-Trichlorophenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 14:47	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	53.9	30-130	10/9/19 14:47
Phenol-d6	56.8	30-130	10/9/19 14:47
Nitrobenzene-d5	65.6	30-130	10/9/19 14:47
2-Fluorobiphenyl	72.6	30-130	10/9/19 14:47
2,4,6-Tribromophenol	74.4	30-130	10/9/19 14:47
p-Terphenyl-d14	108	30-130	10/9/19 14:47

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-6 (0-2')

Sampled: 10/3/2019 08:10

Sample ID: 19J0330-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	0.042	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 19:44	TG
Aroclor-1221 [1]	ND	0.094	0.071	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 19:44	TG
Aroclor-1232 [1]	ND	0.094	0.085	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 19:44	TG
Aroclor-1242 [1]	ND	0.094	0.071	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 19:44	TG
Aroclor-1248 [1]	ND	0.094	0.033	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 19:44	TG
Aroclor-1254 [1]	0.14	0.094	0.038	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 19:44	TG
Aroclor-1260 [1]	ND	0.094	0.052	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 19:44	TG
Aroclor-1262 [1]	ND	0.094	0.047	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 19:44	TG
Aroclor-1268 [1]	ND	0.094	0.075	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 19:44	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		86.6	30-150						10/14/19 19:44	
Decachlorobiphenyl [2]		92.6	30-150						10/14/19 19:44	
Tetrachloro-m-xylene [1]		90.9	30-150						10/14/19 19:44	
Tetrachloro-m-xylene [2]		94.0	30-150						10/14/19 19:44	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-6 (0-2')

Sampled: 10/3/2019 08:10

Sample ID: 19J0330-10

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
								Prepared	Analyzed	
Arsenic	8.2	1.9	0.38	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:06	TBC/MJH
Barium	130	1.9	0.42	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:06	TBC/MJH
Cadmium	0.90	0.19	0.070	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:06	TBC/MJH
Chromium	30	0.39	0.28	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:06	TBC/MJH
Lead	250	0.58	0.24	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:06	TBC/MJH
Mercury	0.29	0.030	0.0091	mg/Kg dry	1		SW-846 7471B	10/11/19	10/12/19 12:18	AJL
Selenium	ND	3.9	1.9	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:06	TBC/MJH
Silver	ND	0.39	0.17	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:06	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Sampled: 10/3/2019 08:10

Field Sample #: TP-6 (0-2')

Sample ID: 19J0330-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.0		% Wt	1		SM 2540G	10/11/19	10/12/19 9:39	AJB + CBM

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Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-9 (10')

Sampled: 10/3/2019 10:35

Sample ID: 19J0330-11

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.13	0.011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Acrylonitrile	ND	0.0081	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0013	0.00040	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Benzene	ND	0.0027	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Bromobenzene	ND	0.0027	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Bromochloromethane	ND	0.0054	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Bromodichloromethane	ND	0.0027	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Bromoform	ND	0.0054	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Bromomethane	ND	0.013	0.0015	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
2-Butanone (MEK)	ND	0.054	0.0074	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
tert-Butyl Alcohol (TBA)	ND	0.054	0.0061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
n-Butylbenzene	ND	0.0027	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
sec-Butylbenzene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
tert-Butylbenzene	ND	0.0027	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0013	0.00027	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Carbon Disulfide	ND	0.0081	0.0073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Carbon Tetrachloride	ND	0.0027	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Chlorobenzene	ND	0.0027	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Chlorodibromomethane	ND	0.0027	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Chloroethane	ND	0.027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Chloroform	ND	0.0054	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Chloromethane	ND	0.013	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
2-Chlorotoluene	ND	0.0027	0.00040	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
4-Chlorotoluene	ND	0.0027	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0027	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Dibromomethane	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
1,2-Dichlorobenzene	ND	0.0027	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
1,3-Dichlorobenzene	ND	0.0027	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
1,4-Dichlorobenzene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
trans-1,4-Dichloro-2-butene	ND	0.0054	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.027	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
1,1-Dichloroethane	ND	0.0027	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
1,2-Dichloroethane	ND	0.0027	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
1,1-Dichloroethylene	ND	0.0054	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
cis-1,2-Dichloroethylene	ND	0.0027	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
trans-1,2-Dichloroethylene	ND	0.0027	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
1,2-Dichloropropane	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
1,3-Dichloropropane	ND	0.0013	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
2,2-Dichloropropane	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
1,1-Dichloropropene	ND	0.0054	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
cis-1,3-Dichloropropene	ND	0.0013	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
trans-1,3-Dichloropropene	ND	0.0013	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Diethyl Ether	ND	0.027	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-9 (10')

Sampled: 10/3/2019 10:35

Sample ID: 19J0330-11

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0013	0.00027	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
1,4-Dioxane	ND	0.13	0.0071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Ethylbenzene	ND	0.0027	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Hexachlorobutadiene	ND	0.0027	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
2-Hexanone (MBK)	ND	0.027	0.0027	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Isopropylbenzene (Cumene)	ND	0.0027	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0027	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Methyl Acetate	ND	0.0027	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0054	0.00040	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Methyl Cyclohexane	ND	0.0027	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Methylene Chloride	0.0066	0.027	0.0013	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.027	0.0034	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Naphthalene	ND	0.0054	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
n-Propylbenzene	ND	0.0027	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Styrene	ND	0.0027	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
1,1,1,2-Tetrachloroethane	ND	0.0027	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
1,1,2,2-Tetrachloroethane	ND	0.0013	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Tetrachloroethylene	ND	0.0027	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Tetrahydrofuran	ND	0.013	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Toluene	ND	0.0027	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
1,2,3-Trichlorobenzene	ND	0.0027	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
1,2,4-Trichlorobenzene	ND	0.0027	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
1,3,5-Trichlorobenzene	ND	0.0027	0.00040	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
1,1,1-Trichloroethane	ND	0.0027	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
1,1,2-Trichloroethane	ND	0.0027	0.00054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Trichloroethylene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
1,2,3-Trichloropropane	ND	0.0054	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.013	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
1,2,4-Trimethylbenzene	ND	0.0027	0.00040	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
1,3,5-Trimethylbenzene	ND	0.0027	0.00067	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Vinyl Chloride	ND	0.013	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
m+p Xylene	ND	0.0054	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
o-Xylene	ND	0.0027	0.00081	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 8:51	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		92.2	70-130						10/8/19 8:51	
Toluene-d8		96.8	70-130						10/8/19 8:51	
4-Bromofluorobenzene		86.2	70-130						10/8/19 8:51	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-9 (10')

Sampled: 10/3/2019 10:35

Sample ID: 19J0330-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Acenaphthylene	ND	0.21	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Acetophenone	ND	0.42	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Aniline	ND	0.42	0.099	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Anthracene	ND	0.21	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Benzidine	ND	0.81	0.22	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Benzo(a)anthracene	ND	0.21	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Benzo(a)pyrene	ND	0.21	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Benzo(b)fluoranthene	ND	0.21	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Benzo(g,h,i)perylene	ND	0.21	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Benzo(k)fluoranthene	ND	0.21	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Benzoic Acid	ND	1.2	0.73	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Bis(2-chloroethoxy)methane	ND	0.42	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Bis(2-chloroethyl)ether	ND	0.42	0.21	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Bis(2-chloroisopropyl)ether	ND	0.42	0.28	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.42	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
4-Bromophenylphenylether	ND	0.42	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Butylbenzylphthalate	ND	0.42	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Carbazole	ND	0.21	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
4-Chloroaniline	ND	0.81	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
4-Chloro-3-methylphenol	ND	0.81	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
2-Chloronaphthalene	ND	0.42	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
2-Chlorophenol	ND	0.42	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
4-Chlorophenylphenylether	ND	0.42	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Chrysene	ND	0.21	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Dibenz(a,h)anthracene	ND	0.21	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Dibenzofuran	ND	0.42	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Di-n-butylphthalate	ND	0.42	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
1,2-Dichlorobenzene	ND	0.42	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
1,3-Dichlorobenzene	ND	0.42	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
1,4-Dichlorobenzene	ND	0.42	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
3,3-Dichlorobenzidine	ND	0.21	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
2,4-Dichlorophenol	ND	0.42	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Diethylphthalate	ND	0.42	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
2,4-Dimethylphenol	ND	0.42	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Dimethylphthalate	ND	0.42	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
4,6-Dinitro-2-methylphenol	ND	0.42	0.37	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
2,4-Dinitrophenol	ND	0.81	0.57	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
2,4-Dinitrotoluene	ND	0.42	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
2,6-Dinitrotoluene	ND	0.42	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Di-n-octylphthalate	ND	0.42	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.42	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Fluoranthene	ND	0.21	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Fluorene	ND	0.21	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-9 (10')

Sampled: 10/3/2019 10:35

Sample ID: 19J0330-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.42	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Hexachlorobutadiene	ND	0.42	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Hexachlorocyclopentadiene	ND	0.42	0.34	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Hexachloroethane	ND	0.42	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Indeno(1,2,3-cd)pyrene	ND	0.21	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Isophorone	ND	0.42	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
1-Methylnaphthalene	ND	0.21	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
2-Methylnaphthalene	ND	0.21	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
2-Methylphenol	ND	0.42	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
3/4-Methylphenol	ND	0.42	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Naphthalene	ND	0.21	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
2-Nitroaniline	ND	0.42	0.25	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
3-Nitroaniline	ND	0.42	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
4-Nitroaniline	ND	0.42	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Nitrobenzene	ND	0.42	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
2-Nitrophenol	ND	0.42	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
4-Nitrophenol	ND	0.81	0.30	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 15:10	KLB
N-Nitrosodimethylamine	ND	0.42	0.22	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.42	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
N-Nitrosodi-n-propylamine	ND	0.42	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Pentachloronitrobenzene	ND	0.42	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Pentachlorophenol	ND	0.42	0.28	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Phenanthrene	ND	0.21	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Phenol	ND	0.42	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Pyrene	ND	0.21	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Pyridine	ND	0.42	0.12	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 15:10	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.42	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
1,2,4-Trichlorobenzene	ND	0.42	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
2,4,5-Trichlorophenol	ND	0.42	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
2,4,6-Trichlorophenol	ND	0.42	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:10	KLB
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
2-Fluorophenol		66.4	30-130						10/9/19 15:10	
Phenol-d6		70.3	30-130						10/9/19 15:10	
Nitrobenzene-d5		71.2	30-130						10/9/19 15:10	
2-Fluorobiphenyl		80.9	30-130						10/9/19 15:10	
2,4,6-Tribromophenol		112	30-130						10/9/19 15:10	
p-Terphenyl-d14		132	*	30-130		S-07			10/9/19 15:10	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-9 (10')

Sampled: 10/3/2019 10:35

Sample ID: 19J0330-11

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.023	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:06	JMB
Aldrin [1]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:06	JMB
alpha-BHC [1]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:06	JMB
beta-BHC [1]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:06	JMB
delta-BHC [1]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:06	JMB
gamma-BHC (Lindane) [1]	ND	0.0023	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:06	JMB
Chlordane [1]	ND	0.023	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:06	JMB
4,4'-DDD [1]	ND	0.0046	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:06	JMB
4,4'-DDE [1]	ND	0.0046	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:06	JMB
4,4'-DDT [1]	ND	0.0046	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:06	JMB
Dieldrin [1]	ND	0.0046	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:06	JMB
Endosulfan I [1]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:06	JMB
Endosulfan II [1]	ND	0.0093	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:06	JMB
Endosulfan sulfate [1]	ND	0.0093	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:06	JMB
Endrin [1]	ND	0.0093	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:06	JMB
Endrin aldehyde [1]	ND	0.0093	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:06	JMB
Endrin ketone [1]	ND	0.0093	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:06	JMB
Heptachlor [1]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:06	JMB
Heptachlor epoxide [1]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:06	JMB
Hexachlorobenzene [1]	ND	0.0070	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:06	JMB
Methoxychlor [1]	ND	0.058	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:06	JMB
Toxaphene [1]	ND	0.12	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:06	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.6	30-150					10/15/19 3:06	
Decachlorobiphenyl [2]		78.1	30-150					10/15/19 3:06	
Tetrachloro-m-xylene [1]		84.0	30-150					10/15/19 3:06	
Tetrachloro-m-xylene [2]		83.1	30-150					10/15/19 3:06	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-9 (10')

Sampled: 10/3/2019 10:35

Sample ID: 19J0330-11

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	31	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 18:48	JMB
2,4-DB [1]	ND	31	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 18:48	JMB
2,4,5-TP (Silvex) [1]	ND	3.1	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 18:48	JMB
2,4,5-T [1]	ND	3.1	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 18:48	JMB
Dalalpon [1]	ND	78	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 18:48	JMB
Dicamba [1]	ND	3.1	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 18:48	JMB
Dichloroprop [1]	ND	31	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 18:48	JMB
Dinoseb [1]	ND	16	µg/kg dry	1	V-20	SW-846 8151A	10/8/19	10/9/19 18:48	JMB
MCPA [1]	ND	3100	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 18:48	JMB
MCPA [1]	ND	3100	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 18:48	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2,4-Dichlorophenylacetic acid [1]		82.7	30-150					10/9/19 18:48	
2,4-Dichlorophenylacetic acid [2]		79.9	30-150					10/9/19 18:48	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-9 (10')

Sampled: 10/3/2019 10:35

Sample ID: 19J0330-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	0.045	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 19:56	TG
Aroclor-1221 [1]	ND	0.099	0.074	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 19:56	TG
Aroclor-1232 [1]	ND	0.099	0.089	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 19:56	TG
Aroclor-1242 [1]	ND	0.099	0.074	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 19:56	TG
Aroclor-1248 [1]	ND	0.099	0.035	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 19:56	TG
Aroclor-1254 [1]	ND	0.099	0.040	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 19:56	TG
Aroclor-1260 [1]	ND	0.099	0.055	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 19:56	TG
Aroclor-1262 [1]	ND	0.099	0.050	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 19:56	TG
Aroclor-1268 [1]	ND	0.099	0.079	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 19:56	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		86.6	30-150						10/14/19 19:56	
Decachlorobiphenyl [2]		91.9	30-150						10/14/19 19:56	
Tetrachloro-m-xylene [1]		93.9	30-150						10/14/19 19:56	
Tetrachloro-m-xylene [2]		99.9	30-150						10/14/19 19:56	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Sampled: 10/3/2019 10:35

Field Sample #: TP-9 (10')

Sample ID: 19J0330-11

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
								Prepared	Analyzed	
Arsenic	2.1	2.1	0.40	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 18:10	TBC/MJH
Barium	79	2.1	0.45	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:10	TBC/MJH
Cadmium	ND	0.21	0.075	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:10	TBC/MJH
Chromium	12	0.42	0.30	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:10	TBC/MJH
Lead	11	0.63	0.26	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:10	TBC/MJH
Mercury	0.013	0.032	0.0097	mg/Kg dry	1	J	SW-846 7471B	10/11/19	10/12/19 12:19	AJL
Selenium	ND	4.2	2.0	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:10	TBC/MJH
Silver	ND	0.42	0.18	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:10	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Sampled: 10/3/2019 10:35

Field Sample #: TP-9 (10')

Sample ID: 19J0330-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.9		% Wt	1		SM 2540G	10/11/19	10/12/19 9:39	AJB + CBM

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-9 (10')

Sampled: 10/3/2019 10:35

Sample ID: 19J0330-11

Sample Matrix: Soil

Inorganic Analyses - Asbestos

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Asbestos - Chrysotile	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Amosite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Crocidolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Actinolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Tremolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Anthophyllite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Fiberglass	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Mineral Wool	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Cellulose	<1		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Hair	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Synthetic	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Other Non-asbestos	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Non-Fibrous Minerals	100		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Binder/Filler	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Organic Material	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Gypsum	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-10 (5-6')

Sampled: 10/2/2019 10:00

Sample ID: 19J0330-12

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.0099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Acrylonitrile	ND	0.0070	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00035	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Benzene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Bromobenzene	ND	0.0023	0.00047	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Bromochloromethane	ND	0.0047	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Bromodichloromethane	ND	0.0023	0.00059	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Bromoform	ND	0.0047	0.00082	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Bromomethane	ND	0.012	0.0013	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
2-Butanone (MEK)	ND	0.047	0.0065	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
tert-Butyl Alcohol (TBA)	ND	0.047	0.0053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
n-Butylbenzene	ND	0.0023	0.00059	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
sec-Butylbenzene	ND	0.0023	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
tert-Butylbenzene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00023	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Carbon Disulfide	ND	0.0070	0.0063	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Carbon Tetrachloride	ND	0.0023	0.00082	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Chlorobenzene	ND	0.0023	0.00059	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Chlorodibromomethane	ND	0.0023	0.00047	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Chloroethane	ND	0.023	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Chloroform	ND	0.0047	0.00059	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Chloromethane	ND	0.012	0.00082	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
2-Chlorotoluene	ND	0.0023	0.00035	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
4-Chlorotoluene	ND	0.0023	0.00047	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0023	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00082	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Dibromomethane	ND	0.0023	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
1,2-Dichlorobenzene	ND	0.0023	0.00047	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
1,3-Dichlorobenzene	ND	0.0023	0.00047	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
1,4-Dichlorobenzene	ND	0.0023	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
trans-1,4-Dichloro-2-butene	ND	0.0047	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
1,1-Dichloroethane	ND	0.0023	0.00047	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
1,2-Dichloroethane	ND	0.0023	0.00059	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
1,1-Dichloroethylene	ND	0.0047	0.00082	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
cis-1,2-Dichloroethylene	ND	0.0023	0.00082	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
trans-1,2-Dichloroethylene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
1,2-Dichloropropane	ND	0.0023	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
1,3-Dichloropropane	ND	0.0012	0.00059	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
2,2-Dichloropropane	ND	0.0023	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
1,1-Dichloropropene	ND	0.0047	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00047	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00047	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Diethyl Ether	ND	0.023	0.00082	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-10 (5-6')

Sampled: 10/2/2019 10:00

Sample ID: 19J0330-12

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00023	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
1,4-Dioxane	ND	0.12	0.0062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Ethylbenzene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Hexachlorobutadiene	ND	0.0023	0.00082	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
2-Hexanone (MBK)	ND	0.023	0.0023	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Isopropylbenzene (Cumene)	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0023	0.00059	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Methyl Acetate	ND	0.0023	0.00082	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0047	0.00035	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Methyl Cyclohexane	ND	0.0023	0.00082	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Methylene Chloride	ND	0.023	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	0.0029	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Naphthalene	ND	0.0047	0.00047	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
n-Propylbenzene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Styrene	ND	0.0023	0.00047	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
1,1,1,2-Tetrachloroethane	ND	0.0023	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00047	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Tetrachloroethylene	ND	0.0023	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Tetrahydrofuran	ND	0.012	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Toluene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
1,2,3-Trichlorobenzene	ND	0.0023	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
1,2,4-Trichlorobenzene	ND	0.0023	0.00047	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
1,3,5-Trichlorobenzene	ND	0.0023	0.00035	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
1,1,1-Trichloroethane	ND	0.0023	0.00059	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
1,1,2-Trichloroethane	ND	0.0023	0.00047	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Trichloroethylene	ND	0.0023	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00082	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
1,2,3-Trichloropropane	ND	0.0047	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.00094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
1,2,4-Trimethylbenzene	ND	0.0023	0.00035	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
1,3,5-Trimethylbenzene	ND	0.0023	0.00059	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Vinyl Chloride	ND	0.012	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
m+p Xylene	ND	0.0047	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
o-Xylene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:18	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		94.5	70-130						10/8/19 9:18	
Toluene-d8		83.9	70-130						10/8/19 9:18	
4-Bromofluorobenzene		106	70-130						10/8/19 9:18	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-10 (5-6')

Sampled: 10/2/2019 10:00

Sample ID: 19J0330-12

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	0.099	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Acenaphthylene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Acetophenone	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Aniline	ND	0.37	0.088	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Anthracene	ND	0.19	0.099	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Benzidine	ND	0.72	0.20	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Benzo(a)anthracene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Benzo(a)pyrene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Benzo(b)fluoranthene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Benzo(g,h,i)perylene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Benzo(k)fluoranthene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Benzoic Acid	ND	1.1	0.65	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Bis(2-chloroethoxy)methane	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Bis(2-chloroethyl)ether	ND	0.37	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Bis(2-chloroisopropyl)ether	ND	0.37	0.25	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
4-Bromophenylphenylether	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Butylbenzylphthalate	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Carbazole	ND	0.19	0.099	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
4-Chloroaniline	ND	0.72	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
4-Chloro-3-methylphenol	ND	0.72	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
2-Chloronaphthalene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
2-Chlorophenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
4-Chlorophenylphenylether	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Chrysene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Dibenz(a,h)anthracene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Dibenzofuran	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Di-n-butylphthalate	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
1,2-Dichlorobenzene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
1,3-Dichlorobenzene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
1,4-Dichlorobenzene	ND	0.37	0.099	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
3,3-Dichlorobenzidine	ND	0.19	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
2,4-Dichlorophenol	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Diethylphthalate	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
2,4-Dimethylphenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Dimethylphthalate	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
4,6-Dinitro-2-methylphenol	ND	0.37	0.33	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
2,4-Dinitrophenol	ND	0.72	0.51	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
2,4-Dinitrotoluene	ND	0.37	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
2,6-Dinitrotoluene	ND	0.37	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Di-n-octylphthalate	ND	0.37	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Fluoranthene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Fluorene	ND	0.19	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-10 (5-6')

Sampled: 10/2/2019 10:00

Sample ID: 19J0330-12

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.37	0.099	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Hexachlorobutadiene	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Hexachlorocyclopentadiene	ND	0.37	0.31	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Hexachloroethane	ND	0.37	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Indeno(1,2,3-cd)pyrene	ND	0.19	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Isophorone	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
1-Methylnaphthalene	ND	0.19	0.099	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
2-Methylnaphthalene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
2-Methylphenol	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
3/4-Methylphenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Naphthalene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
2-Nitroaniline	ND	0.37	0.22	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
3-Nitroaniline	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
4-Nitroaniline	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Nitrobenzene	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
2-Nitrophenol	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
4-Nitrophenol	ND	0.72	0.26	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 15:32	KLB
N-Nitrosodimethylamine	ND	0.37	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
N-Nitrosodi-n-propylamine	ND	0.37	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Pentachloronitrobenzene	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Pentachlorophenol	ND	0.37	0.25	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Phenanthrene	ND	0.19	0.099	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Phenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Pyrene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
Pyridine	ND	0.37	0.11	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 15:32	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
1,2,4-Trichlorobenzene	ND	0.37	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
2,4,5-Trichlorophenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB
2,4,6-Trichlorophenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:32	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	62.7	30-130	
Phenol-d6	66.9	30-130	
Nitrobenzene-d5	68.8	30-130	
2-Fluorobiphenyl	78.4	30-130	
2,4,6-Tribromophenol	95.7	30-130	
p-Terphenyl-d14	121	30-130	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-10 (5-6')

Sampled: 10/2/2019 10:00

Sample ID: 19J0330-12

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.020	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:33	JMB
Aldrin [1]	ND	0.0051	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:33	JMB
alpha-BHC [1]	ND	0.0051	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:33	JMB
beta-BHC [1]	ND	0.0051	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:33	JMB
delta-BHC [1]	ND	0.0051	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:33	JMB
gamma-BHC (Lindane) [1]	ND	0.0020	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:33	JMB
Chlordane [1]	ND	0.020	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:33	JMB
4,4'-DDD [1]	ND	0.0041	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:33	JMB
4,4'-DDE [1]	ND	0.0041	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:33	JMB
4,4'-DDT [1]	ND	0.0041	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:33	JMB
Dieldrin [1]	ND	0.0041	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:33	JMB
Endosulfan I [1]	ND	0.0051	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:33	JMB
Endosulfan II [1]	ND	0.0082	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:33	JMB
Endosulfan sulfate [1]	ND	0.0082	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:33	JMB
Endrin [1]	ND	0.0082	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:33	JMB
Endrin aldehyde [1]	ND	0.0082	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:33	JMB
Endrin ketone [1]	ND	0.0082	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:33	JMB
Heptachlor [1]	ND	0.0051	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:33	JMB
Heptachlor epoxide [1]	ND	0.0051	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:33	JMB
Hexachlorobenzene [1]	ND	0.0061	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:33	JMB
Methoxychlor [1]	ND	0.051	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:33	JMB
Toxaphene [1]	ND	0.10	mg/Kg dry	1		SW-846 8081B	10/11/19	10/15/19 3:33	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		66.4	30-150					10/15/19 3:33	
Decachlorobiphenyl [2]		64.1	30-150					10/15/19 3:33	
Tetrachloro-m-xylene [1]		69.6	30-150					10/15/19 3:33	
Tetrachloro-m-xylene [2]		60.4	30-150					10/15/19 3:33	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-10 (5-6')

Sampled: 10/2/2019 10:00

Sample ID: 19J0330-12

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	27	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 19:28	JMB
2,4-DB [1]	ND	27	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 19:28	JMB
2,4,5-TP (Silvex) [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 19:28	JMB
2,4,5-T [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 19:28	JMB
Dalapon [1]	ND	68	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 19:28	JMB
Dicamba [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 19:28	JMB
Dichloroprop [1]	ND	27	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 19:28	JMB
Dinoseb [1]	ND	14	µg/kg dry	1	V-20	SW-846 8151A	10/8/19	10/9/19 19:28	JMB
MCPA [1]	ND	2700	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 19:28	JMB
MCPP [1]	ND	2700	µg/kg dry	1		SW-846 8151A	10/8/19	10/9/19 19:28	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2,4-Dichlorophenylacetic acid [1]		66.5	30-150					10/9/19 19:28	
2,4-Dichlorophenylacetic acid [2]		74.0	30-150					10/9/19 19:28	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-10 (5-6')

Sampled: 10/2/2019 10:00

Sample ID: 19J0330-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	0.040	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:09	TG
Aroclor-1221 [1]	ND	0.088	0.066	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:09	TG
Aroclor-1232 [1]	ND	0.088	0.079	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:09	TG
Aroclor-1242 [1]	ND	0.088	0.066	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:09	TG
Aroclor-1248 [1]	ND	0.088	0.031	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:09	TG
Aroclor-1254 [1]	ND	0.088	0.035	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:09	TG
Aroclor-1260 [1]	ND	0.088	0.048	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:09	TG
Aroclor-1262 [1]	ND	0.088	0.044	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:09	TG
Aroclor-1268 [1]	ND	0.088	0.070	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:09	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		95.4	30-150						10/14/19 20:09	
Decachlorobiphenyl [2]		103	30-150						10/14/19 20:09	
Tetrachloro-m-xylene [1]		103	30-150						10/14/19 20:09	
Tetrachloro-m-xylene [2]		108	30-150						10/14/19 20:09	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-10 (5-6')

Sampled: 10/2/2019 10:00

Sample ID: 19J0330-12

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
								Prepared	Analyzed	
Arsenic	4.0	1.8	0.35	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:16	TBC/MJH
Barium	64	1.8	0.38	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:16	TBC/MJH
Cadmium	0.24	0.18	0.064	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:16	TBC/MJH
Chromium	10	0.36	0.26	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:16	TBC/MJH
Lead	19	0.54	0.22	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:16	TBC/MJH
Mercury	0.062	0.029	0.0086	mg/Kg dry	1		SW-846 7471B	10/11/19	10/12/19 12:21	AJL
Selenium	ND	3.6	1.7	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:16	TBC/MJH
Silver	ND	0.36	0.16	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:16	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-10 (5-6')

Sampled: 10/2/2019 10:00

Sample ID: 19J0330-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.8		% Wt	1		SM 2540G	10/11/19	10/12/19 9:39	AJB + CBM

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-10 (5-6')

Sampled: 10/2/2019 10:00

Sample ID: 19J0330-12

Sample Matrix: Soil

Inorganic Analyses - Asbestos

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Asbestos - Chrysotile	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Amosite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Crocidolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Actinolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Tremolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Anthophyllite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Fiberglass	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Mineral Wool	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Cellulose	<2		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Hair	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Synthetic	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Other Non-asbestos	<1		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Non-Fibrous Minerals	98%		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Binder/Filler	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Organic Material	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Gypsum	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (0-2')

Sampled: 10/2/2019 13:30

Sample ID: 19J0330-13

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Acrylonitrile	ND	0.0072	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Benzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Bromobenzene	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Bromochloromethane	ND	0.0048	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Bromodichloromethane	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Bromoform	ND	0.0048	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Bromomethane	ND	0.012	0.0013	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
2-Butanone (MEK)	ND	0.048	0.0066	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
tert-Butyl Alcohol (TBA)	ND	0.048	0.0054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
n-Butylbenzene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
sec-Butylbenzene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
tert-Butylbenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00024	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Carbon Disulfide	ND	0.0072	0.0065	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Carbon Tetrachloride	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Chlorobenzene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Chlorodibromomethane	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Chloroethane	ND	0.024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Chloroform	ND	0.0048	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Chloromethane	ND	0.012	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
2-Chlorotoluene	ND	0.0024	0.00036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
4-Chlorotoluene	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Dibromomethane	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
trans-1,4-Dichloro-2-butene	ND	0.0048	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,1-Dichloroethane	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,2-Dichloroethane	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,1-Dichloroethylene	ND	0.0048	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
cis-1,2-Dichloroethylene	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,2-Dichloropropane	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,3-Dichloropropane	ND	0.0012	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
2,2-Dichloropropane	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,1-Dichloropropene	ND	0.0048	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Diethyl Ether	ND	0.024	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (0-2')

Sampled: 10/2/2019 13:30

Sample ID: 19J0330-13

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00024	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,4-Dioxane	ND	0.12	0.0063	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Ethylbenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Hexachlorobutadiene	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
2-Hexanone (MBK)	ND	0.024	0.0024	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Methyl Acetate	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0048	0.00036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Methyl Cyclohexane	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Methylene Chloride	0.0029	0.024	0.0012	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0030	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Naphthalene	ND	0.0048	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
n-Propylbenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Styrene	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Tetrachloroethylene	ND	0.0024	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Tetrahydrofuran	ND	0.012	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Toluene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,2,3-Trichlorobenzene	ND	0.0024	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Trichloroethylene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,2,3-Trichloropropane	ND	0.0048	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00060	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Vinyl Chloride	ND	0.012	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
m+p Xylene	ND	0.0048	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
o-Xylene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		96.6	70-130						10/8/19 9:45	
Toluene-d8		121	70-130						10/8/19 9:45	
4-Bromofluorobenzene		104	70-130						10/8/19 9:45	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (0-2')

Sampled: 10/2/2019 13:30

Sample ID: 19J0330-13

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Acenaphthylene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Acetophenone	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Aniline	ND	0.37	0.087	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Anthracene	ND	0.19	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Benzidine	ND	0.72	0.20	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Benzo(a)anthracene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Benzo(a)pyrene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Benzo(b)fluoranthene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Benzo(g,h,i)perylene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Benzo(k)fluoranthene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Benzoic Acid	ND	1.1	0.64	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Bis(2-chloroethoxy)methane	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Bis(2-chloroethyl)ether	ND	0.37	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Bis(2-chloroisopropyl)ether	ND	0.37	0.25	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
4-Bromophenylphenylether	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Butylbenzylphthalate	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Carbazole	ND	0.19	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
4-Chloroaniline	ND	0.72	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
4-Chloro-3-methylphenol	ND	0.72	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2-Chloronaphthalene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2-Chlorophenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
4-Chlorophenylphenylether	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Chrysene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Dibenz(a,h)anthracene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Dibenzofuran	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Di-n-butylphthalate	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
1,2-Dichlorobenzene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
1,3-Dichlorobenzene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
1,4-Dichlorobenzene	ND	0.37	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
3,3-Dichlorobenzidine	ND	0.19	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2,4-Dichlorophenol	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Diethylphthalate	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2,4-Dimethylphenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Dimethylphthalate	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
4,6-Dinitro-2-methylphenol	ND	0.37	0.33	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2,4-Dinitrophenol	ND	0.72	0.50	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2,4-Dinitrotoluene	ND	0.37	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2,6-Dinitrotoluene	ND	0.37	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Di-n-octylphthalate	ND	0.37	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Fluoranthene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Fluorene	ND	0.19	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (0-2')

Sampled: 10/2/2019 13:30

Sample ID: 19J0330-13

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.37	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Hexachlorobutadiene	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Hexachlorocyclopentadiene	ND	0.37	0.31	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Hexachloroethane	ND	0.37	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Indeno(1,2,3-cd)pyrene	ND	0.19	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Isophorone	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
1-Methylnaphthalene	ND	0.19	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2-Methylnaphthalene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2-Methylphenol	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
3/4-Methylphenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Naphthalene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2-Nitroaniline	ND	0.37	0.22	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
3-Nitroaniline	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
4-Nitroaniline	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Nitrobenzene	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2-Nitrophenol	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
4-Nitrophenol	ND	0.72	0.26	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 15:54	KLB
N-Nitrosodimethylamine	ND	0.37	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
N-Nitrosodi-n-propylamine	ND	0.37	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Pentachloronitrobenzene	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Pentachlorophenol	ND	0.37	0.25	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Phenanthrene	ND	0.19	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Phenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Pyrene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Pyridine	ND	0.37	0.11	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 15:54	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
1,2,4-Trichlorobenzene	ND	0.37	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2,4,5-Trichlorophenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2,4,6-Trichlorophenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
2-Fluorophenol		65.7	30-130						10/9/19 15:54	
Phenol-d6		67.9	30-130						10/9/19 15:54	
Nitrobenzene-d5		70.5	30-130						10/9/19 15:54	
2-Fluorobiphenyl		81.4	30-130						10/9/19 15:54	
2,4,6-Tribromophenol		107	30-130						10/9/19 15:54	
p-Terphenyl-d14		129	30-130						10/9/19 15:54	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (0-2')

Sampled: 10/2/2019 13:30

Sample ID: 19J0330-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	0.039	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:21	TG
Aroclor-1221 [1]	ND	0.087	0.065	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:21	TG
Aroclor-1232 [1]	ND	0.087	0.078	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:21	TG
Aroclor-1242 [1]	ND	0.087	0.065	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:21	TG
Aroclor-1248 [1]	ND	0.087	0.031	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:21	TG
Aroclor-1254 [1]	ND	0.087	0.035	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:21	TG
Aroclor-1260 [1]	ND	0.087	0.048	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:21	TG
Aroclor-1262 [1]	ND	0.087	0.044	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:21	TG
Aroclor-1268 [1]	ND	0.087	0.070	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:21	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		87.5	30-150						10/14/19 20:21	
Decachlorobiphenyl [2]		92.4	30-150						10/14/19 20:21	
Tetrachloro-m-xylene [1]		94.0	30-150						10/14/19 20:21	
Tetrachloro-m-xylene [2]		101	30-150						10/14/19 20:21	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (0-2')

Sampled: 10/2/2019 13:30

Sample ID: 19J0330-13

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	1.8	1.8	0.35	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:22	TBC/MJH
Barium	30	1.8	0.38	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:22	TBC/MJH
Cadmium	0.12	0.18	0.064	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 18:22	TBC/MJH
Chromium	7.4	0.36	0.26	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:22	TBC/MJH
Lead	7.4	0.53	0.22	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:22	TBC/MJH
Mercury	0.020	0.027	0.0082	mg/Kg dry	1	J	SW-846 7471B	10/11/19	10/12/19 12:22	AJL
Selenium	ND	3.6	1.7	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:22	TBC/MJH
Silver	ND	0.36	0.16	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:22	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (0-2')

Sampled: 10/2/2019 13:30

Sample ID: 19J0330-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.7		% Wt	1		SM 2540G	10/11/19	10/12/19 9:39	AJB + CBM

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (10')

Sampled: 10/2/2019 11:50

Sample ID: 19J0330-14

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Acrylonitrile	ND	0.0074	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00037	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Benzene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Bromobenzene	ND	0.0025	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Bromochloromethane	ND	0.0049	0.00098	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Bromodichloromethane	ND	0.0025	0.00061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Bromoform	ND	0.0049	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Bromomethane	ND	0.012	0.0013	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
2-Butanone (MEK)	ND	0.049	0.0067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
tert-Butyl Alcohol (TBA)	ND	0.049	0.0055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
n-Butylbenzene	ND	0.0025	0.00061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
sec-Butylbenzene	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
tert-Butylbenzene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00025	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Carbon Disulfide	ND	0.0074	0.0066	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Carbon Tetrachloride	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Chlorobenzene	ND	0.0025	0.00061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Chlorodibromomethane	ND	0.0025	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Chloroethane	ND	0.025	0.00098	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Chloroform	ND	0.0049	0.00061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Chloromethane	ND	0.012	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
2-Chlorotoluene	ND	0.0025	0.00037	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
4-Chlorotoluene	ND	0.0025	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0025	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Dibromomethane	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,2-Dichlorobenzene	ND	0.0025	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,3-Dichlorobenzene	ND	0.0025	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,4-Dichlorobenzene	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
trans-1,4-Dichloro-2-butene	ND	0.0049	0.00074	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.025	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,1-Dichloroethane	ND	0.0025	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,2-Dichloroethane	ND	0.0025	0.00061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,1-Dichloroethylene	ND	0.0049	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
cis-1,2-Dichloroethylene	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
trans-1,2-Dichloroethylene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,2-Dichloropropane	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,3-Dichloropropane	ND	0.0012	0.00061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
2,2-Dichloropropane	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,1-Dichloropropene	ND	0.0049	0.00098	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Diethyl Ether	ND	0.025	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (10')

Sampled: 10/2/2019 11:50

Sample ID: 19J0330-14

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00025	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,4-Dioxane	ND	0.12	0.0065	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Ethylbenzene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Hexachlorobutadiene	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
2-Hexanone (MBK)	ND	0.025	0.0025	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Isopropylbenzene (Cumene)	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0025	0.00061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Methyl Acetate	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0049	0.00037	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Methyl Cyclohexane	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Methylene Chloride	0.022	0.025	0.0012	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.025	0.0031	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Naphthalene	ND	0.0049	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
n-Propylbenzene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Styrene	ND	0.0025	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,1,1,2-Tetrachloroethane	ND	0.0025	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Tetrachloroethylene	ND	0.0025	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Tetrahydrofuran	ND	0.012	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Toluene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,2,3-Trichlorobenzene	ND	0.0025	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,2,4-Trichlorobenzene	ND	0.0025	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,3,5-Trichlorobenzene	ND	0.0025	0.00037	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,1,1-Trichloroethane	ND	0.0025	0.00061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,1,2-Trichloroethane	ND	0.0025	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Trichloroethylene	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,2,3-Trichloropropane	ND	0.0049	0.00098	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.00098	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,2,4-Trimethylbenzene	ND	0.0025	0.00037	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,3,5-Trimethylbenzene	ND	0.0025	0.00061	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Vinyl Chloride	ND	0.012	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
m+p Xylene	ND	0.0049	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
o-Xylene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		99.3	70-130						10/8/19 10:13	
Toluene-d8		109	70-130						10/8/19 10:13	
4-Bromofluorobenzene		99.6	70-130						10/8/19 10:13	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (10')

Sampled: 10/2/2019 11:50

Sample ID: 19J0330-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Acenaphthylene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Acetophenone	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Aniline	ND	0.37	0.087	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Anthracene	ND	0.19	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Benzidine	ND	0.72	0.20	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Benzo(a)anthracene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Benzo(a)pyrene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Benzo(b)fluoranthene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Benzo(g,h,i)perylene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Benzo(k)fluoranthene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Benzoic Acid	ND	1.1	0.64	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Bis(2-chloroethoxy)methane	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Bis(2-chloroethyl)ether	ND	0.37	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Bis(2-chloroisopropyl)ether	ND	0.37	0.25	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
4-Bromophenylphenylether	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Butylbenzylphthalate	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Carbazole	ND	0.19	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
4-Chloroaniline	ND	0.72	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
4-Chloro-3-methylphenol	ND	0.72	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2-Chloronaphthalene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2-Chlorophenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
4-Chlorophenylphenylether	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Chrysene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Dibenz(a,h)anthracene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Dibenzofuran	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Di-n-butylphthalate	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
1,2-Dichlorobenzene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
1,3-Dichlorobenzene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
1,4-Dichlorobenzene	ND	0.37	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
3,3-Dichlorobenzidine	ND	0.19	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2,4-Dichlorophenol	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Diethylphthalate	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2,4-Dimethylphenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Dimethylphthalate	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
4,6-Dinitro-2-methylphenol	ND	0.37	0.33	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2,4-Dinitrophenol	ND	0.72	0.50	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2,4-Dinitrotoluene	ND	0.37	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2,6-Dinitrotoluene	ND	0.37	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Di-n-octylphthalate	ND	0.37	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Fluoranthene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Fluorene	ND	0.19	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (10')

Sampled: 10/2/2019 11:50

Sample ID: 19J0330-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.37	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Hexachlorobutadiene	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Hexachlorocyclopentadiene	ND	0.37	0.31	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Hexachloroethane	ND	0.37	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Indeno(1,2,3-cd)pyrene	ND	0.19	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Isophorone	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
1-Methylnaphthalene	ND	0.19	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2-Methylnaphthalene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2-Methylphenol	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
3/4-Methylphenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Naphthalene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2-Nitroaniline	ND	0.37	0.22	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
3-Nitroaniline	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
4-Nitroaniline	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Nitrobenzene	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2-Nitrophenol	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
4-Nitrophenol	ND	0.72	0.26	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 16:17	KLB
N-Nitrosodimethylamine	ND	0.37	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
N-Nitrosodi-n-propylamine	ND	0.37	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Pentachloronitrobenzene	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Pentachlorophenol	ND	0.37	0.25	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Phenanthrene	ND	0.19	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Phenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Pyrene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Pyridine	ND	0.37	0.11	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 16:17	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
1,2,4-Trichlorobenzene	ND	0.37	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2,4,5-Trichlorophenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2,4,6-Trichlorophenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	69.8	30-130	
Phenol-d6	71.3	30-130	
Nitrobenzene-d5	74.7	30-130	
2-Fluorobiphenyl	78.4	30-130	
2,4,6-Tribromophenol	99.3	30-130	
p-Terphenyl-d14	124	30-130	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (10')

Sampled: 10/2/2019 11:50

Sample ID: 19J0330-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	0.039	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:34	TG
Aroclor-1221 [1]	ND	0.086	0.064	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:34	TG
Aroclor-1232 [1]	ND	0.086	0.077	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:34	TG
Aroclor-1242 [1]	ND	0.086	0.064	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:34	TG
Aroclor-1248 [1]	ND	0.086	0.030	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:34	TG
Aroclor-1254 [1]	ND	0.086	0.034	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:34	TG
Aroclor-1260 [1]	ND	0.086	0.047	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:34	TG
Aroclor-1262 [1]	ND	0.086	0.043	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:34	TG
Aroclor-1268 [1]	ND	0.086	0.069	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:34	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		95.6	30-150						10/14/19 20:34	
Decachlorobiphenyl [2]		101	30-150						10/14/19 20:34	
Tetrachloro-m-xylene [1]		94.1	30-150						10/14/19 20:34	
Tetrachloro-m-xylene [2]		99.3	30-150						10/14/19 20:34	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (10')

Sampled: 10/2/2019 11:50

Sample ID: 19J0330-14

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.1	1.8	0.35	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:28	TBC/MJH
Barium	120	1.8	0.38	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:28	TBC/MJH
Cadmium	0.11	0.18	0.065	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 18:28	TBC/MJH
Chromium	14	0.36	0.26	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:28	TBC/MJH
Lead	10	0.54	0.22	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:28	TBC/MJH
Mercury	0.024	0.027	0.0080	mg/Kg dry	1	J	SW-846 7471B	10/11/19	10/12/19 12:28	AJL
Selenium	ND	3.6	1.8	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:28	TBC/MJH
Silver	ND	0.36	0.16	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:28	TBC/MJH

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Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (10')

Sampled: 10/2/2019 11:50

Sample ID: 19J0330-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.4		% Wt	1		SM 2540G	10/11/19	10/12/19 9:40	AJB + CBM

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Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (0-2')

Sampled: 10/2/2019 11:10

Sample ID: 19J0330-15

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.14	0.012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Acrylonitrile	ND	0.0086	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0014	0.00043	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Benzene	ND	0.0029	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Bromobenzene	ND	0.0029	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Bromochloromethane	ND	0.0058	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Bromodichloromethane	ND	0.0029	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Bromoform	ND	0.0058	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Bromomethane	ND	0.014	0.0016	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
2-Butanone (MEK)	ND	0.058	0.0079	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
tert-Butyl Alcohol (TBA)	ND	0.058	0.0065	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
n-Butylbenzene	ND	0.0029	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
sec-Butylbenzene	ND	0.0029	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
tert-Butylbenzene	ND	0.0029	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0014	0.00029	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Carbon Disulfide	ND	0.0086	0.0078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Carbon Tetrachloride	ND	0.0029	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Chlorobenzene	ND	0.0029	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Chlorodibromomethane	ND	0.0029	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Chloroethane	ND	0.029	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Chloroform	ND	0.0058	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Chloromethane	ND	0.014	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
2-Chlorotoluene	ND	0.0029	0.00043	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
4-Chlorotoluene	ND	0.0029	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0029	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Dibromomethane	ND	0.0029	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,2-Dichlorobenzene	ND	0.0029	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,3-Dichlorobenzene	ND	0.0029	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,4-Dichlorobenzene	ND	0.0029	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
trans-1,4-Dichloro-2-butene	ND	0.0058	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.029	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,1-Dichloroethane	ND	0.0029	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,2-Dichloroethane	ND	0.0029	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,1-Dichloroethylene	ND	0.0058	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
cis-1,2-Dichloroethylene	ND	0.0029	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
trans-1,2-Dichloroethylene	ND	0.0029	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,2-Dichloropropane	ND	0.0029	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,3-Dichloropropane	ND	0.0014	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
2,2-Dichloropropane	ND	0.0029	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,1-Dichloropropene	ND	0.0058	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
cis-1,3-Dichloropropene	ND	0.0014	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
trans-1,3-Dichloropropene	ND	0.0014	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Diethyl Ether	ND	0.029	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF

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Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (0-2')

Sampled: 10/2/2019 11:10

Sample ID: 19J0330-15

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0014	0.00029	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,4-Dioxane	ND	0.14	0.0076	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Ethylbenzene	ND	0.0029	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Hexachlorobutadiene	ND	0.0029	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
2-Hexanone (MBK)	ND	0.029	0.0029	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Isopropylbenzene (Cumene)	ND	0.0029	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0029	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Methyl Acetate	ND	0.0029	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0058	0.00043	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Methyl Cyclohexane	ND	0.0029	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Methylene Chloride	ND	0.029	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.029	0.0036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Naphthalene	ND	0.0058	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
n-Propylbenzene	ND	0.0029	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Styrene	ND	0.0029	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,1,1,2-Tetrachloroethane	ND	0.0029	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,1,2,2-Tetrachloroethane	ND	0.0014	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Tetrachloroethylene	ND	0.0029	0.0017	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Tetrahydrofuran	ND	0.014	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Toluene	ND	0.0029	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,2,3-Trichlorobenzene	ND	0.0029	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,2,4-Trichlorobenzene	ND	0.0029	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,3,5-Trichlorobenzene	ND	0.0029	0.00043	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,1,1-Trichloroethane	ND	0.0029	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,1,2-Trichloroethane	ND	0.0029	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Trichloroethylene	ND	0.0029	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Trichlorofluoromethane (Freon 11)	ND	0.014	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,2,3-Trichloropropane	ND	0.0058	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.014	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,2,4-Trimethylbenzene	ND	0.0029	0.00043	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,3,5-Trimethylbenzene	ND	0.0029	0.00072	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Vinyl Chloride	ND	0.014	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
m+p Xylene	ND	0.0058	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
o-Xylene	ND	0.0029	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		99.5	70-130						10/8/19 10:40	
Toluene-d8		98.9	70-130						10/8/19 10:40	
4-Bromofluorobenzene		103	70-130						10/8/19 10:40	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (0-2')

Sampled: 10/2/2019 11:10

Sample ID: 19J0330-15

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Acenaphthylene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Acetophenone	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Aniline	ND	0.41	0.096	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Anthracene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Benzidine	ND	0.79	0.22	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Benzo(a)anthracene	0.46	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Benzo(a)pyrene	0.60	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Benzo(b)fluoranthene	0.61	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Benzo(g,h,i)perylene	0.48	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Benzo(k)fluoranthene	0.25	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Benzoic Acid	ND	1.2	0.71	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Bis(2-chloroethoxy)methane	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Bis(2-chloroethyl)ether	ND	0.41	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Bis(2-chloroisopropyl)ether	ND	0.41	0.28	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
4-Bromophenylphenylether	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Butylbenzylphthalate	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Carbazole	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
4-Chloroaniline	ND	0.79	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
4-Chloro-3-methylphenol	ND	0.79	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2-Chloronaphthalene	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2-Chlorophenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
4-Chlorophenylphenylether	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Chrysene	0.55	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Dibenz(a,h)anthracene	0.13	0.20	0.12	mg/Kg dry	1	J	SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Dibenzofuran	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Di-n-butylphthalate	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
1,2-Dichlorobenzene	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
1,3-Dichlorobenzene	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
1,4-Dichlorobenzene	ND	0.41	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
3,3-Dichlorobenzidine	ND	0.20	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2,4-Dichlorophenol	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Diethylphthalate	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2,4-Dimethylphenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Dimethylphthalate	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
4,6-Dinitro-2-methylphenol	ND	0.41	0.36	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2,4-Dinitrophenol	ND	0.79	0.55	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2,4-Dinitrotoluene	ND	0.41	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2,6-Dinitrotoluene	ND	0.41	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Di-n-octylphthalate	ND	0.41	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Fluoranthene	0.86	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Fluorene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (0-2')

Sampled: 10/2/2019 11:10

Sample ID: 19J0330-15

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.41	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Hexachlorobutadiene	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Hexachlorocyclopentadiene	ND	0.41	0.34	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Hexachloroethane	ND	0.41	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Indeno(1,2,3-cd)pyrene	0.44	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Isophorone	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
1-Methylnaphthalene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2-Methylnaphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2-Methylphenol	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
3/4-Methylphenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Naphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2-Nitroaniline	ND	0.41	0.24	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
3-Nitroaniline	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
4-Nitroaniline	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Nitrobenzene	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2-Nitrophenol	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
4-Nitrophenol	ND	0.79	0.29	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 16:39	KLB
N-Nitrosodimethylamine	ND	0.41	0.22	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
N-Nitrosodi-n-propylamine	ND	0.41	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Pentachloronitrobenzene	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Pentachlorophenol	ND	0.41	0.28	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Phenanthrene	0.52	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Phenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Pyrene	1.1	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Pyridine	ND	0.41	0.12	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 16:39	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
1,2,4-Trichlorobenzene	ND	0.41	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2,4,5-Trichlorophenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2,4,6-Trichlorophenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	44.9	30-130	
Phenol-d6	48.0	30-130	
Nitrobenzene-d5	50.9	30-130	
2-Fluorobiphenyl	56.8	30-130	
2,4,6-Tribromophenol	69.3	30-130	
p-Terphenyl-d14	83.7	30-130	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (0-2')

Sampled: 10/2/2019 11:10

Sample ID: 19J0330-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	0.044	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:46	TG
Aroclor-1221 [1]	ND	0.098	0.073	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:46	TG
Aroclor-1232 [1]	ND	0.098	0.088	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:46	TG
Aroclor-1242 [1]	ND	0.098	0.073	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:46	TG
Aroclor-1248 [1]	ND	0.098	0.034	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:46	TG
Aroclor-1254 [1]	ND	0.098	0.039	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:46	TG
Aroclor-1260 [1]	ND	0.098	0.054	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:46	TG
Aroclor-1262 [1]	ND	0.098	0.049	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:46	TG
Aroclor-1268 [1]	ND	0.098	0.078	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:46	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		95.8	30-150						10/14/19 20:46	
Decachlorobiphenyl [2]		104	30-150						10/14/19 20:46	
Tetrachloro-m-xylene [1]		101	30-150						10/14/19 20:46	
Tetrachloro-m-xylene [2]		105	30-150						10/14/19 20:46	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (0-2')

Sampled: 10/2/2019 11:10

Sample ID: 19J0330-15

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
								Prepared	Analyzed	
Arsenic	17	2.0	0.40	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:43	TBC/MJH
Barium	240	2.0	0.44	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:43	TBC/MJH
Cadmium	1.4	0.20	0.073	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:43	TBC/MJH
Chromium	14	0.41	0.29	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:43	TBC/MJH
Lead	500	0.61	0.25	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:43	TBC/MJH
Mercury	0.54	0.030	0.0089	mg/Kg dry	1		SW-846 7471B	10/11/19	10/12/19 12:30	AJL
Selenium	ND	4.1	2.0	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:43	TBC/MJH
Silver	ND	0.41	0.18	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:43	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (0-2')

Sampled: 10/2/2019 11:10

Sample ID: 19J0330-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.7		% Wt	1		SM 2540G	10/11/19	10/12/19 9:40	AJB + CBM

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: DUP 2

Sampled: 10/3/2019 11:30

Sample ID: 19J0330-16

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.14	0.012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Acrylonitrile	ND	0.0085	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0014	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Benzene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Bromobenzene	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Bromochloromethane	ND	0.0057	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Bromodichloromethane	ND	0.0028	0.00071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Bromoform	ND	0.0057	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Bromomethane	ND	0.014	0.0016	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
2-Butanone (MEK)	ND	0.057	0.0078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
tert-Butyl Alcohol (TBA)	ND	0.057	0.0064	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
n-Butylbenzene	ND	0.0028	0.00071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
sec-Butylbenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
tert-Butylbenzene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0014	0.00028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Carbon Disulfide	ND	0.0085	0.0076	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Carbon Tetrachloride	ND	0.0028	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Chlorobenzene	ND	0.0028	0.00071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Chlorodibromomethane	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Chloroethane	ND	0.028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Chloroform	ND	0.0057	0.00071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Chloromethane	ND	0.014	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
2-Chlorotoluene	ND	0.0028	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
4-Chlorotoluene	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Dibromomethane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,2-Dichlorobenzene	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,3-Dichlorobenzene	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,4-Dichlorobenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
trans-1,4-Dichloro-2-butene	ND	0.0057	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.028	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,1-Dichloroethane	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,2-Dichloroethane	ND	0.0028	0.00071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,1-Dichloroethylene	ND	0.0057	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
cis-1,2-Dichloroethylene	ND	0.0028	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
trans-1,2-Dichloroethylene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,2-Dichloropropane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,3-Dichloropropane	ND	0.0014	0.00071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
2,2-Dichloropropane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,1-Dichloropropene	ND	0.0057	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
cis-1,3-Dichloropropene	ND	0.0014	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
trans-1,3-Dichloropropene	ND	0.0014	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Diethyl Ether	ND	0.028	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: DUP 2

Sampled: 10/3/2019 11:30

Sample ID: 19J0330-16

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0014	0.00028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,4-Dioxane	ND	0.14	0.0075	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Ethylbenzene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Hexachlorobutadiene	ND	0.0028	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
2-Hexanone (MBK)	ND	0.028	0.0028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Isopropylbenzene (Cumene)	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0028	0.00071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Methyl Acetate	ND	0.0028	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0057	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Methyl Cyclohexane	ND	0.0028	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Methylene Chloride	0.0023	0.028	0.0014	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.028	0.0035	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Naphthalene	ND	0.0057	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
n-Propylbenzene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Styrene	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,1,1,2-Tetrachloroethane	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,1,2,2-Tetrachloroethane	ND	0.0014	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Tetrachloroethylene	ND	0.0028	0.0017	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Tetrahydrofuran	ND	0.014	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Toluene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,2,3-Trichlorobenzene	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,2,4-Trichlorobenzene	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,3,5-Trichlorobenzene	ND	0.0028	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,1,1-Trichloroethane	ND	0.0028	0.00071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,1,2-Trichloroethane	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Trichloroethylene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Trichlorofluoromethane (Freon 11)	ND	0.014	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,2,3-Trichloropropane	ND	0.0057	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.014	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,2,4-Trimethylbenzene	ND	0.0028	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,3,5-Trimethylbenzene	ND	0.0028	0.00071	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Vinyl Chloride	ND	0.014	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
m+p Xylene	ND	0.0057	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
o-Xylene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		101	70-130						10/8/19 11:07	
Toluene-d8		101	70-130						10/8/19 11:07	
4-Bromofluorobenzene		104	70-130						10/8/19 11:07	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: DUP 2

Sampled: 10/3/2019 11:30

Sample ID: 19J0330-16

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Acenaphthylene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Acetophenone	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Aniline	ND	0.41	0.096	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Anthracene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Benzidine	ND	0.79	0.22	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Benzo(a)anthracene	0.25	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Benzo(a)pyrene	0.25	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Benzo(b)fluoranthene	0.30	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Benzo(g,h,i)perylene	0.13	0.20	0.12	mg/Kg dry	1	J	SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Benzo(k)fluoranthene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Benzoic Acid	ND	1.2	0.71	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Bis(2-chloroethoxy)methane	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Bis(2-chloroethyl)ether	ND	0.41	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Bis(2-chloroisopropyl)ether	ND	0.41	0.28	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
4-Bromophenylphenylether	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Butylbenzylphthalate	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Carbazole	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
4-Chloroaniline	ND	0.79	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
4-Chloro-3-methylphenol	ND	0.79	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2-Chloronaphthalene	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2-Chlorophenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
4-Chlorophenylphenylether	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Chrysene	0.26	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Dibenz(a,h)anthracene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Dibenzofuran	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Di-n-butylphthalate	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
1,2-Dichlorobenzene	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
1,3-Dichlorobenzene	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
1,4-Dichlorobenzene	ND	0.41	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
3,3-Dichlorobenzidine	ND	0.20	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2,4-Dichlorophenol	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Diethylphthalate	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2,4-Dimethylphenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Dimethylphthalate	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
4,6-Dinitro-2-methylphenol	ND	0.41	0.36	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2,4-Dinitrophenol	ND	0.79	0.55	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2,4-Dinitrotoluene	ND	0.41	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2,6-Dinitrotoluene	ND	0.41	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Di-n-octylphthalate	ND	0.41	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Fluoranthene	0.42	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Fluorene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: DUP 2

Sampled: 10/3/2019 11:30

Sample ID: 19J0330-16

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.41	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Hexachlorobutadiene	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Hexachlorocyclopentadiene	ND	0.41	0.34	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Hexachloroethane	ND	0.41	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Indeno(1,2,3-cd)pyrene	0.17	0.20	0.14	mg/Kg dry	1	J	SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Isophorone	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
1-Methylnaphthalene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2-Methylnaphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2-Methylphenol	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
3/4-Methylphenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Naphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2-Nitroaniline	ND	0.41	0.24	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
3-Nitroaniline	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
4-Nitroaniline	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Nitrobenzene	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2-Nitrophenol	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
4-Nitrophenol	ND	0.79	0.29	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 17:02	KLB
N-Nitrosodimethylamine	ND	0.41	0.22	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
N-Nitrosodi-n-propylamine	ND	0.41	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Pentachloronitrobenzene	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Pentachlorophenol	ND	0.41	0.28	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Phenanthrene	0.17	0.20	0.11	mg/Kg dry	1	J	SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Phenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Pyrene	0.55	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Pyridine	ND	0.41	0.12	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 17:02	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
1,2,4-Trichlorobenzene	ND	0.41	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2,4,5-Trichlorophenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2,4,6-Trichlorophenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
2-Fluorophenol		66.3	30-130						10/9/19 17:02	
Phenol-d6		71.1	30-130						10/9/19 17:02	
Nitrobenzene-d5		74.2	30-130						10/9/19 17:02	
2-Fluorobiphenyl		84.3	30-130						10/9/19 17:02	
2,4,6-Tribromophenol		105	30-130						10/9/19 17:02	
p-Terphenyl-d14		130	30-130			S-07			10/9/19 17:02	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Sampled: 10/3/2019 11:30

Field Sample #: DUP 2

Sample ID: 19J0330-16

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
								Prepared	Analyzed	
Arsenic	3.9	2.0	0.38	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:49	TBC/MJH
Barium	65	2.0	0.42	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:49	TBC/MJH
Cadmium	0.46	0.20	0.071	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:49	TBC/MJH
Chromium	22	0.40	0.28	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:49	TBC/MJH
Lead	53	0.60	0.24	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:49	TBC/MJH
Mercury	0.51	0.030	0.0091	mg/Kg dry	1		SW-846 7471B	10/11/19	10/12/19 12:31	AJL
Selenium	ND	4.0	1.9	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:49	TBC/MJH
Silver	ND	0.40	0.17	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:49	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: DUP 2

Sampled: 10/3/2019 11:30

Sample ID: 19J0330-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.9		% Wt	1		SM 2540G	10/11/19	10/12/19 9:40	AJB + CBM

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-5 (9-10')

Sampled: 10/3/2019 12:20

Sample ID: 19J0330-17

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.13	0.011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Acrylonitrile	ND	0.0080	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0013	0.00040	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Benzene	ND	0.0027	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Bromobenzene	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Bromochloromethane	ND	0.0053	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Bromodichloromethane	ND	0.0027	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Bromoform	ND	0.0053	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Bromomethane	ND	0.013	0.0015	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
2-Butanone (MEK)	ND	0.053	0.0073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
tert-Butyl Alcohol (TBA)	ND	0.053	0.0060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
n-Butylbenzene	ND	0.0027	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
sec-Butylbenzene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
tert-Butylbenzene	ND	0.0027	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0013	0.00027	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Carbon Disulfide	ND	0.0080	0.0072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Carbon Tetrachloride	ND	0.0027	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Chlorobenzene	ND	0.0027	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Chlorodibromomethane	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Chloroethane	ND	0.027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Chloroform	ND	0.0053	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Chloromethane	ND	0.013	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
2-Chlorotoluene	ND	0.0027	0.00040	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
4-Chlorotoluene	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0027	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Dibromomethane	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,2-Dichlorobenzene	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,3-Dichlorobenzene	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,4-Dichlorobenzene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
trans-1,4-Dichloro-2-butene	ND	0.0053	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.027	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,1-Dichloroethane	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,2-Dichloroethane	ND	0.0027	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,1-Dichloroethylene	ND	0.0053	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
cis-1,2-Dichloroethylene	ND	0.0027	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
trans-1,2-Dichloroethylene	ND	0.0027	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,2-Dichloropropane	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,3-Dichloropropane	ND	0.0013	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
2,2-Dichloropropane	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,1-Dichloropropene	ND	0.0053	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
cis-1,3-Dichloropropene	ND	0.0013	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
trans-1,3-Dichloropropene	ND	0.0013	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Diethyl Ether	ND	0.027	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-5 (9-10')

Sampled: 10/3/2019 12:20

Sample ID: 19J0330-17

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0013	0.00027	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,4-Dioxane	ND	0.13	0.0071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Ethylbenzene	ND	0.0027	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Hexachlorobutadiene	ND	0.0027	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
2-Hexanone (MBK)	ND	0.027	0.0027	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Isopropylbenzene (Cumene)	ND	0.0027	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0027	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Methyl Acetate	ND	0.0027	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0053	0.00040	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Methyl Cyclohexane	ND	0.0027	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Methylene Chloride	0.0042	0.027	0.0013	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.027	0.0033	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Naphthalene	ND	0.0053	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
n-Propylbenzene	ND	0.0027	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Styrene	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,1,1,2-Tetrachloroethane	ND	0.0027	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,1,2,2-Tetrachloroethane	ND	0.0013	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Tetrachloroethylene	ND	0.0027	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Tetrahydrofuran	ND	0.013	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Toluene	ND	0.0027	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,2,3-Trichlorobenzene	ND	0.0027	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,2,4-Trichlorobenzene	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,3,5-Trichlorobenzene	ND	0.0027	0.00040	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,1,1-Trichloroethane	ND	0.0027	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,1,2-Trichloroethane	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Trichloroethylene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,2,3-Trichloropropane	ND	0.0053	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.013	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,2,4-Trimethylbenzene	ND	0.0027	0.00040	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,3,5-Trimethylbenzene	ND	0.0027	0.00067	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Vinyl Chloride	ND	0.013	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
m+p Xylene	ND	0.0053	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
o-Xylene	ND	0.0027	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		102	70-130						10/8/19 11:34	
Toluene-d8		97.9	70-130						10/8/19 11:34	
4-Bromofluorobenzene		102	70-130						10/8/19 11:34	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-5 (9-10')

Sampled: 10/3/2019 12:20

Sample ID: 19J0330-17

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Acenaphthylene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Acetophenone	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Aniline	ND	0.40	0.094	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Anthracene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Benzidine	ND	0.77	0.21	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Benzo(a)anthracene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Benzo(a)pyrene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Benzo(b)fluoranthene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Benzo(g,h,i)perylene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Benzo(k)fluoranthene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Benzoic Acid	ND	1.2	0.69	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Bis(2-chloroethoxy)methane	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Bis(2-chloroethyl)ether	ND	0.40	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Bis(2-chloroisopropyl)ether	ND	0.40	0.27	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
4-Bromophenylphenylether	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Butylbenzylphthalate	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Carbazole	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
4-Chloroaniline	ND	0.77	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
4-Chloro-3-methylphenol	ND	0.77	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2-Chloronaphthalene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2-Chlorophenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
4-Chlorophenylphenylether	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Chrysene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Dibenz(a,h)anthracene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Dibenzofuran	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Di-n-butylphthalate	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
1,2-Dichlorobenzene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
1,3-Dichlorobenzene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
1,4-Dichlorobenzene	ND	0.40	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
3,3-Dichlorobenzidine	ND	0.20	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2,4-Dichlorophenol	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Diethylphthalate	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2,4-Dimethylphenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Dimethylphthalate	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
4,6-Dinitro-2-methylphenol	ND	0.40	0.35	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2,4-Dinitrophenol	ND	0.77	0.54	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2,4-Dinitrotoluene	ND	0.40	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2,6-Dinitrotoluene	ND	0.40	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Di-n-octylphthalate	ND	0.40	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Fluoranthene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Fluorene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-5 (9-10')

Sampled: 10/3/2019 12:20

Sample ID: 19J0330-17

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.40	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Hexachlorobutadiene	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Hexachlorocyclopentadiene	ND	0.40	0.33	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Hexachloroethane	ND	0.40	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Indeno(1,2,3-cd)pyrene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Isophorone	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
1-Methylnaphthalene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2-Methylnaphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2-Methylphenol	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
3/4-Methylphenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Naphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2-Nitroaniline	ND	0.40	0.23	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
3-Nitroaniline	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
4-Nitroaniline	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Nitrobenzene	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2-Nitrophenol	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
4-Nitrophenol	ND	0.77	0.28	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 17:24	KLB
N-Nitrosodimethylamine	ND	0.40	0.21	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
N-Nitrosodi-n-propylamine	ND	0.40	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Pentachloronitrobenzene	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Pentachlorophenol	ND	0.40	0.27	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Phenanthrene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Phenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Pyrene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Pyridine	ND	0.40	0.12	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 17:24	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
1,2,4-Trichlorobenzene	ND	0.40	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2,4,5-Trichlorophenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2,4,6-Trichlorophenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
2-Fluorophenol		71.1	30-130						10/9/19 17:24	
Phenol-d6		72.8	30-130						10/9/19 17:24	
Nitrobenzene-d5		75.1	30-130						10/9/19 17:24	
2-Fluorobiphenyl		82.2	30-130						10/9/19 17:24	
2,4,6-Tribromophenol		106	30-130						10/9/19 17:24	
p-Terphenyl-d14		131	*	30-130		S-07			10/9/19 17:24	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-5 (9-10')

Sampled: 10/3/2019 12:20

Sample ID: 19J0330-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	0.043	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:59	TG
Aroclor-1221 [1]	ND	0.095	0.071	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:59	TG
Aroclor-1232 [1]	ND	0.095	0.086	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:59	TG
Aroclor-1242 [1]	ND	0.095	0.071	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:59	TG
Aroclor-1248 [1]	ND	0.095	0.033	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:59	TG
Aroclor-1254 [1]	ND	0.095	0.038	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:59	TG
Aroclor-1260 [1]	ND	0.095	0.052	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:59	TG
Aroclor-1262 [1]	ND	0.095	0.048	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:59	TG
Aroclor-1268 [1]	ND	0.095	0.076	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:59	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		92.8	30-150						10/14/19 20:59	
Decachlorobiphenyl [2]		98.7	30-150						10/14/19 20:59	
Tetrachloro-m-xylene [1]		98.8	30-150						10/14/19 20:59	
Tetrachloro-m-xylene [2]		105	30-150						10/14/19 20:59	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-5 (9-10')

Sampled: 10/3/2019 12:20

Sample ID: 19J0330-17

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
								Prepared	Analyzed	
Arsenic	1.8	1.9	0.38	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 18:55	TBC/MJH
Barium	56	1.9	0.42	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:55	TBC/MJH
Cadmium	0.099	0.19	0.070	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 18:55	TBC/MJH
Chromium	11	0.39	0.28	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:55	TBC/MJH
Lead	8.4	0.58	0.24	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:55	TBC/MJH
Mercury	0.012	0.030	0.0090	mg/Kg dry	1	J	SW-846 7471B	10/11/19	10/12/19 12:33	AJL
Selenium	ND	3.9	1.9	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:55	TBC/MJH
Silver	ND	0.39	0.17	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:55	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-5 (9-10')

Sampled: 10/3/2019 12:20

Sample ID: 19J0330-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.1		% Wt	1		SM 2540G	10/11/19	10/12/19 9:40	AJB + CBM

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-8 (0-2')

Sampled: 10/2/2019 14:55

Sample ID: 19J0330-18

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Acrylonitrile	ND	0.0072	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Benzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Bromobenzene	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Bromochloromethane	ND	0.0048	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Bromodichloromethane	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Bromoform	ND	0.0048	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Bromomethane	ND	0.012	0.0013	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
2-Butanone (MEK)	ND	0.048	0.0066	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
tert-Butyl Alcohol (TBA)	ND	0.048	0.0054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
n-Butylbenzene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
sec-Butylbenzene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
tert-Butylbenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00024	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Carbon Disulfide	ND	0.0072	0.0065	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Carbon Tetrachloride	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Chlorobenzene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Chlorodibromomethane	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Chloroethane	ND	0.024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Chloroform	ND	0.0048	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Chloromethane	ND	0.012	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
2-Chlorotoluene	ND	0.0024	0.00036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
4-Chlorotoluene	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Dibromomethane	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
trans-1,4-Dichloro-2-butene	ND	0.0048	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,1-Dichloroethane	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,2-Dichloroethane	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,1-Dichloroethylene	ND	0.0048	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
cis-1,2-Dichloroethylene	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,2-Dichloropropane	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,3-Dichloropropane	ND	0.0012	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
2,2-Dichloropropane	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,1-Dichloropropene	ND	0.0048	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Diethyl Ether	ND	0.024	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-8 (0-2')

Sampled: 10/2/2019 14:55

Sample ID: 19J0330-18

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00024	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,4-Dioxane	ND	0.12	0.0064	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Ethylbenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Hexachlorobutadiene	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
2-Hexanone (MBK)	ND	0.024	0.0024	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Methyl Acetate	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0048	0.00036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Methyl Cyclohexane	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Methylene Chloride	0.0034	0.024	0.0012	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0030	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Naphthalene	ND	0.0048	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
n-Propylbenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Styrene	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Tetrachloroethylene	ND	0.0024	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Tetrahydrofuran	ND	0.012	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Toluene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,2,3-Trichlorobenzene	ND	0.0024	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Trichloroethylene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,2,3-Trichloropropane	ND	0.0048	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00060	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Vinyl Chloride	ND	0.012	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
m+p Xylene	ND	0.0048	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
o-Xylene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		98.0	70-130						10/8/19 12:01	
Toluene-d8		97.2	70-130						10/8/19 12:01	
4-Bromofluorobenzene		104	70-130						10/8/19 12:01	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-8 (0-2')

Sampled: 10/2/2019 14:55

Sample ID: 19J0330-18

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Acenaphthylene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Acetophenone	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Aniline	ND	0.39	0.092	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Anthracene	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Benzidine	ND	0.76	0.21	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Benzo(a)anthracene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Benzo(a)pyrene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Benzo(b)fluoranthene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Benzo(g,h,i)perylene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Benzo(k)fluoranthene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Benzoic Acid	ND	1.2	0.68	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Bis(2-chloroethoxy)methane	ND	0.39	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Bis(2-chloroethyl)ether	ND	0.39	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Bis(2-chloroisopropyl)ether	ND	0.39	0.27	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.39	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
4-Bromophenylphenylether	ND	0.39	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Butylbenzylphthalate	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Carbazole	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
4-Chloroaniline	ND	0.76	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
4-Chloro-3-methylphenol	ND	0.76	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2-Chloronaphthalene	ND	0.39	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2-Chlorophenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
4-Chlorophenylphenylether	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Chrysene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Dibenz(a,h)anthracene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Dibenzofuran	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Di-n-butylphthalate	ND	0.39	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
1,2-Dichlorobenzene	ND	0.39	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
1,3-Dichlorobenzene	ND	0.39	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
1,4-Dichlorobenzene	ND	0.39	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
3,3-Dichlorobenzidine	ND	0.20	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2,4-Dichlorophenol	ND	0.39	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Diethylphthalate	ND	0.39	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2,4-Dimethylphenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Dimethylphthalate	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
4,6-Dinitro-2-methylphenol	ND	0.39	0.35	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2,4-Dinitrophenol	ND	0.76	0.53	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2,4-Dinitrotoluene	ND	0.39	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2,6-Dinitrotoluene	ND	0.39	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Di-n-octylphthalate	ND	0.39	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.39	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Fluoranthene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Fluorene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-8 (0-2')

Sampled: 10/2/2019 14:55

Sample ID: 19J0330-18

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.39	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Hexachlorobutadiene	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Hexachlorocyclopentadiene	ND	0.39	0.32	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Hexachloroethane	ND	0.39	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Indeno(1,2,3-cd)pyrene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Isophorone	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
1-Methylnaphthalene	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2-Methylnaphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2-Methylphenol	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
3/4-Methylphenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Naphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2-Nitroaniline	ND	0.39	0.23	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
3-Nitroaniline	ND	0.39	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
4-Nitroaniline	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Nitrobenzene	ND	0.39	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2-Nitrophenol	ND	0.39	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
4-Nitrophenol	ND	0.76	0.28	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 17:46	KLB
N-Nitrosodimethylamine	ND	0.39	0.21	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.39	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
N-Nitrosodi-n-propylamine	ND	0.39	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Pentachloronitrobenzene	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Pentachlorophenol	ND	0.39	0.27	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Phenanthrene	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Phenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Pyrene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Pyridine	ND	0.39	0.12	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 17:46	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
1,2,4-Trichlorobenzene	ND	0.39	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2,4,5-Trichlorophenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2,4,6-Trichlorophenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	64.2	30-130	
Phenol-d6	65.2	30-130	
Nitrobenzene-d5	69.9	30-130	
2-Fluorobiphenyl	75.5	30-130	
2,4,6-Tribromophenol	92.1	30-130	
p-Terphenyl-d14	116	30-130	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-8 (0-2')

Sampled: 10/2/2019 14:55

Sample ID: 19J0330-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	0.041	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:11	TG
Aroclor-1221 [1]	ND	0.092	0.069	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:11	TG
Aroclor-1232 [1]	ND	0.092	0.083	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:11	TG
Aroclor-1242 [1]	ND	0.092	0.069	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:11	TG
Aroclor-1248 [1]	ND	0.092	0.032	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:11	TG
Aroclor-1254 [1]	ND	0.092	0.037	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:11	TG
Aroclor-1260 [1]	ND	0.092	0.051	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:11	TG
Aroclor-1262 [1]	ND	0.092	0.046	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:11	TG
Aroclor-1268 [1]	ND	0.092	0.074	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:11	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		88.9	30-150						10/14/19 21:11	
Decachlorobiphenyl [2]		94.1	30-150						10/14/19 21:11	
Tetrachloro-m-xylene [1]		98.5	30-150						10/14/19 21:11	
Tetrachloro-m-xylene [2]		103	30-150						10/14/19 21:11	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-8 (0-2')

Sampled: 10/2/2019 14:55

Sample ID: 19J0330-18

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.3	1.9	0.36	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 19:01	TBC/MJH
Barium	67	1.9	0.40	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 19:01	TBC/MJH
Cadmium	0.15	0.19	0.068	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 19:01	TBC/MJH
Chromium	9.0	0.38	0.27	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 19:01	TBC/MJH
Lead	15	0.56	0.23	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 19:01	TBC/MJH
Mercury	0.076	0.029	0.0088	mg/Kg dry	1		SW-846 7471B	10/11/19	10/12/19 11:56	AJL
Selenium	ND	3.8	1.8	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 19:01	TBC/MJH
Silver	ND	0.38	0.17	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 19:01	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Sampled: 10/2/2019 14:55

Field Sample #: TP-8 (0-2')

Sample ID: 19J0330-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.8		% Wt	1		SM 2540G	10/11/19	10/12/19 9:40	AJB + CBM

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-8 (10')

Sampled: 10/2/2019 15:20

Sample ID: 19J0330-19

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	0.0094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Acrylonitrile	ND	0.0067	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	0.00034	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Benzene	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Bromobenzene	ND	0.0022	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Bromochloromethane	ND	0.0045	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Bromodichloromethane	ND	0.0022	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Bromoform	ND	0.0045	0.00078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Bromomethane	ND	0.011	0.0012	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
2-Butanone (MEK)	ND	0.045	0.0061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
tert-Butyl Alcohol (TBA)	ND	0.045	0.0050	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
n-Butylbenzene	ND	0.0022	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
sec-Butylbenzene	ND	0.0022	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
tert-Butylbenzene	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	0.00022	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Carbon Disulfide	ND	0.0067	0.0060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Carbon Tetrachloride	ND	0.0022	0.00078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Chlorobenzene	ND	0.0022	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Chlorodibromomethane	ND	0.0022	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Chloroethane	ND	0.022	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Chloroform	ND	0.0045	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Chloromethane	ND	0.011	0.00078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
2-Chlorotoluene	ND	0.0022	0.00034	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
4-Chlorotoluene	ND	0.0022	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Dibromomethane	ND	0.0022	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,2-Dichlorobenzene	ND	0.0022	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,3-Dichlorobenzene	ND	0.0022	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,4-Dichlorobenzene	ND	0.0022	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
trans-1,4-Dichloro-2-butene	ND	0.0045	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,1-Dichloroethane	ND	0.0022	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,2-Dichloroethane	ND	0.0022	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,1-Dichloroethylene	ND	0.0045	0.00078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
cis-1,2-Dichloroethylene	ND	0.0022	0.00078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
trans-1,2-Dichloroethylene	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,2-Dichloropropane	ND	0.0022	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,3-Dichloropropane	ND	0.0011	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
2,2-Dichloropropane	ND	0.0022	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,1-Dichloropropene	ND	0.0045	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Diethyl Ether	ND	0.022	0.00078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-8 (10')

Sampled: 10/2/2019 15:20

Sample ID: 19J0330-19

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0011	0.00022	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,4-Dioxane	ND	0.11	0.0059	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Ethylbenzene	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Hexachlorobutadiene	ND	0.0022	0.00078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
2-Hexanone (MBK)	ND	0.022	0.0022	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Isopropylbenzene (Cumene)	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Methyl Acetate	ND	0.0022	0.00078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0045	0.00034	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Methyl Cyclohexane	ND	0.0022	0.00078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Methylene Chloride	0.0012	0.022	0.0011	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	0.0028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Naphthalene	ND	0.0045	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
n-Propylbenzene	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Styrene	ND	0.0022	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Tetrachloroethylene	ND	0.0022	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Tetrahydrofuran	ND	0.011	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Toluene	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,2,3-Trichlorobenzene	ND	0.0022	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,2,4-Trichlorobenzene	ND	0.0022	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,3,5-Trichlorobenzene	ND	0.0022	0.00034	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,1,1-Trichloroethane	ND	0.0022	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,1,2-Trichloroethane	ND	0.0022	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Trichloroethylene	ND	0.0022	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	0.00078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,2,3-Trichloropropane	ND	0.0045	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,2,4-Trimethylbenzene	ND	0.0022	0.00034	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,3,5-Trimethylbenzene	ND	0.0022	0.00056	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Vinyl Chloride	ND	0.011	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
m+p Xylene	ND	0.0045	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
o-Xylene	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		93.7	70-130						10/8/19 12:28	
Toluene-d8		118	70-130						10/8/19 12:28	
4-Bromofluorobenzene		102	70-130						10/8/19 12:28	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-8 (10')

Sampled: 10/2/2019 15:20

Sample ID: 19J0330-19

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	0.093	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Acenaphthylene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Acetophenone	ND	0.35	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Aniline	ND	0.35	0.083	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Anthracene	ND	0.18	0.093	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Benzidine	ND	0.68	0.19	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Benzo(a)anthracene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Benzo(a)pyrene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Benzo(b)fluoranthene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Benzo(g,h,i)perylene	ND	0.18	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Benzo(k)fluoranthene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Benzoic Acid	ND	1.0	0.61	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Bis(2-chloroethoxy)methane	ND	0.35	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Bis(2-chloroethyl)ether	ND	0.35	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Bis(2-chloroisopropyl)ether	ND	0.35	0.24	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.35	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
4-Bromophenylphenylether	ND	0.35	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Butylbenzylphthalate	ND	0.35	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Carbazole	ND	0.18	0.093	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
4-Chloroaniline	ND	0.68	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
4-Chloro-3-methylphenol	ND	0.68	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2-Chloronaphthalene	ND	0.35	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2-Chlorophenol	ND	0.35	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
4-Chlorophenylphenylether	ND	0.35	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Chrysene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Dibenz(a,h)anthracene	ND	0.18	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Dibenzofuran	ND	0.35	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Di-n-butylphthalate	ND	0.35	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
1,2-Dichlorobenzene	ND	0.35	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
1,3-Dichlorobenzene	ND	0.35	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
1,4-Dichlorobenzene	ND	0.35	0.093	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
3,3-Dichlorobenzidine	ND	0.18	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2,4-Dichlorophenol	ND	0.35	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Diethylphthalate	ND	0.35	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2,4-Dimethylphenol	ND	0.35	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Dimethylphthalate	ND	0.35	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
4,6-Dinitro-2-methylphenol	ND	0.35	0.31	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2,4-Dinitrophenol	ND	0.68	0.48	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2,4-Dinitrotoluene	ND	0.35	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2,6-Dinitrotoluene	ND	0.35	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Di-n-octylphthalate	ND	0.35	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.35	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Fluoranthene	ND	0.18	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Fluorene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-8 (10')

Sampled: 10/2/2019 15:20

Sample ID: 19J0330-19

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.35	0.093	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Hexachlorobutadiene	ND	0.35	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Hexachlorocyclopentadiene	ND	0.35	0.29	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Hexachloroethane	ND	0.35	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Indeno(1,2,3-cd)pyrene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Isophorone	ND	0.35	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
1-Methylnaphthalene	ND	0.18	0.093	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2-Methylnaphthalene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2-Methylphenol	ND	0.35	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
3/4-Methylphenol	ND	0.35	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Naphthalene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2-Nitroaniline	ND	0.35	0.21	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
3-Nitroaniline	ND	0.35	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
4-Nitroaniline	ND	0.35	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Nitrobenzene	ND	0.35	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2-Nitrophenol	ND	0.35	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
4-Nitrophenol	ND	0.68	0.25	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 18:08	KLB
N-Nitrosodimethylamine	ND	0.35	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.35	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
N-Nitrosodi-n-propylamine	ND	0.35	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Pentachloronitrobenzene	ND	0.35	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Pentachlorophenol	ND	0.35	0.24	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Phenanthrene	ND	0.18	0.093	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Phenol	ND	0.35	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Pyrene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Pyridine	ND	0.35	0.10	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 18:08	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.35	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
1,2,4-Trichlorobenzene	ND	0.35	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2,4,5-Trichlorophenol	ND	0.35	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2,4,6-Trichlorophenol	ND	0.35	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
2-Fluorophenol		68.4	30-130						10/9/19 18:08	
Phenol-d6		70.0	30-130						10/9/19 18:08	
Nitrobenzene-d5		74.2	30-130						10/9/19 18:08	
2-Fluorobiphenyl		78.6	30-130						10/9/19 18:08	
2,4,6-Tribromophenol		98.7	30-130						10/9/19 18:08	
p-Terphenyl-d14		132	*	30-130		S-07			10/9/19 18:08	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-8 (10')

Sampled: 10/2/2019 15:20

Sample ID: 19J0330-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	0.038	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:23	TG
Aroclor-1221 [1]	ND	0.084	0.063	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:23	TG
Aroclor-1232 [1]	ND	0.084	0.076	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:23	TG
Aroclor-1242 [1]	ND	0.084	0.063	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:23	TG
Aroclor-1248 [1]	ND	0.084	0.029	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:23	TG
Aroclor-1254 [1]	ND	0.084	0.034	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:23	TG
Aroclor-1260 [1]	ND	0.084	0.046	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:23	TG
Aroclor-1262 [1]	ND	0.084	0.042	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:23	TG
Aroclor-1268 [1]	ND	0.084	0.067	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:23	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		96.3	30-150						10/14/19 21:23	
Decachlorobiphenyl [2]		102	30-150						10/14/19 21:23	
Tetrachloro-m-xylene [1]		99.5	30-150						10/14/19 21:23	
Tetrachloro-m-xylene [2]		104	30-150						10/14/19 21:23	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Sampled: 10/2/2019 15:20

Field Sample #: TP-8 (10')

Sample ID: 19J0330-19

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	2.3	1.7	0.33	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:13	TBC/MJH
Barium	49	1.7	0.37	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:13	TBC/MJH
Cadmium	0.094	0.17	0.062	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 20:13	TBC/MJH
Chromium	9.2	0.34	0.25	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:13	TBC/MJH
Lead	10	0.52	0.21	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:13	TBC/MJH
Mercury	0.012	0.025	0.0075	mg/Kg dry	1	J	SW-846 7471B	10/11/19	10/12/19 12:35	AJL
Selenium	ND	3.4	1.7	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:13	TBC/MJH
Silver	ND	0.34	0.15	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:13	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Sampled: 10/2/2019 15:20

Field Sample #: TP-8 (10')

Sample ID: 19J0330-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.3		% Wt	1		SM 2540G	10/11/19	10/12/19 9:40	AJB + CBM

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-6 (10')

Sampled: 10/3/2019 08:50

Sample ID: 19J0330-20

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.14	0.012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Acrylonitrile	ND	0.0083	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0014	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Benzene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Bromobenzene	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Bromochloromethane	ND	0.0055	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Bromodichloromethane	ND	0.0028	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Bromoform	ND	0.0055	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Bromomethane	ND	0.014	0.0015	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
2-Butanone (MEK)	ND	0.055	0.0076	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
tert-Butyl Alcohol (TBA)	ND	0.055	0.0062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
n-Butylbenzene	ND	0.0028	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
sec-Butylbenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
tert-Butylbenzene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0014	0.00028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Carbon Disulfide	ND	0.0083	0.0075	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Carbon Tetrachloride	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Chlorobenzene	ND	0.0028	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Chlorodibromomethane	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Chloroethane	ND	0.028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Chloroform	ND	0.0055	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Chloromethane	ND	0.014	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
2-Chlorotoluene	ND	0.0028	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
4-Chlorotoluene	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Dibromomethane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,2-Dichlorobenzene	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,3-Dichlorobenzene	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,4-Dichlorobenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
trans-1,4-Dichloro-2-butene	ND	0.0055	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.028	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,1-Dichloroethane	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,2-Dichloroethane	ND	0.0028	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,1-Dichloroethylene	ND	0.0055	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
cis-1,2-Dichloroethylene	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
trans-1,2-Dichloroethylene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,2-Dichloropropane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,3-Dichloropropane	ND	0.0014	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
2,2-Dichloropropane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,1-Dichloropropene	ND	0.0055	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
cis-1,3-Dichloropropene	ND	0.0014	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
trans-1,3-Dichloropropene	ND	0.0014	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Diethyl Ether	ND	0.028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-6 (10')

Sampled: 10/3/2019 08:50

Sample ID: 19J0330-20

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0014	0.00028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,4-Dioxane	ND	0.14	0.0073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Ethylbenzene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Hexachlorobutadiene	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
2-Hexanone (MBK)	ND	0.028	0.0028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Isopropylbenzene (Cumene)	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0028	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Methyl Acetate	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0055	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Methyl Cyclohexane	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Methylene Chloride	0.0080	0.028	0.0014	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.028	0.0035	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Naphthalene	ND	0.0055	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
n-Propylbenzene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Styrene	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,1,1,2-Tetrachloroethane	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,1,2,2-Tetrachloroethane	ND	0.0014	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Tetrachloroethylene	ND	0.0028	0.0017	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Tetrahydrofuran	ND	0.014	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Toluene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,2,3-Trichlorobenzene	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,2,4-Trichlorobenzene	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,3,5-Trichlorobenzene	ND	0.0028	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,1,1-Trichloroethane	ND	0.0028	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,1,2-Trichloroethane	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Trichloroethylene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Trichlorofluoromethane (Freon 11)	ND	0.014	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,2,3-Trichloropropane	ND	0.0055	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.014	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,2,4-Trimethylbenzene	ND	0.0028	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,3,5-Trimethylbenzene	ND	0.0028	0.00069	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Vinyl Chloride	ND	0.014	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
m+p Xylene	ND	0.0055	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
o-Xylene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		97.8	70-130						10/8/19 12:57	
Toluene-d8		99.5	70-130						10/8/19 12:57	
4-Bromofluorobenzene		104	70-130						10/8/19 12:57	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-6 (10')

Sampled: 10/3/2019 08:50

Sample ID: 19J0330-20

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Acenaphthylene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Acetophenone	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Aniline	ND	0.40	0.093	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Anthracene	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Benzidine	ND	0.77	0.21	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Benzo(a)anthracene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Benzo(a)pyrene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Benzo(b)fluoranthene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Benzo(g,h,i)perylene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Benzo(k)fluoranthene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Benzoic Acid	ND	1.2	0.69	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Bis(2-chloroethoxy)methane	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Bis(2-chloroethyl)ether	ND	0.40	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Bis(2-chloroisopropyl)ether	ND	0.40	0.27	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
4-Bromophenylphenylether	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Butylbenzylphthalate	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Carbazole	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
4-Chloroaniline	ND	0.77	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
4-Chloro-3-methylphenol	ND	0.77	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2-Chloronaphthalene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2-Chlorophenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
4-Chlorophenylphenylether	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Chrysene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Dibenz(a,h)anthracene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Dibenzofuran	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Di-n-butylphthalate	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
1,2-Dichlorobenzene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
1,3-Dichlorobenzene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
1,4-Dichlorobenzene	ND	0.40	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
3,3-Dichlorobenzidine	ND	0.20	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2,4-Dichlorophenol	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Diethylphthalate	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2,4-Dimethylphenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Dimethylphthalate	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
4,6-Dinitro-2-methylphenol	ND	0.40	0.35	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2,4-Dinitrophenol	ND	0.77	0.54	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2,4-Dinitrotoluene	ND	0.40	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2,6-Dinitrotoluene	ND	0.40	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Di-n-octylphthalate	ND	0.40	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Fluoranthene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Fluorene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-6 (10')

Sampled: 10/3/2019 08:50

Sample ID: 19J0330-20

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.40	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Hexachlorobutadiene	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Hexachlorocyclopentadiene	ND	0.40	0.33	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Hexachloroethane	ND	0.40	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Indeno(1,2,3-cd)pyrene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Isophorone	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
1-Methylnaphthalene	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2-Methylnaphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2-Methylphenol	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
3/4-Methylphenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Naphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2-Nitroaniline	ND	0.40	0.23	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
3-Nitroaniline	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
4-Nitroaniline	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Nitrobenzene	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2-Nitrophenol	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
4-Nitrophenol	ND	0.77	0.28	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 18:31	KLB
N-Nitrosodimethylamine	ND	0.40	0.21	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
N-Nitrosodi-n-propylamine	ND	0.40	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Pentachloronitrobenzene	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Pentachlorophenol	ND	0.40	0.27	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Phenanthrene	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Phenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Pyrene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Pyridine	ND	0.40	0.12	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 18:31	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
1,2,4-Trichlorobenzene	ND	0.40	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2,4,5-Trichlorophenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2,4,6-Trichlorophenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	63.2	30-130	
Phenol-d6	63.5	30-130	
Nitrobenzene-d5	67.6	30-130	
2-Fluorobiphenyl	74.2	30-130	
2,4,6-Tribromophenol	101	30-130	
p-Terphenyl-d14	121	30-130	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-6 (10')

Sampled: 10/3/2019 08:50

Sample ID: 19J0330-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	0.042	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:36	TG
Aroclor-1221 [1]	ND	0.093	0.069	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:36	TG
Aroclor-1232 [1]	ND	0.093	0.083	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:36	TG
Aroclor-1242 [1]	ND	0.093	0.069	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:36	TG
Aroclor-1248 [1]	ND	0.093	0.032	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:36	TG
Aroclor-1254 [1]	ND	0.093	0.037	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:36	TG
Aroclor-1260 [1]	ND	0.093	0.051	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:36	TG
Aroclor-1262 [1]	ND	0.093	0.046	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:36	TG
Aroclor-1268 [1]	ND	0.093	0.074	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:36	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		88.6	30-150						10/14/19 21:36	
Decachlorobiphenyl [2]		93.6	30-150						10/14/19 21:36	
Tetrachloro-m-xylene [1]		99.0	30-150						10/14/19 21:36	
Tetrachloro-m-xylene [2]		103	30-150						10/14/19 21:36	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Sampled: 10/3/2019 08:50

Field Sample #: TP-6 (10')

Sample ID: 19J0330-20

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	2.3	1.9	0.37	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:07	TBC/MJH
Barium	56	1.9	0.41	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:07	TBC/MJH
Cadmium	0.13	0.19	0.069	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 20:07	TBC/MJH
Chromium	10	0.38	0.27	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:07	TBC/MJH
Lead	17	0.57	0.23	mg/Kg dry	1	MS-07	SW-846 6010D	10/11/19	10/14/19 20:07	TBC/MJH
Mercury	0.023	0.029	0.0088	mg/Kg dry	1	J	SW-846 7471B	10/11/19	10/12/19 12:54	AJL
Selenium	ND	3.8	1.9	mg/Kg dry	1	MS-07	SW-846 6010D	10/11/19	10/14/19 20:07	TBC/MJH
Silver	ND	0.38	0.17	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:07	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Sampled: 10/3/2019 08:50

Field Sample #: TP-6 (10')

Sample ID: 19J0330-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.5		% Wt	1		SM 2540G	10/11/19	10/12/19 9:40	AJB + CBM

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (10')

Sampled: 10/2/2019 13:55

Sample ID: 19J0330-21

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.027	0.10	0.0087	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Acrylonitrile	ND	0.0062	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0010	0.00031	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Benzene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Bromobenzene	ND	0.0021	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Bromochloromethane	ND	0.0042	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Bromodichloromethane	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Bromoform	ND	0.0042	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Bromomethane	ND	0.010	0.0011	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
2-Butanone (MEK)	ND	0.042	0.0057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
tert-Butyl Alcohol (TBA)	ND	0.042	0.0047	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
n-Butylbenzene	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
sec-Butylbenzene	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
tert-Butylbenzene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	0.00021	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Carbon Disulfide	ND	0.0062	0.0056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Carbon Tetrachloride	ND	0.0021	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Chlorobenzene	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Chlorodibromomethane	ND	0.0021	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Chloroethane	ND	0.021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Chloroform	ND	0.0042	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Chloromethane	ND	0.010	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
2-Chlorotoluene	ND	0.0021	0.00031	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
4-Chlorotoluene	ND	0.0021	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Dibromomethane	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,2-Dichlorobenzene	ND	0.0021	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,3-Dichlorobenzene	ND	0.0021	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,4-Dichlorobenzene	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
trans-1,4-Dichloro-2-butene	ND	0.0042	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,1-Dichloroethane	ND	0.0021	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,2-Dichloroethane	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,1-Dichloroethylene	ND	0.0042	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
cis-1,2-Dichloroethylene	ND	0.0021	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
trans-1,2-Dichloroethylene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,2-Dichloropropane	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,3-Dichloropropane	ND	0.0010	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
2,2-Dichloropropane	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,1-Dichloropropene	ND	0.0042	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
cis-1,3-Dichloropropene	ND	0.0010	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
trans-1,3-Dichloropropene	ND	0.0010	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Diethyl Ether	ND	0.021	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (10')

Sampled: 10/2/2019 13:55

Sample ID: 19J0330-21

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0010	0.00021	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,4-Dioxane	ND	0.10	0.0055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Ethylbenzene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Hexachlorobutadiene	ND	0.0021	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
2-Hexanone (MBK)	ND	0.021	0.0021	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Isopropylbenzene (Cumene)	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Methyl Acetate	ND	0.0021	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0042	0.00031	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Methyl Cyclohexane	ND	0.0021	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Methylene Chloride	0.011	0.021	0.0010	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	0.0026	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Naphthalene	ND	0.0042	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
n-Propylbenzene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Styrene	ND	0.0021	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Tetrachloroethylene	ND	0.0021	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Tetrahydrofuran	ND	0.010	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Toluene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,2,3-Trichlorobenzene	ND	0.0021	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,2,4-Trichlorobenzene	ND	0.0021	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,3,5-Trichlorobenzene	ND	0.0021	0.00031	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,1,1-Trichloroethane	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,1,2-Trichloroethane	ND	0.0021	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Trichloroethylene	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,2,3-Trichloropropane	ND	0.0042	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,2,4-Trimethylbenzene	ND	0.0021	0.00031	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,3,5-Trimethylbenzene	ND	0.0021	0.00052	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Vinyl Chloride	ND	0.010	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
m+p Xylene	ND	0.0042	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
o-Xylene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		94.4	70-130						10/8/19 13:26	
Toluene-d8		118	70-130						10/8/19 13:26	
4-Bromofluorobenzene		105	70-130						10/8/19 13:26	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (10')

Sampled: 10/2/2019 13:55

Sample ID: 19J0330-21

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Acenaphthylene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Acetophenone	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Aniline	ND	0.38	0.089	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Anthracene	ND	0.19	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Benzidine	ND	0.73	0.20	mg/Kg dry	1	MS-09, R-05, V-05, V-35	SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Benzo(a)anthracene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Benzo(a)pyrene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Benzo(b)fluoranthene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Benzo(g,h,i)perylene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Benzo(k)fluoranthene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Benzoic Acid	ND	1.1	0.65	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Bis(2-chloroethoxy)methane	ND	0.38	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Bis(2-chloroethyl)ether	ND	0.38	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Bis(2-chloroisopropyl)ether	ND	0.38	0.26	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
4-Bromophenylphenylether	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Butylbenzylphthalate	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Carbazole	ND	0.19	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
4-Chloroaniline	ND	0.73	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
4-Chloro-3-methylphenol	ND	0.73	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2-Chloronaphthalene	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2-Chlorophenol	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
4-Chlorophenylphenylether	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Chrysene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Dibenz(a,h)anthracene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Dibenzofuran	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Di-n-butylphthalate	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
1,2-Dichlorobenzene	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
1,3-Dichlorobenzene	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
1,4-Dichlorobenzene	ND	0.38	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
3,3-Dichlorobenzidine	ND	0.19	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2,4-Dichlorophenol	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Diethylphthalate	ND	0.38	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2,4-Dimethylphenol	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Dimethylphthalate	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
4,6-Dinitro-2-methylphenol	ND	0.38	0.33	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2,4-Dinitrophenol	ND	0.73	0.51	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2,4-Dinitrotoluene	ND	0.38	0.18	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2,6-Dinitrotoluene	ND	0.38	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Di-n-octylphthalate	ND	0.38	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Fluoranthene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (10')

Sampled: 10/2/2019 13:55

Sample ID: 19J0330-21

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluorene	ND	0.19	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Hexachlorobenzene	ND	0.38	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Hexachlorobutadiene	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Hexachlorocyclopentadiene	ND	0.38	0.31	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Hexachloroethane	ND	0.38	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Indeno(1,2,3-cd)pyrene	ND	0.19	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Isophorone	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
1-Methylnaphthalene	ND	0.19	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2-Methylnaphthalene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2-Methylphenol	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
3/4-Methylphenol	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Naphthalene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2-Nitroaniline	ND	0.38	0.22	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
3-Nitroaniline	ND	0.38	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
4-Nitroaniline	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Nitrobenzene	ND	0.38	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2-Nitrophenol	ND	0.38	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
4-Nitrophenol	ND	0.73	0.27	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
N-Nitrosodimethylamine	ND	0.38	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
N-Nitrosodi-n-propylamine	ND	0.38	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Pentachloronitrobenzene	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Pentachlorophenol	ND	0.38	0.26	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Phenanthrene	ND	0.19	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Phenol	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Pyrene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Pyridine	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
1,2,4-Trichlorobenzene	ND	0.38	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2,4,5-Trichlorophenol	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2,4,6-Trichlorophenol	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	77.4	30-130	
Phenol-d6	78.9	30-130	
Nitrobenzene-d5	73.7	30-130	
2-Fluorobiphenyl	84.5	30-130	
2,4,6-Tribromophenol	92.4	30-130	
p-Terphenyl-d14	109	30-130	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (10')

Sampled: 10/2/2019 13:55

Sample ID: 19J0330-21

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	0.040	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:48	TG
Aroclor-1221 [1]	ND	0.090	0.067	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:48	TG
Aroclor-1232 [1]	ND	0.090	0.081	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:48	TG
Aroclor-1242 [1]	ND	0.090	0.067	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:48	TG
Aroclor-1248 [1]	ND	0.090	0.031	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:48	TG
Aroclor-1254 [1]	ND	0.090	0.036	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:48	TG
Aroclor-1260 [1]	ND	0.090	0.049	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:48	TG
Aroclor-1262 [1]	ND	0.090	0.045	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:48	TG
Aroclor-1268 [1]	ND	0.090	0.072	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:48	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		88.2	30-150						10/14/19 21:48	
Decachlorobiphenyl [2]		93.3	30-150						10/14/19 21:48	
Tetrachloro-m-xylene [1]		94.5	30-150						10/14/19 21:48	
Tetrachloro-m-xylene [2]		97.7	30-150						10/14/19 21:48	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (10')

Sampled: 10/2/2019 13:55

Sample ID: 19J0330-21

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.0	1.9	0.37	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:19	TBC/MJH
Barium	72	1.9	0.41	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:19	TBC/MJH
Cadmium	0.12	0.19	0.069	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 20:19	TBC/MJH
Chromium	10	0.38	0.28	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:19	TBC/MJH
Lead	12	0.57	0.23	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:19	TBC/MJH
Mercury	0.017	0.028	0.0084	mg/Kg dry	1	J	SW-846 7471B	10/11/19	10/12/19 12:56	AJL
Selenium	ND	3.8	1.9	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:19	TBC/MJH
Silver	ND	0.38	0.17	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:19	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (10')

Sampled: 10/2/2019 13:55

Sample ID: 19J0330-21

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.2		% Wt	1		SM 2540G	10/11/19	10/12/19 9:40	AJB + CBM

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-7 (0-2')

Sampled: 10/2/2019 16:05

Sample ID: 19J0330-22

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	0.0087	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Acrylonitrile	ND	0.0062	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0010	0.00031	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Benzene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Bromobenzene	ND	0.0021	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Bromochloromethane	ND	0.0041	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Bromodichloromethane	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Bromoform	ND	0.0041	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Bromomethane	ND	0.010	0.0011	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
2-Butanone (MEK)	ND	0.041	0.0057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
tert-Butyl Alcohol (TBA)	ND	0.041	0.0047	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
n-Butylbenzene	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
sec-Butylbenzene	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
tert-Butylbenzene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	0.00021	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Carbon Disulfide	ND	0.0062	0.0056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Carbon Tetrachloride	ND	0.0021	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Chlorobenzene	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Chlorodibromomethane	ND	0.0021	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Chloroethane	ND	0.021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Chloroform	ND	0.0041	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Chloromethane	ND	0.010	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
2-Chlorotoluene	ND	0.0021	0.00031	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
4-Chlorotoluene	ND	0.0021	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Dibromomethane	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,2-Dichlorobenzene	ND	0.0021	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,3-Dichlorobenzene	ND	0.0021	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,4-Dichlorobenzene	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
trans-1,4-Dichloro-2-butene	ND	0.0041	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,1-Dichloroethane	ND	0.0021	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,2-Dichloroethane	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,1-Dichloroethylene	ND	0.0041	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
cis-1,2-Dichloroethylene	ND	0.0021	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
trans-1,2-Dichloroethylene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,2-Dichloropropane	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,3-Dichloropropane	ND	0.0010	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
2,2-Dichloropropane	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,1-Dichloropropene	ND	0.0041	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
cis-1,3-Dichloropropene	ND	0.0010	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
trans-1,3-Dichloropropene	ND	0.0010	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Diethyl Ether	ND	0.021	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-7 (0-2')

Sampled: 10/2/2019 16:05

Sample ID: 19J0330-22

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0010	0.00021	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,4-Dioxane	ND	0.10	0.0055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Ethylbenzene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Hexachlorobutadiene	ND	0.0021	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
2-Hexanone (MBK)	ND	0.021	0.0021	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Isopropylbenzene (Cumene)	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Methyl Acetate	ND	0.0021	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0041	0.00031	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Methyl Cyclohexane	ND	0.0021	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Methylene Chloride	ND	0.021	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	0.0026	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Naphthalene	ND	0.0041	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
n-Propylbenzene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Styrene	ND	0.0021	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Tetrachloroethylene	ND	0.0021	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Tetrahydrofuran	ND	0.010	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Toluene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,2,3-Trichlorobenzene	ND	0.0021	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,2,4-Trichlorobenzene	ND	0.0021	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,3,5-Trichlorobenzene	ND	0.0021	0.00031	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,1,1-Trichloroethane	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,1,2-Trichloroethane	ND	0.0021	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Trichloroethylene	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,2,3-Trichloropropane	ND	0.0041	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,2,4-Trimethylbenzene	ND	0.0021	0.00031	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,3,5-Trimethylbenzene	ND	0.0021	0.00052	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Vinyl Chloride	ND	0.010	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
m+p Xylene	ND	0.0041	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
o-Xylene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		98.9	70-130						10/8/19 13:53	
Toluene-d8		108	70-130						10/8/19 13:53	
4-Bromofluorobenzene		105	70-130						10/8/19 13:53	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-7 (0-2')

Sampled: 10/2/2019 16:05

Sample ID: 19J0330-22

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	0.097	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Acenaphthylene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Acetophenone	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Aniline	ND	0.37	0.086	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Anthracene	ND	0.18	0.097	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Benzidine	ND	0.71	0.19	mg/Kg dry	1	R-05, V-05, V-35	SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Benzo(a)anthracene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Benzo(a)pyrene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Benzo(b)fluoranthene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Benzo(g,h,i)perylene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Benzo(k)fluoranthene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Benzoic Acid	ND	1.1	0.64	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Bis(2-chloroethoxy)methane	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Bis(2-chloroethyl)ether	ND	0.37	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Bis(2-chloroisopropyl)ether	ND	0.37	0.25	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
4-Bromophenylphenylether	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Butylbenzylphthalate	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Carbazole	ND	0.18	0.097	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
4-Chloroaniline	ND	0.71	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
4-Chloro-3-methylphenol	ND	0.71	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2-Chloronaphthalene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2-Chlorophenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
4-Chlorophenylphenylether	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Chrysene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Dibenz(a,h)anthracene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Dibenzofuran	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Di-n-butylphthalate	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
1,2-Dichlorobenzene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
1,3-Dichlorobenzene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
1,4-Dichlorobenzene	ND	0.37	0.097	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
3,3-Dichlorobenzidine	ND	0.18	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2,4-Dichlorophenol	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Diethylphthalate	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2,4-Dimethylphenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Dimethylphthalate	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
4,6-Dinitro-2-methylphenol	ND	0.37	0.32	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2,4-Dinitrophenol	ND	0.71	0.50	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2,4-Dinitrotoluene	ND	0.37	0.17	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2,6-Dinitrotoluene	ND	0.37	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Di-n-octylphthalate	ND	0.37	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Fluoranthene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Fluorene	ND	0.18	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-7 (0-2')

Sampled: 10/2/2019 16:05

Sample ID: 19J0330-22

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.37	0.097	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Hexachlorobutadiene	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Hexachlorocyclopentadiene	ND	0.37	0.30	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Hexachloroethane	ND	0.37	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Indeno(1,2,3-cd)pyrene	ND	0.18	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Isophorone	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
1-Methylnaphthalene	ND	0.18	0.097	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2-Methylnaphthalene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2-Methylphenol	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
3/4-Methylphenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Naphthalene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2-Nitroaniline	ND	0.37	0.22	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
3-Nitroaniline	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
4-Nitroaniline	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Nitrobenzene	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2-Nitrophenol	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
4-Nitrophenol	ND	0.71	0.26	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
N-Nitrosodimethylamine	ND	0.37	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
N-Nitrosodi-n-propylamine	ND	0.37	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Pentachloronitrobenzene	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Pentachlorophenol	ND	0.37	0.25	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Phenanthrene	ND	0.18	0.097	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Phenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Pyrene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Pyridine	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
1,2,4-Trichlorobenzene	ND	0.37	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2,4,5-Trichlorophenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2,4,6-Trichlorophenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	72.9	30-130	
Phenol-d6	61.8	30-130	
Nitrobenzene-d5	74.2	30-130	
2-Fluorobiphenyl	79.8	30-130	
2,4,6-Tribromophenol	74.7	30-130	
p-Terphenyl-d14	86.9	30-130	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-7 (0-2')

Sampled: 10/2/2019 16:05

Sample ID: 19J0330-22

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	0.037	mg/Kg dry	4		SW-846 8082A	10/11/19	10/15/19 11:08	TG
Aroclor-1221 [1]	ND	0.081	0.061	mg/Kg dry	4		SW-846 8082A	10/11/19	10/15/19 11:08	TG
Aroclor-1232 [1]	ND	0.081	0.073	mg/Kg dry	4		SW-846 8082A	10/11/19	10/15/19 11:08	TG
Aroclor-1242 [1]	ND	0.081	0.061	mg/Kg dry	4		SW-846 8082A	10/11/19	10/15/19 11:08	TG
Aroclor-1248 [1]	ND	0.081	0.028	mg/Kg dry	4		SW-846 8082A	10/11/19	10/15/19 11:08	TG
Aroclor-1254 [1]	ND	0.081	0.033	mg/Kg dry	4		SW-846 8082A	10/11/19	10/15/19 11:08	TG
Aroclor-1260 [1]	ND	0.081	0.045	mg/Kg dry	4		SW-846 8082A	10/11/19	10/15/19 11:08	TG
Aroclor-1262 [1]	ND	0.081	0.041	mg/Kg dry	4		SW-846 8082A	10/11/19	10/15/19 11:08	TG
Aroclor-1268 [1]	ND	0.081	0.065	mg/Kg dry	4		SW-846 8082A	10/11/19	10/15/19 11:08	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		83.0	30-150						10/15/19 11:08	
Decachlorobiphenyl [2]		90.2	30-150						10/15/19 11:08	
Tetrachloro-m-xylene [1]		89.7	30-150						10/15/19 11:08	
Tetrachloro-m-xylene [2]		95.5	30-150						10/15/19 11:08	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-7 (0-2')

Sampled: 10/2/2019 16:05

Sample ID: 19J0330-22

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.0	1.8	0.35	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:25	TBC/MJH
Barium	88	1.8	0.39	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:25	TBC/MJH
Cadmium	0.24	0.18	0.065	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:25	TBC/MJH
Chromium	13	0.36	0.26	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:25	TBC/MJH
Lead	41	0.54	0.22	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:25	TBC/MJH
Mercury	0.12	0.027	0.0081	mg/Kg dry	1		SW-846 7471B	10/11/19	10/12/19 12:57	AJL
Selenium	ND	3.6	1.8	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:25	TBC/MJH
Silver	ND	0.36	0.16	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:25	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Sampled: 10/2/2019 16:05

Field Sample #: TP-7 (0-2')

Sample ID: 19J0330-22

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.9		% Wt	1		SM 2540G	10/11/19	10/12/19 9:40	AJB + CBM

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
19J0330-01 [DUP 1]	B242994	10/11/19
19J0330-02 [TP-3 (10')]	B242994	10/11/19
19J0330-03 [TP-3 (0-2')]	B242994	10/11/19
19J0330-04 [TP-4 (0-2')]	B242994	10/11/19
19J0330-05 [TP-4 (9-10')]	B242994	10/11/19
19J0330-06 [TP-9 (0-2')]	B242994	10/11/19
19J0330-07 [TP-5 (0-2')]	B242994	10/11/19
19J0330-08 [TP-10 (0-2')]	B242994	10/11/19
19J0330-09 [TP-7 (8')]	B242994	10/11/19
19J0330-10 [TP-6 (0-2')]	B242994	10/11/19
19J0330-11 [TP-9 (10')]	B242994	10/11/19
19J0330-12 [TP-10 (5-6')]	B242994	10/11/19
19J0330-13 [TP-12 (0-2')]	B242994	10/11/19
19J0330-14 [TP-11 (10')]	B242994	10/11/19
19J0330-15 [TP-11 (0-2')]	B242994	10/11/19
19J0330-16 [DUP 2]	B242994	10/11/19
19J0330-17 [TP-5 (9-10')]	B242994	10/11/19
19J0330-18 [TP-8 (0-2')]	B242994	10/11/19
19J0330-19 [TP-8 (10')]	B242994	10/11/19
19J0330-20 [TP-6 (10')]	B242994	10/11/19
19J0330-21 [TP-12 (10')]	B242994	10/11/19
19J0330-22 [TP-7 (0-2')]	B242994	10/11/19

Prep Method: SW-846 3050B-SW-846 6010D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19J0330-01 [DUP 1]	B242954	1.52	50.0	10/11/19
19J0330-02 [TP-3 (10')]	B242954	1.53	50.0	10/11/19
19J0330-03 [TP-3 (0-2')]	B242954	1.50	50.0	10/11/19
19J0330-04 [TP-4 (0-2')]	B242954	1.50	50.0	10/11/19
19J0330-05 [TP-4 (9-10')]	B242954	1.52	50.0	10/11/19
19J0330-06 [TP-9 (0-2')]	B242954	1.52	50.0	10/11/19
19J0330-07 [TP-5 (0-2')]	B242954	1.51	50.0	10/11/19
19J0330-08 [TP-10 (0-2')]	B242954	1.53	50.0	10/11/19
19J0330-09 [TP-7 (8')]	B242954	1.51	50.0	10/11/19
19J0330-10 [TP-6 (0-2')]	B242954	1.51	50.0	10/11/19
19J0330-11 [TP-9 (10')]	B242954	1.50	50.0	10/11/19
19J0330-12 [TP-10 (5-6')]	B242954	1.54	50.0	10/11/19
19J0330-13 [TP-12 (0-2')]	B242954	1.53	50.0	10/11/19
19J0330-14 [TP-11 (10')]	B242954	1.54	50.0	10/11/19
19J0330-15 [TP-11 (0-2')]	B242954	1.50	50.0	10/11/19
19J0330-16 [DUP 2]	B242954	1.52	50.0	10/11/19
19J0330-17 [TP-5 (9-10')]	B242954	1.53	50.0	10/11/19
19J0330-18 [TP-8 (0-2')]	B242954	1.53	50.0	10/11/19

Prep Method: SW-846 3050B-SW-846 6010D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19J0330-19 [TP-8 (10')]	B243002	1.53	50.0	10/11/19
19J0330-20 [TP-6 (10')]	B243002	1.53	50.0	10/11/19
19J0330-21 [TP-12 (10')]	B243002	1.46	50.0	10/11/19
19J0330-22 [TP-7 (0-2')]	B243002	1.50	50.0	10/11/19

Sample Extraction Data

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19J0330-01 [DUP 1]	B242991	0.585	50.0	10/11/19
19J0330-02 [TP-3 (10')]	B242991	0.626	50.0	10/11/19
19J0330-03 [TP-3 (0-2')]	B242991	0.599	50.0	10/11/19
19J0330-04 [TP-4 (0-2')]	B242991	0.599	50.0	10/11/19
19J0330-05 [TP-4 (9-10')]	B242991	0.622	50.0	10/11/19
19J0330-06 [TP-9 (0-2')]	B242991	0.585	50.0	10/11/19
19J0330-07 [TP-5 (0-2')]	B242991	0.581	50.0	10/11/19
19J0330-08 [TP-10 (0-2')]	B242991	0.637	50.0	10/11/19
19J0330-09 [TP-7 (8')]	B242991	0.576	50.0	10/11/19
19J0330-10 [TP-6 (0-2')]	B242991	0.585	50.0	10/11/19
19J0330-11 [TP-9 (10')]	B242991	0.578	50.0	10/11/19
19J0330-12 [TP-10 (5-6')]	B242991	0.576	50.0	10/11/19
19J0330-13 [TP-12 (0-2')]	B242991	0.595	50.0	10/11/19
19J0330-14 [TP-11 (10')]	B242991	0.620	50.0	10/11/19
19J0330-15 [TP-11 (0-2')]	B242991	0.619	50.0	10/11/19
19J0330-16 [DUP 2]	B242991	0.597	50.0	10/11/19
19J0330-17 [TP-5 (9-10')]	B242991	0.594	50.0	10/11/19
19J0330-18 [TP-8 (0-2')]	B242991	0.592	50.0	10/11/19
19J0330-19 [TP-8 (10')]	B242991	0.626	50.0	10/11/19

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19J0330-20 [TP-6 (10')]	B242992	0.597	50.0	10/11/19
19J0330-21 [TP-12 (10')]	B242992	0.602	50.0	10/11/19
19J0330-22 [TP-7 (0-2')]	B242992	0.606	50.0	10/11/19

Prep Method: SW-846 3546-SW-846 8081B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19J0330-06 [TP-9 (0-2')]	B242909	10.7	10.0	10/11/19
19J0330-08 [TP-10 (0-2')]	B242909	10.1	10.0	10/11/19
19J0330-11 [TP-9 (10')]	B242909	10.8	10.0	10/11/19
19J0330-12 [TP-10 (5-6')]	B242909	10.8	10.0	10/11/19

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19J0330-01 [DUP 1]	B242912	10.2	10.0	10/11/19
19J0330-02 [TP-3 (10')]	B242912	10.0	10.0	10/11/19
19J0330-03 [TP-3 (0-2')]	B242912	10.0	10.0	10/11/19
19J0330-04 [TP-4 (0-2')]	B242912	10.0	10.0	10/11/19
19J0330-05 [TP-4 (9-10')]	B242912	10.3	10.0	10/11/19
19J0330-06 [TP-9 (0-2')]	B242912	10.0	10.0	10/11/19
19J0330-07 [TP-5 (0-2')]	B242912	10.0	10.0	10/11/19
19J0330-08 [TP-10 (0-2')]	B242912	10.0	10.0	10/11/19
19J0330-09 [TP-7 (8')]	B242912	10.0	10.0	10/11/19
19J0330-10 [TP-6 (0-2')]	B242912	10.0	10.0	10/11/19
19J0330-11 [TP-9 (10')]	B242912	10.1	10.0	10/11/19
19J0330-12 [TP-10 (5-6')]	B242912	10.0	10.0	10/11/19

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19J0330-13 [TP-12 (0-2')]	B242912	10.0	10.0	10/11/19
19J0330-14 [TP-11 (10')]	B242912	10.3	10.0	10/11/19
19J0330-15 [TP-11 (0-2')]	B242912	10.0	10.0	10/11/19
19J0330-17 [TP-5 (9-10')]	B242912	10.0	10.0	10/11/19
19J0330-18 [TP-8 (0-2')]	B242912	10.0	10.0	10/11/19
19J0330-19 [TP-8 (10')]	B242912	10.0	10.0	10/11/19
19J0330-20 [TP-6 (10')]	B242912	10.1	10.0	10/11/19
19J0330-21 [TP-12 (10')]	B242912	10.0	10.0	10/11/19

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19J0330-22 [TP-7 (0-2')]	B243005	10.7	10.0	10/11/19

Prep Method: SW-846 8151-SW-846 8151A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19J0330-06 [TP-9 (0-2')]	B242514	20.3	5.00	10/08/19
19J0330-08 [TP-10 (0-2')]	B242514	20.0	5.00	10/08/19
19J0330-11 [TP-9 (10')]	B242514	20.1	5.00	10/08/19
19J0330-12 [TP-10 (5-6')]	B242514	20.2	5.00	10/08/19

Prep Method: SW-846 5035-SW-846 8260C-D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19J0330-01 [DUP 1]	B242469	4.41	10.0	10/07/19
19J0330-02 [TP-3 (10')]	B242469	4.78	10.0	10/07/19
19J0330-03 [TP-3 (0-2')]	B242469	4.20	10.0	10/07/19
19J0330-04 [TP-4 (0-2')]	B242469	4.25	10.0	10/07/19
19J0330-05 [TP-4 (9-10')]	B242469	4.46	10.0	10/07/19
19J0330-06 [TP-9 (0-2')]	B242469	4.62	10.0	10/07/19
19J0330-07 [TP-5 (0-2')]	B242469	4.85	10.0	10/07/19
19J0330-08 [TP-10 (0-2')]	B242469	4.65	10.0	10/07/19
19J0330-10 [TP-6 (0-2')]	B242469	4.23	10.0	10/07/19

Prep Method: SW-846 5035-SW-846 8260C-D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19J0330-09 [TP-7 (8')]	B242520	4.21	10.0	10/07/19
19J0330-11 [TP-9 (10')]	B242520	4.65	10.0	10/07/19
19J0330-12 [TP-10 (5-6')]	B242520	4.69	10.0	10/07/19
19J0330-13 [TP-12 (0-2')]	B242520	4.55	10.0	10/07/19
19J0330-14 [TP-11 (10')]	B242520	4.51	10.0	10/07/19
19J0330-15 [TP-11 (0-2')]	B242520	4.25	10.0	10/07/19
19J0330-16 [DUP 2]	B242520	4.26	10.0	10/07/19
19J0330-17 [TP-5 (9-10')]	B242520	4.45	10.0	10/07/19
19J0330-18 [TP-8 (0-2')]	B242520	4.79	10.0	10/07/19
19J0330-19 [TP-8 (10')]	B242520	4.70	10.0	10/07/19
19J0330-20 [TP-6 (10')]	B242520	4.23	10.0	10/07/19
19J0330-21 [TP-12 (10')]	B242520	5.40	10.0	10/07/19

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

Sample Extraction Data

Prep Method: SW-846 5035-SW-846 8260C-D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19J0330-22 [TP-7 (0-2')]	B242520	5.25	10.0	10/07/19

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19J0330-01 [DUP 1]	B242511	30.6	1.00	10/08/19
19J0330-02 [TP-3 (10')]	B242511	30.6	1.00	10/08/19
19J0330-03 [TP-3 (0-2')]	B242511	30.1	1.00	10/08/19
19J0330-04 [TP-4 (0-2')]	B242511	30.6	1.00	10/08/19
19J0330-05 [TP-4 (9-10')]	B242511	30.2	1.00	10/08/19
19J0330-06 [TP-9 (0-2')]	B242511	30.5	1.00	10/08/19
19J0330-07 [TP-5 (0-2')]	B242511	30.2	1.00	10/08/19
19J0330-08 [TP-10 (0-2')]	B242511	30.2	1.00	10/08/19
19J0330-09 [TP-7 (8')]	B242511	30.6	1.00	10/08/19
19J0330-10 [TP-6 (0-2')]	B242511	30.1	1.00	10/08/19
19J0330-11 [TP-9 (10')]	B242511	30.5	1.00	10/08/19
19J0330-12 [TP-10 (5-6')]	B242511	30.1	1.00	10/08/19
19J0330-13 [TP-12 (0-2')]	B242511	30.0	1.00	10/08/19
19J0330-14 [TP-11 (10')]	B242511	30.4	1.00	10/08/19
19J0330-15 [TP-11 (0-2')]	B242511	30.6	1.00	10/08/19
19J0330-16 [DUP 2]	B242511	30.1	1.00	10/08/19
19J0330-17 [TP-5 (9-10')]	B242511	30.4	1.00	10/08/19
19J0330-18 [TP-8 (0-2')]	B242511	30.0	1.00	10/08/19
19J0330-19 [TP-8 (10')]	B242511	30.5	1.00	10/08/19
19J0330-20 [TP-6 (10')]	B242511	30.1	1.00	10/08/19

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19J0330-21 [TP-12 (10')]	B242512	30.3	1.00	10/08/19
19J0330-22 [TP-7 (0-2')]	B242512	30.2	1.00	10/08/19

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

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
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Batch B242469 - SW-846 5035

Blank (B242469-BLK1)

Prepared & Analyzed: 10/07/19

Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromochloromethane	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							V-34
2-Butanone (MEK)	ND	0.040	mg/Kg wet							
tert-Butyl Alcohol (TBA)	ND	0.040	mg/Kg wet							
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
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	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Diethyl Ether	ND	0.020	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet							
1,4-Dioxane	ND	0.10	mg/Kg wet							
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 Acetate	ND	0.0020	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
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Batch B242469 - SW-846 5035

Blank (B242469-BLK1)

Prepared & Analyzed: 10/07/19

Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methyl Cyclohexane	ND	0.0020	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							
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							
1,3,5-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	0.0496		mg/Kg wet	0.0500		99.3	70-130			
Surrogate: Toluene-d8	0.0489		mg/Kg wet	0.0500		97.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.0506		mg/Kg wet	0.0500		101	70-130			

LCS (B242469-BS1)

Prepared & Analyzed: 10/07/19

Acetone	0.217	0.10	mg/Kg wet	0.200		108	70-160		V-35	†
Acrylonitrile	0.0186	0.0060	mg/Kg wet	0.0200		92.9	70-130			
tert-Amyl Methyl Ether (TAME)	0.0206	0.0010	mg/Kg wet	0.0200		103	70-130			
Benzene	0.0189	0.0020	mg/Kg wet	0.0200		94.6	70-130			
Bromobenzene	0.0194	0.0020	mg/Kg wet	0.0200		96.9	70-130			
Bromochloromethane	0.0219	0.0020	mg/Kg wet	0.0200		110	70-130			
Bromodichloromethane	0.0254	0.0020	mg/Kg wet	0.0200		127	70-130			
Bromoform	0.0223	0.0020	mg/Kg wet	0.0200		111	70-130			
Bromomethane	0.0168	0.010	mg/Kg wet	0.0200		84.0	40-130		V-20, V-34	†
2-Butanone (MEK)	0.198	0.040	mg/Kg wet	0.200		98.8	70-160			†
tert-Butyl Alcohol (TBA)	0.192	0.040	mg/Kg wet	0.200		95.8	40-130			†
n-Butylbenzene	0.0219	0.0020	mg/Kg wet	0.0200		110	70-130			
sec-Butylbenzene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130			
tert-Butylbenzene	0.0208	0.0020	mg/Kg wet	0.0200		104	70-160			†
tert-Butyl Ethyl Ether (TBEE)	0.0197	0.0010	mg/Kg wet	0.0200		98.4	70-130			
Carbon Disulfide	0.0201	0.0060	mg/Kg wet	0.0200		101	70-130			
Carbon Tetrachloride	0.0224	0.0020	mg/Kg wet	0.0200		112	70-130			
Chlorobenzene	0.0200	0.0020	mg/Kg wet	0.0200		100	70-130			
Chlorodibromomethane	0.0234	0.0010	mg/Kg wet	0.0200		117	70-130			
Chloroethane	0.0209	0.020	mg/Kg wet	0.0200		104	70-130			
Chloroform	0.0203	0.0040	mg/Kg wet	0.0200		102	70-130			

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

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 B242469 - SW-846 5035										
LCS (B242469-BS1)										
				Prepared & Analyzed: 10/07/19						
Chloromethane	0.0175	0.010	mg/Kg wet	0.0200		87.7	70-130			
2-Chlorotoluene	0.0207	0.0020	mg/Kg wet	0.0200		103	70-130			
4-Chlorotoluene	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0223	0.0020	mg/Kg wet	0.0200		112	70-130			
1,2-Dibromoethane (EDB)	0.0209	0.0010	mg/Kg wet	0.0200		105	70-130			
Dibromomethane	0.0224	0.0020	mg/Kg wet	0.0200		112	70-130			
1,2-Dichlorobenzene	0.0221	0.0020	mg/Kg wet	0.0200		110	70-130			
1,3-Dichlorobenzene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
1,4-Dichlorobenzene	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130			
trans-1,4-Dichloro-2-butene	0.0183	0.0040	mg/Kg wet	0.0200		91.6	70-130			
Dichlorodifluoromethane (Freon 12)	0.0187	0.020	mg/Kg wet	0.0200		93.4	40-160			J †
1,1-Dichloroethane	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
1,2-Dichloroethane	0.0228	0.0020	mg/Kg wet	0.0200		114	70-130			
1,1-Dichloroethylene	0.0216	0.0040	mg/Kg wet	0.0200		108	70-130			
cis-1,2-Dichloroethylene	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130			
trans-1,2-Dichloroethylene	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130			
1,2-Dichloropropane	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130			
1,3-Dichloropropane	0.0197	0.0010	mg/Kg wet	0.0200		98.4	70-130			
2,2-Dichloropropane	0.0211	0.0020	mg/Kg wet	0.0200		105	70-130			
1,1-Dichloropropene	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130			
cis-1,3-Dichloropropene	0.0225	0.0010	mg/Kg wet	0.0200		112	70-130			
trans-1,3-Dichloropropene	0.0226	0.0010	mg/Kg wet	0.0200		113	70-130			
Diethyl Ether	0.0191	0.020	mg/Kg wet	0.0200		95.3	70-130			J
Diisopropyl Ether (DIPE)	0.0199	0.0010	mg/Kg wet	0.0200		99.7	70-130			
1,4-Dioxane	0.213	0.10	mg/Kg wet	0.200		106	40-160			†
Ethylbenzene	0.0192	0.0020	mg/Kg wet	0.0200		95.8	70-130			
Hexachlorobutadiene	0.0252	0.0020	mg/Kg wet	0.0200		126	70-160			
2-Hexanone (MBK)	0.197	0.020	mg/Kg wet	0.200		98.5	70-160			†
Isopropylbenzene (Cumene)	0.0197	0.0020	mg/Kg wet	0.0200		98.6	70-130			
p-Isopropyltoluene (p-Cymene)	0.0215	0.0020	mg/Kg wet	0.0200		107	70-130			
Methyl Acetate	0.0170	0.0020	mg/Kg wet	0.0200		85.0	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0215	0.0040	mg/Kg wet	0.0200		107	70-130			
Methyl Cyclohexane	0.0211	0.0020	mg/Kg wet	0.0200		105	70-130			
Methylene Chloride	0.0187	0.020	mg/Kg wet	0.0200		93.6	40-160			J †
4-Methyl-2-pentanone (MIBK)	0.200	0.020	mg/Kg wet	0.200		99.8	70-160			†
Naphthalene	0.0166	0.0040	mg/Kg wet	0.0200		83.1	40-130			†
n-Propylbenzene	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130			
Styrene	0.0199	0.0020	mg/Kg wet	0.0200		99.4	70-130			
1,1,1,2-Tetrachloroethane	0.0241	0.0020	mg/Kg wet	0.0200		121	70-130			
1,1,2,2-Tetrachloroethane	0.0200	0.0010	mg/Kg wet	0.0200		100	70-130			
Tetrachloroethylene	0.0245	0.0020	mg/Kg wet	0.0200		122	70-130			
Tetrahydrofuran	0.0187	0.010	mg/Kg wet	0.0200		93.4	70-130			
Toluene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
1,2,3-Trichlorobenzene	0.0223	0.0020	mg/Kg wet	0.0200		112	70-130			
1,2,4-Trichlorobenzene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130			
1,3,5-Trichlorobenzene	0.0226	0.0020	mg/Kg wet	0.0200		113	70-130			
1,1,1-Trichloroethane	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130			
1,1,2-Trichloroethane	0.0211	0.0020	mg/Kg wet	0.0200		106	70-130			
Trichloroethylene	0.0228	0.0020	mg/Kg wet	0.0200		114	70-130			
Trichlorofluoromethane (Freon 11)	0.0208	0.010	mg/Kg wet	0.0200		104	70-130			
1,2,3-Trichloropropane	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			

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

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
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Batch B242469 - SW-846 5035

LCS (B242469-BS1)

Prepared & Analyzed: 10/07/19

1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0220	0.010	mg/Kg wet	0.0200		110	70-130			
1,2,4-Trimethylbenzene	0.0211	0.0020	mg/Kg wet	0.0200		106	70-130			
1,3,5-Trimethylbenzene	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130			
Vinyl Chloride	0.0190	0.010	mg/Kg wet	0.0200		95.1	40-130			†
m+p Xylene	0.0406	0.0040	mg/Kg wet	0.0400		101	70-130			
o-Xylene	0.0199	0.0020	mg/Kg wet	0.0200		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0480		mg/Kg wet	0.0500		96.0	70-130			
Surrogate: Toluene-d8	0.0498		mg/Kg wet	0.0500		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.0498		mg/Kg wet	0.0500		99.6	70-130			

LCS Dup (B242469-BS1)

Prepared & Analyzed: 10/07/19

Acetone	0.208	0.10	mg/Kg wet	0.200		104	70-160	4.43	25	V-35	†
Acrylonitrile	0.0190	0.0060	mg/Kg wet	0.0200		95.2	70-130	2.45	25		
tert-Amyl Methyl Ether (TAME)	0.0206	0.0010	mg/Kg wet	0.0200		103	70-130	0.194	25		
Benzene	0.0183	0.0020	mg/Kg wet	0.0200		91.6	70-130	3.22	25		
Bromobenzene	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130	5.42	25		
Bromochloromethane	0.0230	0.0020	mg/Kg wet	0.0200		115	70-130	4.81	25		
Bromodichloromethane	0.0274	0.0020	mg/Kg wet	0.0200		137 *	70-130	7.42	25	L-07	
Bromoform	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130	3.56	25		
Bromomethane	0.0190	0.010	mg/Kg wet	0.0200		95.2	40-130	12.5	25	V-20, V-34	†
2-Butanone (MEK)	0.198	0.040	mg/Kg wet	0.200		99.1	70-160	0.323	25		†
tert-Butyl Alcohol (TBA)	0.187	0.040	mg/Kg wet	0.200		93.6	40-130	2.28	25		†
n-Butylbenzene	0.0182	0.0020	mg/Kg wet	0.0200		90.9	70-130	18.6	25		
sec-Butylbenzene	0.0223	0.0020	mg/Kg wet	0.0200		111	70-130	5.91	25		
tert-Butylbenzene	0.0186	0.0020	mg/Kg wet	0.0200		93.0	70-160	11.4	25		†
tert-Butyl Ethyl Ether (TBEE)	0.0207	0.0010	mg/Kg wet	0.0200		103	70-130	4.86	25		
Carbon Disulfide	0.0208	0.0060	mg/Kg wet	0.0200		104	70-130	3.42	25		
Carbon Tetrachloride	0.0234	0.0020	mg/Kg wet	0.0200		117	70-130	4.11	25		
Chlorobenzene	0.0209	0.0020	mg/Kg wet	0.0200		105	70-130	4.40	25		
Chlorodibromomethane	0.0250	0.0010	mg/Kg wet	0.0200		125	70-130	6.36	25		
Chloroethane	0.0213	0.020	mg/Kg wet	0.0200		106	70-130	1.90	25		
Chloroform	0.0205	0.0040	mg/Kg wet	0.0200		103	70-130	0.881	25		
Chloromethane	0.0170	0.010	mg/Kg wet	0.0200		84.8	70-130	3.36	25		
2-Chlorotoluene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130	1.44	25		
4-Chlorotoluene	0.0225	0.0020	mg/Kg wet	0.0200		112	70-130	3.99	25		
1,2-Dibromo-3-chloropropane (DBCP)	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130	6.28	25		
1,2-Dibromoethane (EDB)	0.0252	0.0010	mg/Kg wet	0.0200		126	70-130	18.5	25		
Dibromomethane	0.0242	0.0020	mg/Kg wet	0.0200		121	70-130	7.56	25		
1,2-Dichlorobenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.4	70-130	14.6	25		
1,3-Dichlorobenzene	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130	2.79	25		
1,4-Dichlorobenzene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130	0.398	25		
trans-1,4-Dichloro-2-butene	0.0184	0.0040	mg/Kg wet	0.0200		91.8	70-130	0.218	25		
Dichlorodifluoromethane (Freon 12)	0.0176	0.020	mg/Kg wet	0.0200		87.9	40-160	6.07	25	J	†
1,1-Dichloroethane	0.0221	0.0020	mg/Kg wet	0.0200		111	70-130	4.06	25		
1,2-Dichloroethane	0.0258	0.0020	mg/Kg wet	0.0200		129	70-130	12.2	25		
1,1-Dichloroethylene	0.0217	0.0040	mg/Kg wet	0.0200		109	70-130	0.554	25		
cis-1,2-Dichloroethylene	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130	2.11	25		
trans-1,2-Dichloroethylene	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130	0.193	25		
1,2-Dichloropropane	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130	5.61	25		
1,3-Dichloropropane	0.0227	0.0010	mg/Kg wet	0.0200		113	70-130	14.1	25		
2,2-Dichloropropane	0.0213	0.0020	mg/Kg wet	0.0200		107	70-130	1.13	25		
1,1-Dichloropropene	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130	9.53	25		

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

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 B242469 - SW-846 5035										
LCS Dup (B242469-BSD1)										
Prepared & Analyzed: 10/07/19										
cis-1,3-Dichloropropene	0.0237	0.0010	mg/Kg wet	0.0200		118	70-130	5.37	25	
trans-1,3-Dichloropropene	0.0221	0.0010	mg/Kg wet	0.0200		110	70-130	2.42	25	
Diethyl Ether	0.0216	0.020	mg/Kg wet	0.0200		108	70-130	12.3	25	
Diisopropyl Ether (DIPE)	0.0198	0.0010	mg/Kg wet	0.0200		99.1	70-130	0.604	25	
1,4-Dioxane	0.246	0.10	mg/Kg wet	0.200		123	40-160	14.6	50	† ‡
Ethylbenzene	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130	10.5	25	
Hexachlorobutadiene	0.0222	0.0020	mg/Kg wet	0.0200		111	70-160	12.6	25	
2-Hexanone (MBK)	0.211	0.020	mg/Kg wet	0.200		106	70-160	6.87	25	†
Isopropylbenzene (Cumene)	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130	8.08	25	
p-Isopropyltoluene (p-Cymene)	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130	0.935	25	
Methyl Acetate	0.0183	0.0020	mg/Kg wet	0.0200		91.6	70-130	7.47	25	
Methyl tert-Butyl Ether (MTBE)	0.0220	0.0040	mg/Kg wet	0.0200		110	70-130	2.49	25	
Methyl Cyclohexane	0.0228	0.0020	mg/Kg wet	0.0200		114	70-130	8.11	25	
Methylene Chloride	0.0192	0.020	mg/Kg wet	0.0200		95.8	40-160	2.32	25	J †
4-Methyl-2-pentanone (MIBK)	0.203	0.020	mg/Kg wet	0.200		101	70-160	1.47	25	†
Naphthalene	0.0151	0.0040	mg/Kg wet	0.0200		75.7	40-130	9.32	25	†
n-Propylbenzene	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130	2.14	25	
Styrene	0.0217	0.0020	mg/Kg wet	0.0200		108	70-130	8.57	25	
1,1,1,2-Tetrachloroethane	0.0241	0.0020	mg/Kg wet	0.0200		120	70-130	0.166	25	
1,1,2,2-Tetrachloroethane	0.0212	0.0010	mg/Kg wet	0.0200		106	70-130	5.73	25	
Tetrachloroethylene	0.0271	0.0020	mg/Kg wet	0.0200		135	* 70-130	10.1	25	L-07
Tetrahydrofuran	0.0199	0.010	mg/Kg wet	0.0200		99.3	70-130	6.12	25	
Toluene	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130	3.62	25	
1,2,3-Trichlorobenzene	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130	7.52	25	
1,2,4-Trichlorobenzene	0.0193	0.0020	mg/Kg wet	0.0200		96.7	70-130	4.65	25	
1,3,5-Trichlorobenzene	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130	8.21	25	
1,1,1-Trichloroethane	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130	3.76	25	
1,1,2-Trichloroethane	0.0226	0.0020	mg/Kg wet	0.0200		113	70-130	6.95	25	
Trichloroethylene	0.0237	0.0020	mg/Kg wet	0.0200		119	70-130	3.95	25	
Trichlorofluoromethane (Freon 11)	0.0213	0.010	mg/Kg wet	0.0200		106	70-130	2.28	25	
1,2,3-Trichloropropane	0.0233	0.0020	mg/Kg wet	0.0200		117	70-130	8.11	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0230	0.010	mg/Kg wet	0.0200		115	70-130	4.63	25	
1,2,4-Trimethylbenzene	0.0184	0.0020	mg/Kg wet	0.0200		92.2	70-130	13.6	25	
1,3,5-Trimethylbenzene	0.0217	0.0020	mg/Kg wet	0.0200		108	70-130	6.97	25	
Vinyl Chloride	0.0183	0.010	mg/Kg wet	0.0200		91.5	40-130	3.86	25	†
m+p Xylene	0.0425	0.0040	mg/Kg wet	0.0400		106	70-130	4.62	25	
o-Xylene	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130	3.84	25	
Surrogate: 1,2-Dichloroethane-d4	0.0487		mg/Kg wet	0.0500		97.3	70-130			
Surrogate: Toluene-d8	0.0493		mg/Kg wet	0.0500		98.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.0504		mg/Kg wet	0.0500		101	70-130			

Batch B242520 - SW-846 5035

Blank (B242520-BLK1)

Prepared & Analyzed: 10/08/19

Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromochloromethane	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							

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

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
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Batch B242520 - SW-846 5035

Blank (B242520-BLK1)

Prepared & Analyzed: 10/08/19

Bromomethane	ND	0.010	mg/Kg wet							V-34
2-Butanone (MEK)	ND	0.040	mg/Kg wet							
tert-Butyl Alcohol (TBA)	ND	0.040	mg/Kg wet							
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
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	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Diethyl Ether	ND	0.020	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet							
1,4-Dioxane	ND	0.10	mg/Kg wet							
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 Acetate	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methyl Cyclohexane	ND	0.0020	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							

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

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
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Batch B242520 - SW-846 5035

Blank (B242520-BLK1)

Prepared & Analyzed: 10/08/19

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							
1,3,5-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							R-05
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	0.0469		mg/Kg wet	0.0500		93.9	70-130			
Surrogate: Toluene-d8	0.0576		mg/Kg wet	0.0500		115	70-130			
Surrogate: 4-Bromofluorobenzene	0.0512		mg/Kg wet	0.0500		102	70-130			

LCS (B242520-BS1)

Prepared & Analyzed: 10/08/19

Acetone	0.176	0.10	mg/Kg wet	0.200		88.0	70-160			V-35 †
Acrylonitrile	0.0205	0.0060	mg/Kg wet	0.0200		102	70-130			
tert-Amyl Methyl Ether (TAME)	0.0202	0.0010	mg/Kg wet	0.0200		101	70-130			
Benzene	0.0175	0.0020	mg/Kg wet	0.0200		87.6	70-130			
Bromobenzene	0.0245	0.0020	mg/Kg wet	0.0200		123	70-130			
Bromochloromethane	0.0226	0.0020	mg/Kg wet	0.0200		113	70-130			
Bromodichloromethane	0.0245	0.0020	mg/Kg wet	0.0200		122	70-130			
Bromoform	0.0249	0.0020	mg/Kg wet	0.0200		124	70-130			
Bromomethane	0.0177	0.010	mg/Kg wet	0.0200		88.4	40-130			V-34 †
2-Butanone (MEK)	0.198	0.040	mg/Kg wet	0.200		99.1	70-160			†
tert-Butyl Alcohol (TBA)	0.196	0.040	mg/Kg wet	0.200		98.0	40-130			†
n-Butylbenzene	0.0187	0.0020	mg/Kg wet	0.0200		93.3	70-130			
sec-Butylbenzene	0.0211	0.0020	mg/Kg wet	0.0200		106	70-130			
tert-Butylbenzene	0.0224	0.0020	mg/Kg wet	0.0200		112	70-160			†
tert-Butyl Ethyl Ether (TBEE)	0.0198	0.0010	mg/Kg wet	0.0200		98.8	70-130			
Carbon Disulfide	0.0178	0.0060	mg/Kg wet	0.0200		88.8	70-130			
Carbon Tetrachloride	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130			
Chlorobenzene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
Chlorodibromomethane	0.0209	0.0010	mg/Kg wet	0.0200		104	70-130			
Chloroethane	0.0193	0.020	mg/Kg wet	0.0200		96.7	70-130			J
Chloroform	0.0210	0.0040	mg/Kg wet	0.0200		105	70-130			
Chloromethane	0.0172	0.010	mg/Kg wet	0.0200		85.9	70-130			
2-Chlorotoluene	0.0238	0.0020	mg/Kg wet	0.0200		119	70-130			
4-Chlorotoluene	0.0234	0.0020	mg/Kg wet	0.0200		117	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
1,2-Dibromoethane (EDB)	0.0197	0.0010	mg/Kg wet	0.0200		98.4	70-130			V-20
Dibromomethane	0.0217	0.0020	mg/Kg wet	0.0200		109	70-130			
1,2-Dichlorobenzene	0.0200	0.0020	mg/Kg wet	0.0200		99.8	70-130			
1,3-Dichlorobenzene	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130			

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B242520 - SW-846 5035										
LCS (B242520-BS1)										
Prepared & Analyzed: 10/08/19										
1,4-Dichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.6	70-130			
trans-1,4-Dichloro-2-butene	0.0219	0.0040	mg/Kg wet	0.0200		110	70-130			
Dichlorodifluoromethane (Freon 12)	0.0172	0.020	mg/Kg wet	0.0200		86.0	40-160			J †
1,1-Dichloroethane	0.0217	0.0020	mg/Kg wet	0.0200		108	70-130			
1,2-Dichloroethane	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130			
1,1-Dichloroethylene	0.0177	0.0040	mg/Kg wet	0.0200		88.5	70-130			
cis-1,2-Dichloroethylene	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130			
trans-1,2-Dichloroethylene	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130			
1,2-Dichloropropane	0.0196	0.0020	mg/Kg wet	0.0200		97.8	70-130			
1,3-Dichloropropane	0.0187	0.0010	mg/Kg wet	0.0200		93.5	70-130			
2,2-Dichloropropane	0.0207	0.0020	mg/Kg wet	0.0200		103	70-130			
1,1-Dichloropropene	0.0194	0.0020	mg/Kg wet	0.0200		96.9	70-130			
cis-1,3-Dichloropropene	0.0217	0.0010	mg/Kg wet	0.0200		108	70-130			V-20
trans-1,3-Dichloropropene	0.0216	0.0010	mg/Kg wet	0.0200		108	70-130			
Diethyl Ether	0.0189	0.020	mg/Kg wet	0.0200		94.6	70-130			J
Diisopropyl Ether (DIPE)	0.0194	0.0010	mg/Kg wet	0.0200		97.2	70-130			
1,4-Dioxane	0.202	0.10	mg/Kg wet	0.200		101	40-160			†
Ethylbenzene	0.0226	0.0020	mg/Kg wet	0.0200		113	70-130			
Hexachlorobutadiene	0.0244	0.0020	mg/Kg wet	0.0200		122	70-160			
2-Hexanone (MBK)	0.171	0.020	mg/Kg wet	0.200		85.4	70-160			†
Isopropylbenzene (Cumene)	0.0235	0.0020	mg/Kg wet	0.0200		118	70-130			
p-Isopropyltoluene (p-Cymene)	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130			
Methyl Acetate	0.0167	0.0020	mg/Kg wet	0.0200		83.7	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0219	0.0040	mg/Kg wet	0.0200		109	70-130			
Methyl Cyclohexane	0.0173	0.0020	mg/Kg wet	0.0200		86.5	70-130			
Methylene Chloride	0.0169	0.020	mg/Kg wet	0.0200		84.7	40-160			J †
4-Methyl-2-pentanone (MIBK)	0.199	0.020	mg/Kg wet	0.200		99.5	70-160			†
Naphthalene	0.0156	0.0040	mg/Kg wet	0.0200		78.1	40-130			†
n-Propylbenzene	0.0236	0.0020	mg/Kg wet	0.0200		118	70-130			
Styrene	0.0235	0.0020	mg/Kg wet	0.0200		118	70-130			
1,1,1,2-Tetrachloroethane	0.0262	0.0020	mg/Kg wet	0.0200		131 *	70-130			L-07
1,1,2,2-Tetrachloroethane	0.0221	0.0010	mg/Kg wet	0.0200		110	70-130			
Tetrachloroethylene	0.0246	0.0020	mg/Kg wet	0.0200		123	70-130			
Tetrahydrofuran	0.0183	0.010	mg/Kg wet	0.0200		91.5	70-130			
Toluene	0.0186	0.0020	mg/Kg wet	0.0200		92.9	70-130			
1,2,3-Trichlorobenzene	0.0200	0.0020	mg/Kg wet	0.0200		100	70-130			
1,2,4-Trichlorobenzene	0.0194	0.0020	mg/Kg wet	0.0200		97.2	70-130			
1,3,5-Trichlorobenzene	0.0205	0.0020	mg/Kg wet	0.0200		103	70-130			
1,1,1-Trichloroethane	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
1,1,2-Trichloroethane	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130			
Trichloroethylene	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130			
Trichlorofluoromethane (Freon 11)	0.0197	0.010	mg/Kg wet	0.0200		98.3	70-130			
1,2,3-Trichloropropane	0.0237	0.0020	mg/Kg wet	0.0200		119	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0173	0.010	mg/Kg wet	0.0200		86.6	70-130			
1,2,4-Trimethylbenzene	0.0213	0.0020	mg/Kg wet	0.0200		107	70-130			
1,3,5-Trimethylbenzene	0.0237	0.0020	mg/Kg wet	0.0200		118	70-130			R-05
Vinyl Chloride	0.0196	0.010	mg/Kg wet	0.0200		98.0	40-130			†
m+p Xylene	0.0481	0.0040	mg/Kg wet	0.0400		120	70-130			
o-Xylene	0.0230	0.0020	mg/Kg wet	0.0200		115	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0473		mg/Kg wet	0.0500		94.7	70-130			
Surrogate: Toluene-d8	0.0478		mg/Kg wet	0.0500		95.7	70-130			

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B242520 - SW-846 5035

LCS (B242520-BS1)

Prepared & Analyzed: 10/08/19

Surrogate: 4-Bromofluorobenzene	0.0580		mg/Kg wet	0.0500		116	70-130			
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LCS Dup (B242520-BSD1)

Prepared & Analyzed: 10/08/19

Acetone	0.190	0.10	mg/Kg wet	0.200		94.8	70-160	7.46	25	V-35 †
Acrylonitrile	0.0193	0.0060	mg/Kg wet	0.0200		96.6	70-130	5.83	25	
tert-Amyl Methyl Ether (TAME)	0.0192	0.0010	mg/Kg wet	0.0200		95.9	70-130	4.98	25	
Benzene	0.0159	0.0020	mg/Kg wet	0.0200		79.6	70-130	9.57	25	
Bromobenzene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130	18.3	25	
Bromochloromethane	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130	2.87	25	
Bromodichloromethane	0.0240	0.0020	mg/Kg wet	0.0200		120	70-130	2.15	25	
Bromoform	0.0213	0.0020	mg/Kg wet	0.0200		107	70-130	15.2	25	
Bromomethane	0.0169	0.010	mg/Kg wet	0.0200		84.6	40-130	4.39	25	V-34 †
2-Butanone (MEK)	0.183	0.040	mg/Kg wet	0.200		91.3	70-160	8.13	25	†
tert-Butyl Alcohol (TBA)	0.189	0.040	mg/Kg wet	0.200		94.3	40-130	3.86	25	†
n-Butylbenzene	0.0159	0.0020	mg/Kg wet	0.0200		79.4	70-130	16.1	25	
sec-Butylbenzene	0.0194	0.0020	mg/Kg wet	0.0200		97.2	70-130	8.28	25	
tert-Butylbenzene	0.0178	0.0020	mg/Kg wet	0.0200		88.9	70-160	23.2	25	†
tert-Butyl Ethyl Ether (TBEE)	0.0196	0.0010	mg/Kg wet	0.0200		98.0	70-130	0.813	25	
Carbon Disulfide	0.0181	0.0060	mg/Kg wet	0.0200		90.5	70-130	1.90	25	
Carbon Tetrachloride	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130	4.16	25	
Chlorobenzene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130	4.35	25	
Chlorodibromomethane	0.0244	0.0010	mg/Kg wet	0.0200		122	70-130	15.7	25	
Chloroethane	0.0192	0.020	mg/Kg wet	0.0200		95.9	70-130	0.831	25	J
Chloroform	0.0199	0.0040	mg/Kg wet	0.0200		99.5	70-130	5.28	25	
Chloromethane	0.0167	0.010	mg/Kg wet	0.0200		83.3	70-130	3.07	25	
2-Chlorotoluene	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130	7.69	25	
4-Chlorotoluene	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130	21.8	25	
1,2-Dibromo-3-chloropropane (DBCP)	0.0164	0.0020	mg/Kg wet	0.0200		82.0	70-130	22.5	25	
1,2-Dibromoethane (EDB)	0.0236	0.0010	mg/Kg wet	0.0200		118	70-130	17.9	25	V-20
Dibromomethane	0.0198	0.0020	mg/Kg wet	0.0200		99.0	70-130	9.25	25	
1,2-Dichlorobenzene	0.0167	0.0020	mg/Kg wet	0.0200		83.3	70-130	18.0	25	
1,3-Dichlorobenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.5	70-130	1.50	25	
1,4-Dichlorobenzene	0.0178	0.0020	mg/Kg wet	0.0200		89.1	70-130	5.99	25	
trans-1,4-Dichloro-2-butene	0.0186	0.0040	mg/Kg wet	0.0200		92.8	70-130	16.6	25	
Dichlorodifluoromethane (Freon 12)	0.0160	0.020	mg/Kg wet	0.0200		79.9	40-160	7.35	25	J †
1,1-Dichloroethane	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130	2.24	25	
1,2-Dichloroethane	0.0219	0.0020	mg/Kg wet	0.0200		109	70-130	0.547	25	
1,1-Dichloroethylene	0.0199	0.0040	mg/Kg wet	0.0200		99.5	70-130	11.7	25	
cis-1,2-Dichloroethylene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	4.10	25	
trans-1,2-Dichloroethylene	0.0209	0.0020	mg/Kg wet	0.0200		104	70-130	3.80	25	
1,2-Dichloropropane	0.0190	0.0020	mg/Kg wet	0.0200		94.8	70-130	3.12	25	
1,3-Dichloropropane	0.0226	0.0010	mg/Kg wet	0.0200		113	70-130	18.8	25	
2,2-Dichloropropane	0.0196	0.0020	mg/Kg wet	0.0200		97.9	70-130	5.46	25	
1,1-Dichloropropene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130	8.78	25	
cis-1,3-Dichloropropene	0.0251	0.0010	mg/Kg wet	0.0200		126	70-130	14.5	25	V-20
trans-1,3-Dichloropropene	0.0206	0.0010	mg/Kg wet	0.0200		103	70-130	4.93	25	
Diethyl Ether	0.0160	0.020	mg/Kg wet	0.0200		79.9	70-130	16.8	25	J
Diisopropyl Ether (DIPE)	0.0196	0.0010	mg/Kg wet	0.0200		98.0	70-130	0.820	25	
1,4-Dioxane	0.181	0.10	mg/Kg wet	0.200		90.4	40-160	10.8	50	† ‡
Ethylbenzene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130	10.1	25	
Hexachlorobutadiene	0.0196	0.0020	mg/Kg wet	0.0200		97.9	70-160	21.8	25	
2-Hexanone (MBK)	0.206	0.020	mg/Kg wet	0.200		103	70-160	18.8	25	†

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

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 B242520 - SW-846 5035										
LCS Dup (B242520-BSD1)										
Prepared & Analyzed: 10/08/19										
Isopropylbenzene (Cumene)	0.0196	0.0020	mg/Kg wet	0.0200		97.8	70-130	18.3	25	
p-Isopropyltoluene (p-Cymene)	0.0198	0.0020	mg/Kg wet	0.0200		98.8	70-130	3.48	25	
Methyl Acetate	0.0173	0.0020	mg/Kg wet	0.0200		86.5	70-130	3.29	25	
Methyl tert-Butyl Ether (MTBE)	0.0222	0.0040	mg/Kg wet	0.0200		111	70-130	1.63	25	
Methyl Cyclohexane	0.0186	0.0020	mg/Kg wet	0.0200		93.0	70-130	7.24	25	
Methylene Chloride	0.0192	0.020	mg/Kg wet	0.0200		96.0	40-160	12.5	25	J †
4-Methyl-2-pentanone (MIBK)	0.206	0.020	mg/Kg wet	0.200		103	70-160	3.43	25	†
Naphthalene	0.0131	0.0040	mg/Kg wet	0.0200		65.3	40-130	17.9	25	†
n-Propylbenzene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130	14.4	25	
Styrene	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130	14.6	25	
1,1,1,2-Tetrachloroethane	0.0231	0.0020	mg/Kg wet	0.0200		116	70-130	12.6	25	
1,1,2,2-Tetrachloroethane	0.0220	0.0010	mg/Kg wet	0.0200		110	70-130	0.363	25	
Tetrachloroethylene	0.0255	0.0020	mg/Kg wet	0.0200		127	70-130	3.44	25	
Tetrahydrofuran	0.0180	0.010	mg/Kg wet	0.0200		90.1	70-130	1.54	25	
Toluene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130	7.76	25	
1,2,3-Trichlorobenzene	0.0163	0.0020	mg/Kg wet	0.0200		81.7	70-130	20.1	25	
1,2,4-Trichlorobenzene	0.0168	0.0020	mg/Kg wet	0.0200		83.9	70-130	14.7	25	
1,3,5-Trichlorobenzene	0.0171	0.0020	mg/Kg wet	0.0200		85.7	70-130	18.0	25	
1,1,1-Trichloroethane	0.0195	0.0020	mg/Kg wet	0.0200		97.6	70-130	9.65	25	
1,1,2-Trichloroethane	0.0236	0.0020	mg/Kg wet	0.0200		118	70-130	8.01	25	
Trichloroethylene	0.0226	0.0020	mg/Kg wet	0.0200		113	70-130	4.52	25	
Trichlorofluoromethane (Freon 11)	0.0196	0.010	mg/Kg wet	0.0200		97.8	70-130	0.510	25	
1,2,3-Trichloropropane	0.0205	0.0020	mg/Kg wet	0.0200		103	70-130	14.5	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0221	0.010	mg/Kg wet	0.0200		111	70-130	24.3	25	
1,2,4-Trimethylbenzene	0.0187	0.0020	mg/Kg wet	0.0200		93.5	70-130	13.2	25	
1,3,5-Trimethylbenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.4	70-130	25.7 *	25	R-05
Vinyl Chloride	0.0186	0.010	mg/Kg wet	0.0200		93.1	40-130	5.13	25	†
m+p Xylene	0.0400	0.0040	mg/Kg wet	0.0400		100	70-130	18.3	25	
o-Xylene	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130	10.1	25	
Surrogate: 1,2-Dichloroethane-d4	0.0430		mg/Kg wet	0.0500		86.0	70-130			
Surrogate: Toluene-d8	0.0539		mg/Kg wet	0.0500		108	70-130			
Surrogate: 4-Bromofluorobenzene	0.0523		mg/Kg wet	0.0500		105	70-130			

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

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
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Batch B242511 - SW-846 3546

Blank (B242511-BLK1)

Prepared: 10/08/19 Analyzed: 10/09/19

Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Acetophenone	ND	0.34	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzidine	ND	0.66	mg/Kg wet							V-05, V-35
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							
Benzoic Acid	ND	1.0	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							
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
1,2-Diphenylhydrazine/Azobenzene	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
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							
1-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							

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

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
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Batch B242511 - SW-846 3546

Blank (B242511-BLK1)

Prepared: 10/08/19 Analyzed: 10/09/19

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							
4-Nitrophenol	ND	0.66	mg/Kg wet							V-20
N-Nitrosodimethylamine	ND	0.34	mg/Kg wet							
N-Nitrosodiphenylamine/Diphenylamine	ND	0.34	mg/Kg wet							
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet							
Pentachloronitrobenzene	ND	0.34	mg/Kg wet							
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Phenol	ND	0.34	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Pyridine	ND	0.34	mg/Kg wet							V-05
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	5.43		mg/Kg wet	6.67		81.4	30-130			
Surrogate: Phenol-d6	5.43		mg/Kg wet	6.67		81.5	30-130			
Surrogate: Nitrobenzene-d5	2.79		mg/Kg wet	3.33		83.8	30-130			
Surrogate: 2-Fluorobiphenyl	2.82		mg/Kg wet	3.33		84.6	30-130			
Surrogate: 2,4,6-Tribromophenol	7.24		mg/Kg wet	6.67		109	30-130			
Surrogate: p-Terphenyl-d14	3.68		mg/Kg wet	3.33		110	30-130			

LCS (B242511-BS1)

Prepared: 10/08/19 Analyzed: 10/09/19

Acenaphthene	1.15	0.17	mg/Kg wet	1.67		68.8	40-140			
Acenaphthylene	1.21	0.17	mg/Kg wet	1.67		72.7	40-140			
Acetophenone	1.19	0.34	mg/Kg wet	1.67		71.3	40-140			
Aniline	0.945	0.34	mg/Kg wet	1.67		56.7	10-140			†
Anthracene	1.27	0.17	mg/Kg wet	1.67		76.2	40-140			
Benzidine	2.02	0.66	mg/Kg wet	1.67		121	40-140			V-05, V-35
Benzo(a)anthracene	1.33	0.17	mg/Kg wet	1.67		79.9	40-140			
Benzo(a)pyrene	1.32	0.17	mg/Kg wet	1.67		79.5	40-140			
Benzo(b)fluoranthene	1.35	0.17	mg/Kg wet	1.67		80.9	40-140			
Benzo(g,h,i)perylene	1.36	0.17	mg/Kg wet	1.67		81.7	40-140			
Benzo(k)fluoranthene	1.34	0.17	mg/Kg wet	1.67		80.4	40-140			
Benzoic Acid	1.16	1.0	mg/Kg wet	1.67		69.9	30-130			
Bis(2-chloroethoxy)methane	1.18	0.34	mg/Kg wet	1.67		70.8	40-140			
Bis(2-chloroethyl)ether	1.06	0.34	mg/Kg wet	1.67		63.8	40-140			
Bis(2-chloroisopropyl)ether	1.17	0.34	mg/Kg wet	1.67		70.5	40-140			
Bis(2-Ethylhexyl)phthalate	1.27	0.34	mg/Kg wet	1.67		76.5	40-140			
4-Bromophenylphenylether	1.30	0.34	mg/Kg wet	1.67		77.7	40-140			
Butylbenzylphthalate	1.30	0.34	mg/Kg wet	1.67		78.0	40-140			
Carbazole	1.20	0.17	mg/Kg wet	1.67		72.1	40-140			
4-Chloroaniline	0.947	0.66	mg/Kg wet	1.67		56.8	10-140			†
4-Chloro-3-methylphenol	1.31	0.66	mg/Kg wet	1.67		78.4	30-130			
2-Chloronaphthalene	1.15	0.34	mg/Kg wet	1.67		68.9	40-140			

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

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 B242511 - SW-846 3546										
LCS (B242511-BS1)										
					Prepared: 10/08/19 Analyzed: 10/09/19					
2-Chlorophenol	1.15	0.34	mg/Kg wet	1.67		68.9	30-130			
4-Chlorophenylphenylether	1.38	0.34	mg/Kg wet	1.67		82.7	40-140			
Chrysene	1.31	0.17	mg/Kg wet	1.67		78.7	40-140			
Dibenz(a,h)anthracene	1.37	0.17	mg/Kg wet	1.67		81.9	40-140			
Dibenzofuran	1.30	0.34	mg/Kg wet	1.67		78.0	40-140			
Di-n-butylphthalate	1.25	0.34	mg/Kg wet	1.67		74.7	40-140			
1,2-Dichlorobenzene	1.12	0.34	mg/Kg wet	1.67		67.4	40-140			
1,3-Dichlorobenzene	1.08	0.34	mg/Kg wet	1.67		64.8	40-140			
1,4-Dichlorobenzene	1.11	0.34	mg/Kg wet	1.67		66.4	40-140			
3,3-Dichlorobenzidine	1.04	0.17	mg/Kg wet	1.67		62.5	20-140			†
2,4-Dichlorophenol	1.28	0.34	mg/Kg wet	1.67		77.0	30-130			
Diethylphthalate	1.31	0.34	mg/Kg wet	1.67		78.5	40-140			
2,4-Dimethylphenol	1.23	0.34	mg/Kg wet	1.67		73.6	30-130			
Dimethylphthalate	1.30	0.34	mg/Kg wet	1.67		77.8	40-140			
4,6-Dinitro-2-methylphenol	1.05	0.34	mg/Kg wet	1.67		63.3	30-130			
2,4-Dinitrophenol	0.827	0.66	mg/Kg wet	1.67		49.6	30-130			
2,4-Dinitrotoluene	1.35	0.34	mg/Kg wet	1.67		81.1	40-140			
2,6-Dinitrotoluene	1.39	0.34	mg/Kg wet	1.67		83.1	40-140			
Di-n-octylphthalate	1.29	0.34	mg/Kg wet	1.67		77.2	40-140			
1,2-Diphenylhydrazine/Azobenzene	1.16	0.34	mg/Kg wet	1.67		69.4	40-140			
Fluoranthene	1.29	0.17	mg/Kg wet	1.67		77.7	40-140			
Fluorene	1.30	0.17	mg/Kg wet	1.67		78.1	40-140			
Hexachlorobenzene	1.35	0.34	mg/Kg wet	1.67		80.8	40-140			
Hexachlorobutadiene	1.34	0.34	mg/Kg wet	1.67		80.6	40-140			
Hexachlorocyclopentadiene	0.913	0.34	mg/Kg wet	1.67		54.8	40-140			
Hexachloroethane	1.13	0.34	mg/Kg wet	1.67		68.0	40-140			
Indeno(1,2,3-cd)pyrene	1.44	0.17	mg/Kg wet	1.67		86.7	40-140			
Isophorone	1.27	0.34	mg/Kg wet	1.67		76.4	40-140			
1-Methylnaphthalene	1.15	0.17	mg/Kg wet	1.67		69.0	40-140			
2-Methylnaphthalene	1.38	0.17	mg/Kg wet	1.67		82.7	40-140			
2-Methylphenol	1.14	0.34	mg/Kg wet	1.67		68.4	30-130			
3/4-Methylphenol	1.19	0.34	mg/Kg wet	1.67		71.5	30-130			
Naphthalene	1.20	0.17	mg/Kg wet	1.67		71.8	40-140			
2-Nitroaniline	1.22	0.34	mg/Kg wet	1.67		73.3	40-140			
3-Nitroaniline	1.07	0.34	mg/Kg wet	1.67		64.5	30-140			†
4-Nitroaniline	1.24	0.34	mg/Kg wet	1.67		74.2	40-140			
Nitrobenzene	1.18	0.34	mg/Kg wet	1.67		70.7	40-140			
2-Nitrophenol	1.23	0.34	mg/Kg wet	1.67		74.1	30-130			
4-Nitrophenol	1.56	0.66	mg/Kg wet	1.67		93.7	30-130			V-06
N-Nitrosodimethylamine	1.02	0.34	mg/Kg wet	1.67		61.5	40-140			
N-Nitrosodiphenylamine/Diphenylamine	1.32	0.34	mg/Kg wet	1.67		79.3	40-140			
N-Nitrosodi-n-propylamine	1.20	0.34	mg/Kg wet	1.67		72.3	40-140			
Pentachloronitrobenzene	1.39	0.34	mg/Kg wet	1.67		83.5	40-140			
Pentachlorophenol	1.14	0.34	mg/Kg wet	1.67		68.3	30-130			
Phenanthrene	1.25	0.17	mg/Kg wet	1.67		75.1	40-140			
Phenol	1.12	0.34	mg/Kg wet	1.67		67.0	30-130			
Pyrene	1.35	0.17	mg/Kg wet	1.67		80.8	40-140			
Pyridine	0.558	0.34	mg/Kg wet	1.67		33.5	30-140			V-05 †
1,2,4,5-Tetrachlorobenzene	1.27	0.34	mg/Kg wet	1.67		76.5	40-140			
1,2,4-Trichlorobenzene	1.27	0.34	mg/Kg wet	1.67		76.0	40-140			
2,4,5-Trichlorophenol	1.34	0.34	mg/Kg wet	1.67		80.3	30-130			
2,4,6-Trichlorophenol	1.32	0.34	mg/Kg wet	1.67		79.1	30-130			

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

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
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Batch B242511 - SW-846 3546

LCS (B242511-BS1)

Prepared: 10/08/19 Analyzed: 10/09/19

Surrogate: 2-Fluorophenol	4.75		mg/Kg wet	6.67		71.3	30-130			
Surrogate: Phenol-d6	4.90		mg/Kg wet	6.67		73.6	30-130			
Surrogate: Nitrobenzene-d5	2.49		mg/Kg wet	3.33		74.6	30-130			
Surrogate: 2-Fluorobiphenyl	2.60		mg/Kg wet	3.33		78.0	30-130			
Surrogate: 2,4,6-Tribromophenol	6.60		mg/Kg wet	6.67		99.0	30-130			
Surrogate: p-Terphenyl-d14	3.11		mg/Kg wet	3.33		93.4	30-130			

LCS Dup (B242511-BSD1)

Prepared: 10/08/19 Analyzed: 10/09/19

Acenaphthene	1.19	0.17	mg/Kg wet	1.67		71.6	40-140	4.07	30	
Acenaphthylene	1.25	0.17	mg/Kg wet	1.67		74.7	40-140	2.74	30	
Acetophenone	1.23	0.34	mg/Kg wet	1.67		74.0	40-140	3.80	30	
Aniline	1.03	0.34	mg/Kg wet	1.67		61.8	10-140	8.60	50	† ‡
Anthracene	1.29	0.17	mg/Kg wet	1.67		77.4	40-140	1.51	30	
Benzidine	2.02	0.66	mg/Kg wet	1.67		121	40-140	0.380	30	V-05, V-35
Benzo(a)anthracene	1.38	0.17	mg/Kg wet	1.67		82.6	40-140	3.32	30	
Benzo(a)pyrene	1.33	0.17	mg/Kg wet	1.67		79.7	40-140	0.251	30	
Benzo(b)fluoranthene	1.36	0.17	mg/Kg wet	1.67		81.6	40-140	0.935	30	
Benzo(g,h,i)perylene	1.43	0.17	mg/Kg wet	1.67		85.6	40-140	4.64	30	
Benzo(k)fluoranthene	1.34	0.17	mg/Kg wet	1.67		80.6	40-140	0.298	30	
Benzoic Acid	1.21	1.0	mg/Kg wet	1.67		72.4	30-130	3.57	50	‡
Bis(2-chloroethoxy)methane	1.18	0.34	mg/Kg wet	1.67		70.9	40-140	0.0282	30	
Bis(2-chloroethyl)ether	1.10	0.34	mg/Kg wet	1.67		66.0	40-140	3.42	30	
Bis(2-chloroisopropyl)ether	1.22	0.34	mg/Kg wet	1.67		73.1	40-140	3.62	30	
Bis(2-Ethylhexyl)phthalate	1.34	0.34	mg/Kg wet	1.67		80.3	40-140	4.92	30	
4-Bromophenylphenylether	1.32	0.34	mg/Kg wet	1.67		79.1	40-140	1.84	30	
Butylbenzylphthalate	1.33	0.34	mg/Kg wet	1.67		79.7	40-140	2.23	30	
Carbazole	1.23	0.17	mg/Kg wet	1.67		73.8	40-140	2.30	30	
4-Chloroaniline	0.988	0.66	mg/Kg wet	1.67		59.3	10-140	4.24	30	†
4-Chloro-3-methylphenol	1.32	0.66	mg/Kg wet	1.67		79.5	30-130	1.39	30	
2-Chloronaphthalene	1.20	0.34	mg/Kg wet	1.67		72.3	40-140	4.79	30	
2-Chlorophenol	1.18	0.34	mg/Kg wet	1.67		70.9	30-130	2.77	30	
4-Chlorophenylphenylether	1.41	0.34	mg/Kg wet	1.67		84.7	40-140	2.29	30	
Chrysene	1.35	0.17	mg/Kg wet	1.67		80.7	40-140	2.51	30	
Dibenz(a,h)anthracene	1.41	0.17	mg/Kg wet	1.67		84.8	40-140	3.48	30	
Dibenzofuran	1.33	0.34	mg/Kg wet	1.67		79.7	40-140	2.18	30	
Di-n-butylphthalate	1.29	0.34	mg/Kg wet	1.67		77.4	40-140	3.47	30	
1,2-Dichlorobenzene	1.20	0.34	mg/Kg wet	1.67		71.7	40-140	6.24	30	
1,3-Dichlorobenzene	1.14	0.34	mg/Kg wet	1.67		68.3	40-140	5.29	30	
1,4-Dichlorobenzene	1.17	0.34	mg/Kg wet	1.67		70.4	40-140	5.79	30	
3,3-Dichlorobenzidine	1.13	0.17	mg/Kg wet	1.67		67.8	20-140	8.20	50	† ‡
2,4-Dichlorophenol	1.30	0.34	mg/Kg wet	1.67		78.2	30-130	1.60	30	
Diethylphthalate	1.36	0.34	mg/Kg wet	1.67		81.4	40-140	3.60	30	
2,4-Dimethylphenol	1.22	0.34	mg/Kg wet	1.67		73.2	30-130	0.518	30	
Dimethylphthalate	1.33	0.34	mg/Kg wet	1.67		80.0	40-140	2.81	30	
4,6-Dinitro-2-methylphenol	1.11	0.34	mg/Kg wet	1.67		66.8	30-130	5.47	30	
2,4-Dinitrophenol	0.863	0.66	mg/Kg wet	1.67		51.8	30-130	4.18	30	
2,4-Dinitrotoluene	1.41	0.34	mg/Kg wet	1.67		84.5	40-140	4.10	30	
2,6-Dinitrotoluene	1.41	0.34	mg/Kg wet	1.67		84.6	40-140	1.72	30	
Di-n-octylphthalate	1.32	0.34	mg/Kg wet	1.67		79.2	40-140	2.53	30	
1,2-Diphenylhydrazine/Azobenzene	1.15	0.34	mg/Kg wet	1.67		68.8	40-140	0.810	30	
Fluoranthene	1.34	0.17	mg/Kg wet	1.67		80.4	40-140	3.47	30	
Fluorene	1.35	0.17	mg/Kg wet	1.67		81.2	40-140	3.94	30	

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

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
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Batch B242511 - SW-846 3546

LCS Dup (B242511-BSD1)

Prepared: 10/08/19 Analyzed: 10/09/19

Hexachlorobenzene	1.36	0.34	mg/Kg wet	1.67		81.7	40-140	1.18	30	
Hexachlorobutadiene	1.41	0.34	mg/Kg wet	1.67		84.4	40-140	4.51	30	
Hexachlorocyclopentadiene	0.947	0.34	mg/Kg wet	1.67		56.8	40-140	3.66	30	
Hexachloroethane	1.20	0.34	mg/Kg wet	1.67		71.7	40-140	5.35	30	
Indeno(1,2,3-cd)pyrene	1.53	0.17	mg/Kg wet	1.67		92.0	40-140	6.00	30	
Isophorone	1.30	0.34	mg/Kg wet	1.67		77.7	40-140	1.71	30	
1-Methylnaphthalene	1.18	0.17	mg/Kg wet	1.67		70.6	40-140	2.32	30	
2-Methylnaphthalene	1.41	0.17	mg/Kg wet	1.67		84.7	40-140	2.36	30	
2-Methylphenol	1.15	0.34	mg/Kg wet	1.67		69.1	30-130	0.989	30	
3/4-Methylphenol	1.21	0.34	mg/Kg wet	1.67		72.7	30-130	1.75	30	
Naphthalene	1.25	0.17	mg/Kg wet	1.67		75.0	40-140	4.36	30	
2-Nitroaniline	1.21	0.34	mg/Kg wet	1.67		72.7	40-140	0.850	30	
3-Nitroaniline	1.14	0.34	mg/Kg wet	1.67		68.2	30-140	5.67	30	†
4-Nitroaniline	1.34	0.34	mg/Kg wet	1.67		80.1	40-140	7.70	30	
Nitrobenzene	1.21	0.34	mg/Kg wet	1.67		72.8	40-140	2.93	30	
2-Nitrophenol	1.28	0.34	mg/Kg wet	1.67		77.0	30-130	3.89	30	
4-Nitrophenol	1.63	0.66	mg/Kg wet	1.67		97.5	30-130	4.04	50	V-06 ‡
N-Nitrosodimethylamine	1.06	0.34	mg/Kg wet	1.67		63.8	40-140	3.64	30	
N-Nitrosodiphenylamine/Diphenylamine	1.34	0.34	mg/Kg wet	1.67		80.3	40-140	1.23	30	
N-Nitrosodi-n-propylamine	1.23	0.34	mg/Kg wet	1.67		73.6	40-140	1.84	30	
Pentachloronitrobenzene	1.44	0.34	mg/Kg wet	1.67		86.3	40-140	3.30	30	
Pentachlorophenol	1.15	0.34	mg/Kg wet	1.67		69.0	30-130	0.991	30	
Phenanthrene	1.28	0.17	mg/Kg wet	1.67		77.1	40-140	2.52	30	
Phenol	1.14	0.34	mg/Kg wet	1.67		68.2	30-130	1.66	30	
Pyrene	1.38	0.17	mg/Kg wet	1.67		82.8	40-140	2.47	30	
Pyridine	0.588	0.34	mg/Kg wet	1.67		35.3	30-140	5.18	30	V-05 †
1,2,4,5-Tetrachlorobenzene	1.33	0.34	mg/Kg wet	1.67		79.7	40-140	4.12	30	
1,2,4-Trichlorobenzene	1.33	0.34	mg/Kg wet	1.67		79.6	40-140	4.63	30	
2,4,5-Trichlorophenol	1.36	0.34	mg/Kg wet	1.67		81.4	30-130	1.31	30	
2,4,6-Trichlorophenol	1.37	0.34	mg/Kg wet	1.67		82.3	30-130	3.89	30	
Surrogate: 2-Fluorophenol	4.94		mg/Kg wet	6.67		74.2	30-130			
Surrogate: Phenol-d6	4.98		mg/Kg wet	6.67		74.7	30-130			
Surrogate: Nitrobenzene-d5	2.56		mg/Kg wet	3.33		76.9	30-130			
Surrogate: 2-Fluorobiphenyl	2.69		mg/Kg wet	3.33		80.7	30-130			
Surrogate: 2,4,6-Tribromophenol	6.91		mg/Kg wet	6.67		104	30-130			
Surrogate: p-Terphenyl-d14	3.20		mg/Kg wet	3.33		95.9	30-130			

Matrix Spike (B242511-MS1)

Source: 19J0330-10

Prepared: 10/08/19 Analyzed: 10/09/19

Acenaphthene	1.38	0.20	mg/Kg dry	1.95	ND	70.5	40-140			
Acenaphthylene	1.48	0.20	mg/Kg dry	1.95	ND	76.0	40-140			
Acetophenone	1.47	0.40	mg/Kg dry	1.95	ND	75.1	40-140			
Aniline	0.396	0.40	mg/Kg dry	1.95	ND	20.3 *	40-140			MS-09, J
Anthracene	1.52	0.20	mg/Kg dry	1.95	0.122	71.4	40-140			
Benzidine	ND	0.77	mg/Kg dry	1.95	ND	*	40-140			MS-09, V-05, V-35
Benzo(a)anthracene	1.88	0.20	mg/Kg dry	1.95	0.530	69.0	40-140			
Benzo(a)pyrene	1.76	0.20	mg/Kg dry	1.95	0.489	65.2	40-140			
Benzo(b)fluoranthene	2.02	0.20	mg/Kg dry	1.95	0.612	72.2	40-140			
Benzo(g,h,i)perylene	1.98	0.20	mg/Kg dry	1.95	0.320	85.0	40-140			
Benzo(k)fluoranthene	1.77	0.20	mg/Kg dry	1.95	0.250	77.9	40-140			
Benzoic Acid	1.21	1.2	mg/Kg dry	1.95	ND	61.9	40-140			
Bis(2-chloroethoxy)methane	1.42	0.40	mg/Kg dry	1.95	ND	72.8	40-140			
Bis(2-chloroethyl)ether	1.24	0.40	mg/Kg dry	1.95	ND	63.5	40-140			

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

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 B242511 - SW-846 3546										
Matrix Spike (B242511-MS1)	Source: 19J0330-10			Prepared: 10/08/19 Analyzed: 10/09/19						
Bis(2-chloroisopropyl)ether	1.38	0.40	mg/Kg dry	1.95	ND	70.3	40-140			
Bis(2-Ethylhexyl)phthalate	1.50	0.40	mg/Kg dry	1.95	ND	76.9	40-140			
4-Bromophenylphenylether	1.54	0.40	mg/Kg dry	1.95	ND	78.9	40-140			
Butylbenzylphthalate	1.49	0.40	mg/Kg dry	1.95	ND	76.2	40-140			
Carbazole	1.43	0.20	mg/Kg dry	1.95	ND	73.3	40-140			
4-Chloroaniline	0.805	0.77	mg/Kg dry	1.95	ND	41.2	40-140			
4-Chloro-3-methylphenol	1.44	0.77	mg/Kg dry	1.95	ND	73.7	30-130			
2-Chloronaphthalene	1.29	0.40	mg/Kg dry	1.95	ND	66.1	40-140			
2-Chlorophenol	1.28	0.40	mg/Kg dry	1.95	ND	65.6	30-130			
4-Chlorophenylphenylether	1.59	0.40	mg/Kg dry	1.95	ND	81.5	40-140			
Chrysene	1.88	0.20	mg/Kg dry	1.95	0.581	66.4	40-140			
Dibenz(a,h)anthracene	1.76	0.20	mg/Kg dry	1.95	ND	90.1	40-140			
Dibenzofuran	1.67	0.40	mg/Kg dry	1.95	ND	85.6	40-140			
Di-n-butylphthalate	1.46	0.40	mg/Kg dry	1.95	ND	74.6	40-140			
1,2-Dichlorobenzene	1.28	0.40	mg/Kg dry	1.95	ND	65.5	40-140			
1,3-Dichlorobenzene	1.23	0.40	mg/Kg dry	1.95	ND	62.8	40-140			
1,4-Dichlorobenzene	1.26	0.40	mg/Kg dry	1.95	ND	64.6	40-140			
3,3-Dichlorobenzidine	0.128	0.20	mg/Kg dry	1.95	ND	6.54 *	40-140			MS-09, J
2,4-Dichlorophenol	1.30	0.40	mg/Kg dry	1.95	ND	66.7	30-130			
Diethylphthalate	1.53	0.40	mg/Kg dry	1.95	ND	78.1	40-140			
2,4-Dimethylphenol	0.723	0.40	mg/Kg dry	1.95	ND	37.0	30-130			
Dimethylphthalate	1.52	0.40	mg/Kg dry	1.95	ND	77.5	40-140			
4,6-Dinitro-2-methylphenol	1.01	0.40	mg/Kg dry	1.95	ND	51.9	30-130			
2,4-Dinitrophenol	0.714	0.77	mg/Kg dry	1.95	ND	36.5	30-130			J
2,4-Dinitrotoluene	1.60	0.40	mg/Kg dry	1.95	ND	81.9	40-140			
2,6-Dinitrotoluene	1.61	0.40	mg/Kg dry	1.95	ND	82.5	40-140			
Di-n-octylphthalate	1.85	0.40	mg/Kg dry	1.95	ND	94.8	40-140			
1,2-Diphenylhydrazine/Azobenzene	1.33	0.40	mg/Kg dry	1.95	ND	68.0	40-140			
Fluoranthene	2.16	0.20	mg/Kg dry	1.95	1.06	56.2	40-140			
Fluorene	1.55	0.20	mg/Kg dry	1.95	ND	79.1	40-140			
Hexachlorobenzene	1.57	0.40	mg/Kg dry	1.95	ND	80.1	40-140			
Hexachlorobutadiene	1.62	0.40	mg/Kg dry	1.95	ND	82.7	40-140			
Hexachlorocyclopentadiene	1.13	0.40	mg/Kg dry	1.95	ND	57.8	30-130			
Hexachloroethane	1.32	0.40	mg/Kg dry	1.95	ND	67.4	40-140			
Indeno(1,2,3-cd)pyrene	2.09	0.20	mg/Kg dry	1.95	0.378	87.7	40-140			
Isophorone	1.53	0.40	mg/Kg dry	1.95	ND	78.2	40-140			
1-Methylnaphthalene	1.92	0.20	mg/Kg dry	1.95	0.172	89.2	40-140			R-06
2-Methylnaphthalene	2.32	0.20	mg/Kg dry	1.95	0.201	108	40-140			R-06
2-Methylphenol	1.06	0.40	mg/Kg dry	1.95	ND	54.4	30-130			
3/4-Methylphenol	1.20	0.40	mg/Kg dry	1.95	ND	61.2	30-130			
Naphthalene	1.79	0.20	mg/Kg dry	1.95	0.152	84.0	40-140			R-06
2-Nitroaniline	1.26	0.40	mg/Kg dry	1.95	ND	64.4	40-140			
3-Nitroaniline	0.886	0.40	mg/Kg dry	1.95	ND	45.3	40-140			
4-Nitroaniline	0.909	0.40	mg/Kg dry	1.95	ND	46.5	40-140			
Nitrobenzene	1.41	0.40	mg/Kg dry	1.95	ND	72.3	40-140			
2-Nitrophenol	1.45	0.40	mg/Kg dry	1.95	ND	74.4	30-130			
4-Nitrophenol	1.62	0.77	mg/Kg dry	1.95	ND	82.7	30-130			V-06
N-Nitrosodimethylamine	1.15	0.40	mg/Kg dry	1.95	ND	58.7	40-140			
N-Nitrosodiphenylamine/Diphenylamine	1.42	0.40	mg/Kg dry	1.95	ND	72.6	40-140			
N-Nitrosodi-n-propylamine	1.43	0.40	mg/Kg dry	1.95	ND	72.9	40-140			
Pentachloronitrobenzene	1.69	0.40	mg/Kg dry	1.95	ND	86.5	40-140			
Pentachlorophenol	1.06	0.40	mg/Kg dry	1.95	ND	54.2	30-130			

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B242511 - SW-846 3546										
Matrix Spike (B242511-MS1)										
		Source: 19J0330-10			Prepared: 10/08/19 Analyzed: 10/09/19					
Phenanthrene	2.08	0.20	mg/Kg dry	1.95	0.889	60.8	40-140			
Phenol	1.26	0.40	mg/Kg dry	1.95	ND	64.3	30-130			
Pyrene	2.14	0.20	mg/Kg dry	1.95	1.23	46.4	40-140			
Pyridine	0.571	0.40	mg/Kg dry	1.95	ND	29.2	* 40-140			MS-09, V-05
1,2,4,5-Tetrachlorobenzene	1.58	0.40	mg/Kg dry	1.95	ND	80.6	40-140			
1,2,4-Trichlorobenzene	1.58	0.40	mg/Kg dry	1.95	ND	80.8	40-140			
2,4,5-Trichlorophenol	1.49	0.40	mg/Kg dry	1.95	ND	76.0	30-130			
2,4,6-Trichlorophenol	1.45	0.40	mg/Kg dry	1.95	ND	74.0	30-130			
Surrogate: 2-Fluorophenol	4.91		mg/Kg dry	7.82		62.8	30-130			
Surrogate: Phenol-d6	5.27		mg/Kg dry	7.82		67.4	30-130			
Surrogate: Nitrobenzene-d5	2.98		mg/Kg dry	3.91		76.2	30-130			
Surrogate: 2-Fluorobiphenyl	3.16		mg/Kg dry	3.91		80.9	30-130			
Surrogate: 2,4,6-Tribromophenol	5.89		mg/Kg dry	7.82		75.3	30-130			
Surrogate: p-Terphenyl-d14	3.66		mg/Kg dry	3.91		93.7	30-130			
Matrix Spike Dup (B242511-MSD1)										
		Source: 19J0330-10			Prepared: 10/08/19 Analyzed: 10/09/19					
Acenaphthene	1.22	0.20	mg/Kg dry	1.93	ND	63.2	40-140	12.2	30	
Acenaphthylene	1.35	0.20	mg/Kg dry	1.93	ND	69.7	40-140	9.86	30	
Acetophenone	1.22	0.39	mg/Kg dry	1.93	ND	63.5	40-140	18.1	30	
Aniline	0.432	0.39	mg/Kg dry	1.93	ND	22.4	* 40-140	8.53	30	MS-09
Anthracene	1.36	0.20	mg/Kg dry	1.93	0.122	64.3	40-140	10.8	30	
Benzidine	ND	0.76	mg/Kg dry	1.93	ND	*	40-140	NC	30	V-35, MS-09, V-05
Benzo(a)anthracene	1.88	0.20	mg/Kg dry	1.93	0.530	70.0	40-140	0.0854	30	
Benzo(a)pyrene	1.75	0.20	mg/Kg dry	1.93	0.489	65.3	40-140	0.834	30	
Benzo(b)fluoranthene	1.94	0.20	mg/Kg dry	1.93	0.612	68.6	40-140	4.46	30	
Benzo(g,h,i)perylene	1.99	0.20	mg/Kg dry	1.93	0.320	86.4	40-140	0.285	30	
Benzo(k)fluoranthene	1.57	0.20	mg/Kg dry	1.93	0.250	68.4	40-140	12.2	30	
Benzoic Acid	1.12	1.2	mg/Kg dry	1.93	ND	58.2	40-140	7.42	30	J
Bis(2-chloroethoxy)methane	1.21	0.39	mg/Kg dry	1.93	ND	62.7	40-140	16.2	30	
Bis(2-chloroethyl)ether	1.07	0.39	mg/Kg dry	1.93	ND	55.4	40-140	14.9	30	
Bis(2-chloroisopropyl)ether	1.17	0.39	mg/Kg dry	1.93	ND	60.8	40-140	15.9	30	
Bis(2-Ethylhexyl)phthalate	1.37	0.39	mg/Kg dry	1.93	ND	70.8	40-140	9.47	30	
4-Bromophenylphenylether	1.33	0.39	mg/Kg dry	1.93	ND	69.0	40-140	14.8	30	
Butylbenzylphthalate	1.39	0.39	mg/Kg dry	1.93	ND	71.9	40-140	7.10	30	
Carbazole	1.29	0.20	mg/Kg dry	1.93	ND	67.0	40-140	10.3	30	
4-Chloroaniline	0.741	0.76	mg/Kg dry	1.93	ND	38.4	* 40-140	8.25	30	MS-22, J
4-Chloro-3-methylphenol	1.28	0.76	mg/Kg dry	1.93	ND	66.3	30-130	11.9	30	
2-Chloronaphthalene	1.14	0.39	mg/Kg dry	1.93	ND	59.2	40-140	12.4	30	
2-Chlorophenol	1.11	0.39	mg/Kg dry	1.93	ND	57.6	30-130	14.2	30	
4-Chlorophenylphenylether	1.41	0.39	mg/Kg dry	1.93	ND	73.1	40-140	12.2	30	
Chrysene	1.90	0.20	mg/Kg dry	1.93	0.581	68.1	40-140	0.820	30	
Dibenz(a,h)anthracene	1.72	0.20	mg/Kg dry	1.93	ND	89.1	40-140	2.37	30	
Dibenzofuran	1.41	0.39	mg/Kg dry	1.93	ND	72.8	40-140	17.4	30	
Di-n-butylphthalate	1.28	0.39	mg/Kg dry	1.93	ND	66.6	40-140	12.8	30	
1,2-Dichlorobenzene	1.09	0.39	mg/Kg dry	1.93	ND	56.4	40-140	16.2	30	
1,3-Dichlorobenzene	1.06	0.39	mg/Kg dry	1.93	ND	54.8	40-140	14.9	30	
1,4-Dichlorobenzene	1.09	0.39	mg/Kg dry	1.93	ND	56.6	40-140	14.5	30	
3,3-Dichlorobenzidine	0.194	0.20	mg/Kg dry	1.93	ND	10.0	* 40-140		30	MS-09, J
2,4-Dichlorophenol	1.14	0.39	mg/Kg dry	1.93	ND	59.2	30-130	13.2	30	
Diethylphthalate	1.38	0.39	mg/Kg dry	1.93	ND	71.7	40-140	9.76	30	
2,4-Dimethylphenol	0.589	0.39	mg/Kg dry	1.93	ND	30.5	30-130	20.4	30	
Dimethylphthalate	1.37	0.39	mg/Kg dry	1.93	ND	70.8	40-140	10.4	30	

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

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 B242511 - SW-846 3546										
Matrix Spike Dup (B242511-MSD1)	Source: 19J0330-10			Prepared: 10/08/19 Analyzed: 10/09/19						
4,6-Dinitro-2-methylphenol	0.966	0.39	mg/Kg dry	1.93	ND	50.1	30-130	4.93	30	
2,4-Dinitrophenol	0.718	0.76	mg/Kg dry	1.93	ND	37.2	30-130	0.525	30	J
2,4-Dinitrotoluene	1.38	0.39	mg/Kg dry	1.93	ND	71.5	40-140	14.9	30	
2,6-Dinitrotoluene	1.41	0.39	mg/Kg dry	1.93	ND	73.0	40-140	13.6	30	
Di-n-octylphthalate	1.48	0.39	mg/Kg dry	1.93	ND	76.5	40-140	22.6	30	
1,2-Diphenylhydrazine/Azobenzene	1.19	0.39	mg/Kg dry	1.93	ND	61.9	40-140	10.6	30	
Fluoranthene	2.36	0.20	mg/Kg dry	1.93	1.06	67.5	40-140	9.02	30	
Fluorene	1.40	0.20	mg/Kg dry	1.93	ND	72.6	40-140	9.91	30	
Hexachlorobenzene	1.32	0.39	mg/Kg dry	1.93	ND	68.6	40-140	16.7	30	
Hexachlorobutadiene	1.36	0.39	mg/Kg dry	1.93	ND	70.6	40-140	17.1	30	
Hexachlorocyclopentadiene	0.945	0.39	mg/Kg dry	1.93	ND	49.0	30-130	17.8	30	
Hexachloroethane	1.14	0.39	mg/Kg dry	1.93	ND	59.0	40-140	14.7	30	
Indeno(1,2,3-cd)pyrene	2.10	0.20	mg/Kg dry	1.93	0.378	89.4	40-140	0.420	30	
Isophorone	1.31	0.39	mg/Kg dry	1.93	ND	67.7	40-140	15.6	30	
1-Methylnaphthalene	1.30	0.20	mg/Kg dry	1.93	0.172	58.6	40-140	38.2 *	30	R-06
2-Methylnaphthalene	1.57	0.20	mg/Kg dry	1.93	0.201	70.9	40-140	38.6 *	30	R-06
2-Methylphenol	0.937	0.39	mg/Kg dry	1.93	ND	48.6	30-130	12.7	30	
3/4-Methylphenol	1.06	0.39	mg/Kg dry	1.93	ND	54.8	30-130	12.3	30	
Naphthalene	1.33	0.20	mg/Kg dry	1.93	0.152	60.8	40-140	30.0	30	R-06
2-Nitroaniline	1.17	0.39	mg/Kg dry	1.93	ND	60.9	40-140	6.84	30	
3-Nitroaniline	0.897	0.39	mg/Kg dry	1.93	ND	46.5	40-140	1.25	30	
4-Nitroaniline	0.879	0.39	mg/Kg dry	1.93	ND	45.6	40-140	3.32	30	
Nitrobenzene	1.18	0.39	mg/Kg dry	1.93	ND	61.4	40-140	17.6	30	
2-Nitrophenol	1.23	0.39	mg/Kg dry	1.93	ND	63.7	30-130	16.9	30	
4-Nitrophenol	1.48	0.76	mg/Kg dry	1.93	ND	76.5	30-130	9.16	30	V-06
N-Nitrosodimethylamine	0.987	0.39	mg/Kg dry	1.93	ND	51.2	40-140	15.0	30	
N-Nitrosodiphenylamine/Diphenylamine	1.25	0.39	mg/Kg dry	1.93	ND	65.0	40-140	12.4	30	
N-Nitrosodi-n-propylamine	1.22	0.39	mg/Kg dry	1.93	ND	63.1	40-140	15.8	30	
Pentachloronitrobenzene	1.44	0.39	mg/Kg dry	1.93	ND	74.6	40-140	16.0	30	
Pentachlorophenol	0.997	0.39	mg/Kg dry	1.93	ND	51.7	30-130	6.08	30	
Phenanthrene	2.03	0.20	mg/Kg dry	1.93	0.889	59.3	40-140	2.11	30	
Phenol	1.09	0.39	mg/Kg dry	1.93	ND	56.3	30-130	14.6	30	
Pyrene	2.48	0.20	mg/Kg dry	1.93	1.23	64.6	40-140	14.7	30	
Pyridine	0.499	0.39	mg/Kg dry	1.93	ND	25.9 *	40-140	13.4	30	MS-09, V-05
1,2,4,5-Tetrachlorobenzene	1.36	0.39	mg/Kg dry	1.93	ND	70.5	40-140	14.6	30	
1,2,4-Trichlorobenzene	1.31	0.39	mg/Kg dry	1.93	ND	67.7	40-140	18.9	30	
2,4,5-Trichlorophenol	1.31	0.39	mg/Kg dry	1.93	ND	67.9	30-130	12.7	30	
2,4,6-Trichlorophenol	1.27	0.39	mg/Kg dry	1.93	ND	65.7	30-130	13.2	30	
Surrogate: 2-Fluorophenol	4.20		mg/Kg dry	7.72		54.4	30-130			
Surrogate: Phenol-d6	4.52		mg/Kg dry	7.72		58.6	30-130			
Surrogate: Nitrobenzene-d5	2.54		mg/Kg dry	3.86		65.7	30-130			
Surrogate: 2-Fluorobiphenyl	2.81		mg/Kg dry	3.86		72.7	30-130			
Surrogate: 2,4,6-Tribromophenol	5.29		mg/Kg dry	7.72		68.5	30-130			
Surrogate: p-Terphenyl-d14	3.40		mg/Kg dry	3.86		88.1	30-130			

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

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
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Batch B242512 - SW-846 3546

Blank (B242512-BLK1)

Prepared: 10/08/19 Analyzed: 10/09/19

Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Acetophenone	ND	0.34	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzidine	ND	0.66	mg/Kg wet							R-05, V-05, V-35
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							
Benzoic Acid	ND	1.0	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							
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							V-20
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							V-20
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
1,2-Diphenylhydrazine/Azobenzene	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
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							
1-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B242512 - SW-846 3546

Blank (B242512-BLK1)

Prepared: 10/08/19 Analyzed: 10/09/19

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							
4-Nitrophenol	ND	0.66	mg/Kg wet							
N-Nitrosodimethylamine	ND	0.34	mg/Kg wet							
N-Nitrosodiphenylamine/Diphenylamine	ND	0.34	mg/Kg wet							
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet							
Pentachloronitrobenzene	ND	0.34	mg/Kg wet							
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Phenol	ND	0.34	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
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	5.76		mg/Kg wet	6.67		86.4	30-130			
Surrogate: Phenol-d6	5.66		mg/Kg wet	6.67		84.8	30-130			
Surrogate: Nitrobenzene-d5	2.76		mg/Kg wet	3.33		82.9	30-130			
Surrogate: 2-Fluorobiphenyl	2.92		mg/Kg wet	3.33		87.6	30-130			
Surrogate: 2,4,6-Tribromophenol	6.26		mg/Kg wet	6.67		93.9	30-130			
Surrogate: p-Terphenyl-d14	3.39		mg/Kg wet	3.33		108	30-130			

LCS (B242512-BS1)

Prepared: 10/08/19 Analyzed: 10/09/19

Acenaphthene	1.47	0.17	mg/Kg wet	1.67		88.2	40-140			
Acenaphthylene	1.46	0.17	mg/Kg wet	1.67		87.6	40-140			
Acetophenone	1.30	0.34	mg/Kg wet	1.67		77.9	40-140			
Aniline	1.14	0.34	mg/Kg wet	1.67		68.5	10-140			†
Anthracene	1.48	0.17	mg/Kg wet	1.67		88.7	40-140			
Benzidine	1.78	0.66	mg/Kg wet	1.67		107	40-140			R-05, V-05, V-35
Benzo(a)anthracene	1.56	0.17	mg/Kg wet	1.67		93.7	40-140			
Benzo(a)pyrene	1.47	0.17	mg/Kg wet	1.67		88.2	40-140			
Benzo(b)fluoranthene	1.52	0.17	mg/Kg wet	1.67		91.2	40-140			
Benzo(g,h,i)perylene	1.58	0.17	mg/Kg wet	1.67		94.7	40-140			
Benzo(k)fluoranthene	1.50	0.17	mg/Kg wet	1.67		89.8	40-140			
Benzoic Acid	0.892	1.0	mg/Kg wet	1.67		53.5	30-130			J
Bis(2-chloroethoxy)methane	1.46	0.34	mg/Kg wet	1.67		87.5	40-140			
Bis(2-chloroethyl)ether	1.25	0.34	mg/Kg wet	1.67		74.7	40-140			
Bis(2-chloroisopropyl)ether	1.41	0.34	mg/Kg wet	1.67		84.7	40-140			
Bis(2-Ethylhexyl)phthalate	1.52	0.34	mg/Kg wet	1.67		91.2	40-140			
4-Bromophenylphenylether	1.43	0.34	mg/Kg wet	1.67		85.9	40-140			
Butylbenzylphthalate	1.54	0.34	mg/Kg wet	1.67		92.1	40-140			
Carbazole	1.41	0.17	mg/Kg wet	1.67		84.8	40-140			
4-Chloroaniline	1.10	0.66	mg/Kg wet	1.67		66.3	10-140			†
4-Chloro-3-methylphenol	1.45	0.66	mg/Kg wet	1.67		87.2	30-130			
2-Chloronaphthalene	1.23	0.34	mg/Kg wet	1.67		73.7	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 B242512 - SW-846 3546										
LCS (B242512-BS1)										
					Prepared: 10/08/19 Analyzed: 10/09/19					
2-Chlorophenol	1.33	0.34	mg/Kg wet	1.67		79.6	30-130			
4-Chlorophenylphenylether	1.49	0.34	mg/Kg wet	1.67		89.6	40-140			
Chrysene	1.51	0.17	mg/Kg wet	1.67		90.9	40-140			
Dibenz(a,h)anthracene	1.58	0.17	mg/Kg wet	1.67		94.9	40-140			
Dibenzofuran	1.49	0.34	mg/Kg wet	1.67		89.6	40-140			
Di-n-butylphthalate	1.40	0.34	mg/Kg wet	1.67		83.7	40-140			
1,2-Dichlorobenzene	1.14	0.34	mg/Kg wet	1.67		68.4	40-140			
1,3-Dichlorobenzene	1.13	0.34	mg/Kg wet	1.67		67.9	40-140			
1,4-Dichlorobenzene	1.12	0.34	mg/Kg wet	1.67		67.1	40-140			
3,3-Dichlorobenzidine	1.33	0.17	mg/Kg wet	1.67		79.9	20-140			†
2,4-Dichlorophenol	1.48	0.34	mg/Kg wet	1.67		89.0	30-130			
Diethylphthalate	1.52	0.34	mg/Kg wet	1.67		91.3	40-140			
2,4-Dimethylphenol	1.36	0.34	mg/Kg wet	1.67		81.5	30-130			
Dimethylphthalate	1.46	0.34	mg/Kg wet	1.67		87.3	40-140			
4,6-Dinitro-2-methylphenol	1.57	0.34	mg/Kg wet	1.67		94.0	30-130			
2,4-Dinitrophenol	1.57	0.66	mg/Kg wet	1.67		94.3	30-130			V-06
2,4-Dinitrotoluene	1.70	0.34	mg/Kg wet	1.67		102	40-140			V-06
2,6-Dinitrotoluene	1.72	0.34	mg/Kg wet	1.67		103	40-140			
Di-n-octylphthalate	1.50	0.34	mg/Kg wet	1.67		90.2	40-140			
1,2-Diphenylhydrazine/Azobenzene	1.44	0.34	mg/Kg wet	1.67		86.3	40-140			
Fluoranthene	1.44	0.17	mg/Kg wet	1.67		86.4	40-140			
Fluorene	1.52	0.17	mg/Kg wet	1.67		90.9	40-140			
Hexachlorobenzene	1.43	0.34	mg/Kg wet	1.67		85.8	40-140			
Hexachlorobutadiene	1.27	0.34	mg/Kg wet	1.67		75.9	40-140			
Hexachlorocyclopentadiene	1.19	0.34	mg/Kg wet	1.67		71.6	40-140			
Hexachloroethane	1.12	0.34	mg/Kg wet	1.67		67.2	40-140			
Indeno(1,2,3-cd)pyrene	1.68	0.17	mg/Kg wet	1.67		101	40-140			
Isophorone	1.46	0.34	mg/Kg wet	1.67		87.8	40-140			
1-Methylnaphthalene	1.30	0.17	mg/Kg wet	1.67		78.3	40-140			
2-Methylnaphthalene	1.51	0.17	mg/Kg wet	1.67		90.9	40-140			
2-Methylphenol	1.34	0.34	mg/Kg wet	1.67		80.2	30-130			
3/4-Methylphenol	1.39	0.34	mg/Kg wet	1.67		83.5	30-130			
Naphthalene	1.35	0.17	mg/Kg wet	1.67		81.3	40-140			
2-Nitroaniline	1.87	0.34	mg/Kg wet	1.67		112	40-140			
3-Nitroaniline	1.40	0.34	mg/Kg wet	1.67		84.0	30-140			†
4-Nitroaniline	1.58	0.34	mg/Kg wet	1.67		94.8	40-140			
Nitrobenzene	1.36	0.34	mg/Kg wet	1.67		81.6	40-140			
2-Nitrophenol	1.50	0.34	mg/Kg wet	1.67		90.3	30-130			
4-Nitrophenol	1.60	0.66	mg/Kg wet	1.67		95.7	30-130			
N-Nitrosodimethylamine	1.19	0.34	mg/Kg wet	1.67		71.5	40-140			
N-Nitrosodiphenylamine/Diphenylamine	1.49	0.34	mg/Kg wet	1.67		89.2	40-140			
N-Nitrosodi-n-propylamine	1.31	0.34	mg/Kg wet	1.67		78.8	40-140			
Pentachloronitrobenzene	1.58	0.34	mg/Kg wet	1.67		95.0	40-140			
Pentachlorophenol	1.29	0.34	mg/Kg wet	1.67		77.2	30-130			
Phenanthrene	1.47	0.17	mg/Kg wet	1.67		87.9	40-140			
Phenol	1.32	0.34	mg/Kg wet	1.67		79.4	30-130			
Pyrene	1.59	0.17	mg/Kg wet	1.67		95.1	40-140			
Pyridine	0.768	0.34	mg/Kg wet	1.67		46.1	30-140			†
1,2,4,5-Tetrachlorobenzene	1.46	0.34	mg/Kg wet	1.67		87.3	40-140			
1,2,4-Trichlorobenzene	1.32	0.34	mg/Kg wet	1.67		79.5	40-140			
2,4,5-Trichlorophenol	1.49	0.34	mg/Kg wet	1.67		89.5	30-130			
2,4,6-Trichlorophenol	1.50	0.34	mg/Kg wet	1.67		90.3	30-130			

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B242512 - SW-846 3546

LCS (B242512-BS1)

Prepared: 10/08/19 Analyzed: 10/09/19

Surrogate: 2-Fluorophenol	5.46		mg/Kg wet	6.67		81.9	30-130			
Surrogate: Phenol-d6	5.79		mg/Kg wet	6.67		86.8	30-130			
Surrogate: Nitrobenzene-d5	2.78		mg/Kg wet	3.33		83.3	30-130			
Surrogate: 2-Fluorobiphenyl	3.09		mg/Kg wet	3.33		92.7	30-130			
Surrogate: 2,4,6-Tribromophenol	6.92		mg/Kg wet	6.67		104	30-130			
Surrogate: p-Terphenyl-d14	3.59		mg/Kg wet	3.33		108	30-130			

LCS Dup (B242512-BS1)

Prepared: 10/08/19 Analyzed: 10/09/19

Acenaphthene	1.40	0.17	mg/Kg wet	1.67		84.0	40-140	4.90	30	
Acenaphthylene	1.40	0.17	mg/Kg wet	1.67		84.1	40-140	4.03	30	
Acetophenone	1.42	0.34	mg/Kg wet	1.67		85.1	40-140	8.86	30	
Aniline	1.36	0.34	mg/Kg wet	1.67		81.4	10-140	17.3	50	† ‡
Anthracene	1.45	0.17	mg/Kg wet	1.67		86.8	40-140	2.12	30	
Benzidine	2.45	0.66	mg/Kg wet	1.67		147 *	40-140	31.7 *	30	L-07A, V-05, V-35
Benzo(a)anthracene	1.51	0.17	mg/Kg wet	1.67		90.4	40-140	3.61	30	
Benzo(a)pyrene	1.44	0.17	mg/Kg wet	1.67		86.5	40-140	1.90	30	
Benzo(b)fluoranthene	1.45	0.17	mg/Kg wet	1.67		86.9	40-140	4.76	30	
Benzo(g,h,i)perylene	1.54	0.17	mg/Kg wet	1.67		92.1	40-140	2.74	30	
Benzo(k)fluoranthene	1.48	0.17	mg/Kg wet	1.67		88.5	40-140	1.37	30	
Benzoic Acid	0.734	1.0	mg/Kg wet	1.67		44.0	30-130	19.5	50	J ‡
Bis(2-chloroethoxy)methane	1.44	0.34	mg/Kg wet	1.67		86.4	40-140	1.31	30	
Bis(2-chloroethyl)ether	1.44	0.34	mg/Kg wet	1.67		86.4	40-140	14.4	30	
Bis(2-chloroisopropyl)ether	1.64	0.34	mg/Kg wet	1.67		98.6	40-140	15.1	30	
Bis(2-Ethylhexyl)phthalate	1.46	0.34	mg/Kg wet	1.67		87.7	40-140	3.93	30	
4-Bromophenylphenylether	1.42	0.34	mg/Kg wet	1.67		85.3	40-140	0.748	30	
Butylbenzylphthalate	1.50	0.34	mg/Kg wet	1.67		90.2	40-140	2.08	30	
Carbazole	1.40	0.17	mg/Kg wet	1.67		83.9	40-140	1.09	30	
4-Chloroaniline	1.09	0.66	mg/Kg wet	1.67		65.5	10-140	1.24	30	†
4-Chloro-3-methylphenol	1.44	0.66	mg/Kg wet	1.67		86.2	30-130	1.11	30	
2-Chloronaphthalene	1.17	0.34	mg/Kg wet	1.67		70.2	40-140	4.89	30	
2-Chlorophenol	1.42	0.34	mg/Kg wet	1.67		85.3	30-130	6.86	30	
4-Chlorophenylphenylether	1.48	0.34	mg/Kg wet	1.67		88.7	40-140	0.942	30	
Chrysene	1.47	0.17	mg/Kg wet	1.67		88.4	40-140	2.74	30	
Dibenz(a,h)anthracene	1.50	0.17	mg/Kg wet	1.67		89.9	40-140	5.37	30	
Dibenzofuran	1.47	0.34	mg/Kg wet	1.67		88.0	40-140	1.76	30	
Di-n-butylphthalate	1.42	0.34	mg/Kg wet	1.67		85.0	40-140	1.52	30	
1,2-Dichlorobenzene	1.38	0.34	mg/Kg wet	1.67		82.9	40-140	19.2	30	
1,3-Dichlorobenzene	1.38	0.34	mg/Kg wet	1.67		82.9	40-140	20.0	30	
1,4-Dichlorobenzene	1.38	0.34	mg/Kg wet	1.67		82.5	40-140	20.6	30	
3,3-Dichlorobenzidine	1.21	0.17	mg/Kg wet	1.67		72.8	20-140	9.27	50	† ‡
2,4-Dichlorophenol	1.44	0.34	mg/Kg wet	1.67		86.3	30-130	2.99	30	
Diethylphthalate	1.48	0.34	mg/Kg wet	1.67		88.5	40-140	3.14	30	
2,4-Dimethylphenol	1.37	0.34	mg/Kg wet	1.67		82.4	30-130	1.10	30	
Dimethylphthalate	1.44	0.34	mg/Kg wet	1.67		86.4	40-140	1.06	30	
4,6-Dinitro-2-methylphenol	1.43	0.34	mg/Kg wet	1.67		86.0	30-130	8.80	30	
2,4-Dinitrophenol	1.21	0.66	mg/Kg wet	1.67		72.5	30-130	26.1	30	V-06
2,4-Dinitrotoluene	1.69	0.34	mg/Kg wet	1.67		101	40-140	0.766	30	V-06
2,6-Dinitrotoluene	1.65	0.34	mg/Kg wet	1.67		99.1	40-140	3.90	30	
Di-n-octylphthalate	1.48	0.34	mg/Kg wet	1.67		88.9	40-140	1.50	30	
1,2-Diphenylhydrazine/Azobenzene	1.41	0.34	mg/Kg wet	1.67		84.6	40-140	2.01	30	
Fluoranthene	1.42	0.17	mg/Kg wet	1.67		85.0	40-140	1.56	30	
Fluorene	1.46	0.17	mg/Kg wet	1.67		87.7	40-140	3.58	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
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Batch B242512 - SW-846 3546

LCS Dup (B242512-BSD1)

Prepared: 10/08/19 Analyzed: 10/09/19

Hexachlorobenzene	1.44	0.34	mg/Kg wet	1.67		86.5	40-140	0.743	30	
Hexachlorobutadiene	1.42	0.34	mg/Kg wet	1.67		85.4	40-140	11.8	30	
Hexachlorocyclopentadiene	1.36	0.34	mg/Kg wet	1.67		81.5	40-140	13.0	30	
Hexachloroethane	1.38	0.34	mg/Kg wet	1.67		82.8	40-140	20.8	30	
Indeno(1,2,3-cd)pyrene	1.62	0.17	mg/Kg wet	1.67		97.1	40-140	3.76	30	
Isophorone	1.51	0.34	mg/Kg wet	1.67		90.5	40-140	3.10	30	
1-Methylnaphthalene	1.30	0.17	mg/Kg wet	1.67		78.0	40-140	0.358	30	
2-Methylnaphthalene	1.56	0.17	mg/Kg wet	1.67		93.6	40-140	2.91	30	
2-Methylphenol	1.34	0.34	mg/Kg wet	1.67		80.7	30-130	0.547	30	
3/4-Methylphenol	1.39	0.34	mg/Kg wet	1.67		83.3	30-130	0.192	30	
Naphthalene	1.44	0.17	mg/Kg wet	1.67		86.2	40-140	5.90	30	
2-Nitroaniline	1.82	0.34	mg/Kg wet	1.67		109	40-140	2.73	30	
3-Nitroaniline	1.36	0.34	mg/Kg wet	1.67		81.5	30-140	3.05	30	†
4-Nitroaniline	1.57	0.34	mg/Kg wet	1.67		94.5	40-140	0.402	30	
Nitrobenzene	1.44	0.34	mg/Kg wet	1.67		86.6	40-140	5.99	30	
2-Nitrophenol	1.57	0.34	mg/Kg wet	1.67		94.0	30-130	4.04	30	
4-Nitrophenol	1.49	0.66	mg/Kg wet	1.67		89.4	30-130	6.81	50	‡
N-Nitrosodimethylamine	1.51	0.34	mg/Kg wet	1.67		90.4	40-140	23.3	30	
N-Nitrosodiphenylamine/Diphenylamine	1.44	0.34	mg/Kg wet	1.67		86.5	40-140	3.05	30	
N-Nitrosodi-n-propylamine	1.42	0.34	mg/Kg wet	1.67		85.1	40-140	7.69	30	
Pentachloronitrobenzene	1.56	0.34	mg/Kg wet	1.67		93.4	40-140	1.66	30	
Pentachlorophenol	1.28	0.34	mg/Kg wet	1.67		77.0	30-130	0.285	30	
Phenanthrene	1.43	0.17	mg/Kg wet	1.67		85.6	40-140	2.70	30	
Phenol	1.32	0.34	mg/Kg wet	1.67		79.5	30-130	0.151	30	
Pyrene	1.52	0.17	mg/Kg wet	1.67		91.0	40-140	4.47	30	
Pyridine	0.977	0.34	mg/Kg wet	1.67		58.6	30-140	24.0	30	†
1,2,4,5-Tetrachlorobenzene	1.42	0.34	mg/Kg wet	1.67		85.0	40-140	2.67	30	
1,2,4-Trichlorobenzene	1.47	0.34	mg/Kg wet	1.67		88.1	40-140	10.3	30	
2,4,5-Trichlorophenol	1.44	0.34	mg/Kg wet	1.67		86.4	30-130	3.43	30	
2,4,6-Trichlorophenol	1.46	0.34	mg/Kg wet	1.67		87.4	30-130	3.29	30	
Surrogate: 2-Fluorophenol	6.04		mg/Kg wet	6.67		90.6	30-130			
Surrogate: Phenol-d6	5.88		mg/Kg wet	6.67		88.2	30-130			
Surrogate: Nitrobenzene-d5	2.97		mg/Kg wet	3.33		89.2	30-130			
Surrogate: 2-Fluorobiphenyl	2.96		mg/Kg wet	3.33		88.7	30-130			
Surrogate: 2,4,6-Tribromophenol	6.83		mg/Kg wet	6.67		102	30-130			
Surrogate: p-Terphenyl-d14	3.46		mg/Kg wet	3.33		104	30-130			

Matrix Spike (B242512-MS1)

Source: 19J0330-21

Prepared: 10/08/19 Analyzed: 10/09/19

Acenaphthene	1.47	0.19	mg/Kg dry	1.84	ND	79.7	40-140			
Acenaphthylene	1.45	0.19	mg/Kg dry	1.84	ND	78.5	40-140			
Acetophenone	1.44	0.38	mg/Kg dry	1.84	ND	78.2	40-140			
Aniline	1.03	0.38	mg/Kg dry	1.84	ND	56.1	40-140			
Anthracene	1.52	0.19	mg/Kg dry	1.84	ND	82.6	40-140			
Benzidine	0.0667	0.73	mg/Kg dry	1.84	ND	3.62	* 40-140			MS-09, R-05, V-05, V-35, J
Benzo(a)anthracene	1.55	0.19	mg/Kg dry	1.84	ND	84.2	40-140			
Benzo(a)pyrene	1.49	0.19	mg/Kg dry	1.84	ND	80.9	40-140			
Benzo(b)fluoranthene	1.50	0.19	mg/Kg dry	1.84	ND	81.5	40-140			
Benzo(g,h,i)perylene	1.60	0.19	mg/Kg dry	1.84	ND	87.0	40-140			
Benzo(k)fluoranthene	1.51	0.19	mg/Kg dry	1.84	ND	82.0	40-140			
Benzoic Acid	0.972	1.1	mg/Kg dry	1.84	ND	52.7	40-140			J
Bis(2-chloroethoxy)methane	1.44	0.38	mg/Kg dry	1.84	ND	78.2	40-140			
Bis(2-chloroethyl)ether	1.47	0.38	mg/Kg dry	1.84	ND	79.6	40-140			

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B242512 - SW-846 3546										
Matrix Spike (B242512-MS1)	Source: 19J0330-21			Prepared: 10/08/19 Analyzed: 10/09/19						
Bis(2-chloroisopropyl)ether	1.63	0.38	mg/Kg dry	1.84	ND	88.6	40-140			
Bis(2-Ethylhexyl)phthalate	1.52	0.38	mg/Kg dry	1.84	ND	82.2	40-140			
4-Bromophenylphenylether	1.46	0.38	mg/Kg dry	1.84	ND	79.2	40-140			
Butylbenzylphthalate	1.54	0.38	mg/Kg dry	1.84	ND	83.6	40-140			
Carbazole	1.46	0.19	mg/Kg dry	1.84	ND	79.1	40-140			
4-Chloroaniline	1.22	0.73	mg/Kg dry	1.84	ND	66.1	40-140			
4-Chloro-3-methylphenol	1.51	0.73	mg/Kg dry	1.84	ND	81.8	30-130			
2-Chloronaphthalene	1.26	0.38	mg/Kg dry	1.84	ND	68.2	40-140			
2-Chlorophenol	1.41	0.38	mg/Kg dry	1.84	ND	76.6	30-130			
4-Chlorophenylphenylether	1.53	0.38	mg/Kg dry	1.84	ND	83.2	40-140			
Chrysene	1.52	0.19	mg/Kg dry	1.84	ND	82.7	40-140			
Dibenz(a,h)anthracene	1.59	0.19	mg/Kg dry	1.84	ND	86.2	40-140			
Dibenzofuran	1.52	0.38	mg/Kg dry	1.84	ND	82.7	40-140			
Di-n-butylphthalate	1.46	0.38	mg/Kg dry	1.84	ND	79.4	40-140			
1,2-Dichlorobenzene	1.42	0.38	mg/Kg dry	1.84	ND	77.2	40-140			
1,3-Dichlorobenzene	1.41	0.38	mg/Kg dry	1.84	ND	76.3	40-140			
1,4-Dichlorobenzene	1.42	0.38	mg/Kg dry	1.84	ND	76.8	40-140			
3,3-Dichlorobenzidine	1.36	0.19	mg/Kg dry	1.84	ND	73.6	40-140			
2,4-Dichlorophenol	1.48	0.38	mg/Kg dry	1.84	ND	80.1	30-130			
Diethylphthalate	1.54	0.38	mg/Kg dry	1.84	ND	83.8	40-140			
2,4-Dimethylphenol	1.28	0.38	mg/Kg dry	1.84	ND	69.7	30-130			
Dimethylphthalate	1.50	0.38	mg/Kg dry	1.84	ND	81.4	40-140			
4,6-Dinitro-2-methylphenol	1.65	0.38	mg/Kg dry	1.84	ND	89.8	30-130			
2,4-Dinitrophenol	1.80	0.73	mg/Kg dry	1.84	ND	97.9	30-130			V-06
2,4-Dinitrotoluene	1.75	0.38	mg/Kg dry	1.84	ND	94.7	40-140			V-06
2,6-Dinitrotoluene	1.72	0.38	mg/Kg dry	1.84	ND	93.2	40-140			
Di-n-octylphthalate	1.51	0.38	mg/Kg dry	1.84	ND	81.8	40-140			
1,2-Diphenylhydrazine/Azobenzene	1.49	0.38	mg/Kg dry	1.84	ND	80.9	40-140			
Fluoranthene	1.49	0.19	mg/Kg dry	1.84	ND	80.6	40-140			
Fluorene	1.52	0.19	mg/Kg dry	1.84	ND	82.5	40-140			
Hexachlorobenzene	1.45	0.38	mg/Kg dry	1.84	ND	78.5	40-140			
Hexachlorobutadiene	1.41	0.38	mg/Kg dry	1.84	ND	76.5	40-140			
Hexachlorocyclopentadiene	1.37	0.38	mg/Kg dry	1.84	ND	74.2	30-130			
Hexachloroethane	1.36	0.38	mg/Kg dry	1.84	ND	74.0	40-140			
Indeno(1,2,3-cd)pyrene	1.70	0.19	mg/Kg dry	1.84	ND	92.2	40-140			
Isophorone	1.49	0.38	mg/Kg dry	1.84	ND	80.7	40-140			
1-Methylnaphthalene	1.32	0.19	mg/Kg dry	1.84	ND	71.7	40-140			
2-Methylnaphthalene	1.57	0.19	mg/Kg dry	1.84	ND	85.1	40-140			
2-Methylphenol	1.37	0.38	mg/Kg dry	1.84	ND	74.5	30-130			
3/4-Methylphenol	1.41	0.38	mg/Kg dry	1.84	ND	76.2	30-130			
Naphthalene	1.43	0.19	mg/Kg dry	1.84	ND	77.6	40-140			
2-Nitroaniline	1.89	0.38	mg/Kg dry	1.84	ND	103	40-140			
3-Nitroaniline	1.47	0.38	mg/Kg dry	1.84	ND	79.7	40-140			
4-Nitroaniline	1.63	0.38	mg/Kg dry	1.84	ND	88.2	40-140			
Nitrobenzene	1.45	0.38	mg/Kg dry	1.84	ND	78.7	40-140			
2-Nitrophenol	1.59	0.38	mg/Kg dry	1.84	ND	86.2	30-130			
4-Nitrophenol	1.60	0.73	mg/Kg dry	1.84	ND	86.7	30-130			
N-Nitrosodimethylamine	1.48	0.38	mg/Kg dry	1.84	ND	80.5	40-140			
N-Nitrosodiphenylamine/Diphenylamine	1.51	0.38	mg/Kg dry	1.84	ND	81.9	40-140			
N-Nitrosodi-n-propylamine	1.46	0.38	mg/Kg dry	1.84	ND	79.0	40-140			
Pentachloronitrobenzene	1.65	0.38	mg/Kg dry	1.84	ND	89.5	40-140			
Pentachlorophenol	1.22	0.38	mg/Kg dry	1.84	ND	66.0	30-130			

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

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 B242512 - SW-846 3546										
Matrix Spike (B242512-MS1)										
		Source: 19J0330-21			Prepared: 10/08/19 Analyzed: 10/09/19					
Phenanthrene	1.48	0.19	mg/Kg dry	1.84	ND	80.1	40-140			
Phenol	1.37	0.38	mg/Kg dry	1.84	ND	74.1	30-130			
Pyrene	1.56	0.19	mg/Kg dry	1.84	ND	84.6	40-140			
Pyridine	0.859	0.38	mg/Kg dry	1.84	ND	46.6	40-140			
1,2,4,5-Tetrachlorobenzene	1.44	0.38	mg/Kg dry	1.84	ND	78.3	40-140			
1,2,4-Trichlorobenzene	1.46	0.38	mg/Kg dry	1.84	ND	79.0	40-140			
2,4,5-Trichlorophenol	1.47	0.38	mg/Kg dry	1.84	ND	79.8	30-130			
2,4,6-Trichlorophenol	1.51	0.38	mg/Kg dry	1.84	ND	81.8	30-130			
Surrogate: 2-Fluorophenol	6.03		mg/Kg dry	7.37		81.8	30-130			
Surrogate: Phenol-d6	5.99		mg/Kg dry	7.37		81.3	30-130			
Surrogate: Nitrobenzene-d5	2.96		mg/Kg dry	3.69		80.2	30-130			
Surrogate: 2-Fluorobiphenyl	3.03		mg/Kg dry	3.69		82.1	30-130			
Surrogate: 2,4,6-Tribromophenol	6.87		mg/Kg dry	7.37		93.1	30-130			
Surrogate: p-Terphenyl-d14	3.52		mg/Kg dry	3.69		95.6	30-130			
Matrix Spike Dup (B242512-MSD1)										
		Source: 19J0330-21			Prepared: 10/08/19 Analyzed: 10/09/19					
Acenaphthene	1.43	0.19	mg/Kg dry	1.83	ND	78.1	40-140	2.63	30	
Acenaphthylene	1.41	0.19	mg/Kg dry	1.83	ND	76.7	40-140	2.92	30	
Acetophenone	1.34	0.37	mg/Kg dry	1.83	ND	73.2	40-140	7.21	30	
Aniline	0.915	0.37	mg/Kg dry	1.83	ND	50.0	40-140	12.2	30	
Anthracene	1.47	0.19	mg/Kg dry	1.83	ND	80.3	40-140	3.53	30	
Benzidine	0.0465	0.73	mg/Kg dry	1.83	ND	2.54 *	40-140		30	MS-09, R-05, V-05, V-35, J
Benzo(a)anthracene	1.52	0.19	mg/Kg dry	1.83	ND	82.8	40-140	2.33	30	
Benzo(a)pyrene	1.46	0.19	mg/Kg dry	1.83	ND	79.9	40-140	1.87	30	
Benzo(b)fluoranthene	1.47	0.19	mg/Kg dry	1.83	ND	80.3	40-140	2.07	30	
Benzo(g,h,i)perylene	1.49	0.19	mg/Kg dry	1.83	ND	81.3	40-140	7.36	30	
Benzo(k)fluoranthene	1.50	0.19	mg/Kg dry	1.83	ND	81.8	40-140	0.900	30	
Benzoic Acid	1.06	1.1	mg/Kg dry	1.83	ND	58.0	40-140	8.91	30	J
Bis(2-chloroethoxy)methane	1.42	0.37	mg/Kg dry	1.83	ND	77.8	40-140	1.12	30	
Bis(2-chloroethyl)ether	1.35	0.37	mg/Kg dry	1.83	ND	73.7	40-140	8.25	30	
Bis(2-chloroisopropyl)ether	1.51	0.37	mg/Kg dry	1.83	ND	82.5	40-140	7.86	30	
Bis(2-Ethylhexyl)phthalate	1.50	0.37	mg/Kg dry	1.83	ND	82.0	40-140	0.948	30	
4-Bromophenylphenylether	1.41	0.37	mg/Kg dry	1.83	ND	77.2	40-140	3.24	30	
Butylbenzylphthalate	1.49	0.37	mg/Kg dry	1.83	ND	81.4	40-140	3.35	30	
Carbazole	1.42	0.19	mg/Kg dry	1.83	ND	77.4	40-140	2.88	30	
4-Chloroaniline	1.15	0.73	mg/Kg dry	1.83	ND	62.9	40-140	5.59	30	
4-Chloro-3-methylphenol	1.49	0.73	mg/Kg dry	1.83	ND	81.3	30-130	1.24	30	
2-Chloronaphthalene	1.20	0.37	mg/Kg dry	1.83	ND	65.8	40-140	4.30	30	
2-Chlorophenol	1.31	0.37	mg/Kg dry	1.83	ND	71.7	30-130	7.27	30	
4-Chlorophenylphenylether	1.51	0.37	mg/Kg dry	1.83	ND	82.7	40-140	1.35	30	
Chrysene	1.48	0.19	mg/Kg dry	1.83	ND	80.6	40-140	3.15	30	
Dibenz(a,h)anthracene	1.47	0.19	mg/Kg dry	1.83	ND	80.3	40-140	7.77	30	
Dibenzofuran	1.48	0.37	mg/Kg dry	1.83	ND	80.6	40-140	3.23	30	
Di-n-butylphthalate	1.46	0.37	mg/Kg dry	1.83	ND	79.9	40-140	0.0277	30	
1,2-Dichlorobenzene	1.33	0.37	mg/Kg dry	1.83	ND	72.4	40-140	7.02	30	
1,3-Dichlorobenzene	1.29	0.37	mg/Kg dry	1.83	ND	70.6	40-140	8.36	30	
1,4-Dichlorobenzene	1.31	0.37	mg/Kg dry	1.83	ND	71.3	40-140	8.08	30	
3,3-Dichlorobenzidine	1.08	0.19	mg/Kg dry	1.83	ND	58.9	40-140	22.8	30	
2,4-Dichlorophenol	1.44	0.37	mg/Kg dry	1.83	ND	78.7	30-130	2.44	30	
Diethylphthalate	1.53	0.37	mg/Kg dry	1.83	ND	83.6	40-140	0.919	30	
2,4-Dimethylphenol	1.22	0.37	mg/Kg dry	1.83	ND	66.4	30-130	5.42	30	
Dimethylphthalate	1.45	0.37	mg/Kg dry	1.83	ND	79.4	40-140	3.12	30	

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

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 B242512 - SW-846 3546										
Matrix Spike Dup (B242512-MSD1)	Source: 19J0330-21			Prepared: 10/08/19 Analyzed: 10/09/19						
4,6-Dinitro-2-methylphenol	1.62	0.37	mg/Kg dry	1.83	ND	88.5	30-130	2.07	30	
2,4-Dinitrophenol	1.84	0.73	mg/Kg dry	1.83	ND	100	30-130	1.81	30	V-06
2,4-Dinitrotoluene	1.71	0.37	mg/Kg dry	1.83	ND	93.6	40-140	1.87	30	V-06
2,6-Dinitrotoluene	1.72	0.37	mg/Kg dry	1.83	ND	94.2	40-140	0.369	30	
Di-n-octylphthalate	1.52	0.37	mg/Kg dry	1.83	ND	83.2	40-140	1.04	30	
1,2-Diphenylhydrazine/Azobenzene	1.44	0.37	mg/Kg dry	1.83	ND	78.8	40-140	3.31	30	
Fluoranthene	1.48	0.19	mg/Kg dry	1.83	ND	80.6	40-140	0.656	30	
Fluorene	1.50	0.19	mg/Kg dry	1.83	ND	82.1	40-140	1.07	30	
Hexachlorobenzene	1.45	0.37	mg/Kg dry	1.83	ND	79.3	40-140	0.384	30	
Hexachlorobutadiene	1.35	0.37	mg/Kg dry	1.83	ND	73.7	40-140	4.36	30	
Hexachlorocyclopentadiene	1.31	0.37	mg/Kg dry	1.83	ND	71.7	30-130	4.19	30	
Hexachloroethane	1.32	0.37	mg/Kg dry	1.83	ND	71.9	40-140	3.42	30	
Indeno(1,2,3-cd)pyrene	1.62	0.19	mg/Kg dry	1.83	ND	88.3	40-140	4.93	30	
Isophorone	1.47	0.37	mg/Kg dry	1.83	ND	80.5	40-140	1.00	30	
1-Methylnaphthalene	1.30	0.19	mg/Kg dry	1.83	ND	71.3	40-140	1.30	30	
2-Methylnaphthalene	1.58	0.19	mg/Kg dry	1.83	ND	86.0	40-140	0.396	30	
2-Methylphenol	1.29	0.37	mg/Kg dry	1.83	ND	70.3	30-130	6.48	30	
3/4-Methylphenol	1.34	0.37	mg/Kg dry	1.83	ND	73.3	30-130	4.61	30	
Naphthalene	1.40	0.19	mg/Kg dry	1.83	ND	76.3	40-140	2.35	30	
2-Nitroaniline	1.87	0.37	mg/Kg dry	1.83	ND	102	40-140	0.871	30	
3-Nitroaniline	1.39	0.37	mg/Kg dry	1.83	ND	75.9	40-140	5.57	30	
4-Nitroaniline	1.57	0.37	mg/Kg dry	1.83	ND	85.8	40-140	3.44	30	
Nitrobenzene	1.39	0.37	mg/Kg dry	1.83	ND	76.2	40-140	3.96	30	
2-Nitrophenol	1.55	0.37	mg/Kg dry	1.83	ND	84.9	30-130	2.27	30	
4-Nitrophenol	1.54	0.73	mg/Kg dry	1.83	ND	84.3	30-130	3.48	30	
N-Nitrosodimethylamine	1.37	0.37	mg/Kg dry	1.83	ND	75.0	40-140	7.70	30	
N-Nitrosodiphenylamine/Diphenylamine	1.38	0.37	mg/Kg dry	1.83	ND	75.4	40-140	8.97	30	
N-Nitrosodi-n-propylamine	1.34	0.37	mg/Kg dry	1.83	ND	73.3	40-140	8.06	30	
Pentachloronitrobenzene	1.61	0.37	mg/Kg dry	1.83	ND	87.8	40-140	2.53	30	
Pentachlorophenol	1.26	0.37	mg/Kg dry	1.83	ND	68.5	30-130	3.15	30	
Phenanthrene	1.44	0.19	mg/Kg dry	1.83	ND	78.7	40-140	2.39	30	
Phenol	1.29	0.37	mg/Kg dry	1.83	ND	70.3	30-130	5.84	30	
Pyrene	1.55	0.19	mg/Kg dry	1.83	ND	84.7	40-140	0.538	30	
Pyridine	0.733	0.37	mg/Kg dry	1.83	ND	40.0	40-140	15.8	30	
1,2,4,5-Tetrachlorobenzene	1.36	0.37	mg/Kg dry	1.83	ND	74.3	40-140	5.98	30	
1,2,4-Trichlorobenzene	1.39	0.37	mg/Kg dry	1.83	ND	75.8	40-140	4.74	30	
2,4,5-Trichlorophenol	1.47	0.37	mg/Kg dry	1.83	ND	80.1	30-130	0.381	30	
2,4,6-Trichlorophenol	1.43	0.37	mg/Kg dry	1.83	ND	78.3	30-130	5.08	30	
Surrogate: 2-Fluorophenol	5.57		mg/Kg dry	7.32		76.0	30-130			
Surrogate: Phenol-d6	5.72		mg/Kg dry	7.32		78.1	30-130			
Surrogate: Nitrobenzene-d5	2.87		mg/Kg dry	3.66		78.3	30-130			
Surrogate: 2-Fluorobiphenyl	2.94		mg/Kg dry	3.66		80.3	30-130			
Surrogate: 2,4,6-Tribromophenol	6.66		mg/Kg dry	7.32		90.9	30-130			
Surrogate: p-Terphenyl-d14	3.47		mg/Kg dry	3.66		94.8	30-130			

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

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
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Batch B242909 - SW-846 3546

Blank (B242909-BLK1)

Prepared: 10/11/19 Analyzed: 10/14/19

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	0.0079	mg/Kg wet							
Endosulfan II [2C]	ND	0.0079	mg/Kg wet							
Endosulfan Sulfate	ND	0.0079	mg/Kg wet							
Endosulfan Sulfate [2C]	ND	0.0079	mg/Kg wet							
Endrin	ND	0.0079	mg/Kg wet							
Endrin [2C]	ND	0.0079	mg/Kg wet							
Endrin Aldehyde	ND	0.0079	mg/Kg wet							
Endrin Aldehyde [2C]	ND	0.0079	mg/Kg wet							
Endrin Ketone	ND	0.0079	mg/Kg wet							
Endrin Ketone [2C]	ND	0.0079	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	0.0059	mg/Kg wet							
Hexachlorobenzene [2C]	ND	0.0059	mg/Kg wet							
Methoxychlor	ND	0.050	mg/Kg wet							
Methoxychlor [2C]	ND	0.050	mg/Kg wet							
Toxaphene	ND	0.099	mg/Kg wet							
Toxaphene [2C]	ND	0.099	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.191		mg/Kg wet	0.198		96.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.186		mg/Kg wet	0.198		93.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.196		mg/Kg wet	0.198		98.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.187		mg/Kg wet	0.198		94.4	30-150			

QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B242909 - SW-846 3546

LCS (B242909-BS1)

Prepared: 10/11/19 Analyzed: 10/14/19

alpha-Chlordane	0.10	0.0048	mg/Kg wet	0.0962		108	40-140			
alpha-Chlordane [2C]	0.10	0.0048	mg/Kg wet	0.0962		104	40-140			
gamma-Chlordane	0.10	0.0048	mg/Kg wet	0.0962		107	40-140			
gamma-Chlordane [2C]	0.10	0.0048	mg/Kg wet	0.0962		106	40-140			
Alachlor	0.097	0.019	mg/Kg wet	0.0962		101	40-140			
Alachlor [2C]	0.090	0.019	mg/Kg wet	0.0962		93.3	40-140			
Aldrin	0.10	0.0048	mg/Kg wet	0.0962		108	40-140			
Aldrin [2C]	0.10	0.0048	mg/Kg wet	0.0962		106	40-140			
alpha-BHC	0.10	0.0048	mg/Kg wet	0.0962		105	40-140			
alpha-BHC [2C]	0.10	0.0048	mg/Kg wet	0.0962		108	40-140			
beta-BHC	0.10	0.0048	mg/Kg wet	0.0962		105	40-140			
beta-BHC [2C]	0.091	0.0048	mg/Kg wet	0.0962		95.0	40-140			
delta-BHC	0.10	0.0048	mg/Kg wet	0.0962		104	40-140			
delta-BHC [2C]	0.10	0.0048	mg/Kg wet	0.0962		106	40-140			
gamma-BHC (Lindane)	0.10	0.0019	mg/Kg wet	0.0962		107	40-140			
gamma-BHC (Lindane) [2C]	0.11	0.0019	mg/Kg wet	0.0962		111	40-140			
4,4'-DDD	0.10	0.0038	mg/Kg wet	0.0962		109	40-140			
4,4'-DDD [2C]	0.10	0.0038	mg/Kg wet	0.0962		106	40-140			
4,4'-DDE	0.11	0.0038	mg/Kg wet	0.0962		113	40-140			
4,4'-DDE [2C]	0.11	0.0038	mg/Kg wet	0.0962		110	40-140			
4,4'-DDT	0.11	0.0038	mg/Kg wet	0.0962		112	40-140			
4,4'-DDT [2C]	0.10	0.0038	mg/Kg wet	0.0962		107	40-140			
Dieldrin	0.11	0.0038	mg/Kg wet	0.0962		109	40-140			
Dieldrin [2C]	0.099	0.0038	mg/Kg wet	0.0962		103	40-140			
Endosulfan I	0.097	0.0048	mg/Kg wet	0.0962		101	40-140			
Endosulfan I [2C]	0.087	0.0048	mg/Kg wet	0.0962		90.4	40-140			
Endosulfan II	0.099	0.0077	mg/Kg wet	0.0962		103	40-140			
Endosulfan II [2C]	0.096	0.0077	mg/Kg wet	0.0962		99.5	40-140			
Endosulfan Sulfate	0.11	0.0077	mg/Kg wet	0.0962		110	40-140			
Endosulfan Sulfate [2C]	0.096	0.0077	mg/Kg wet	0.0962		99.7	40-140			
Endrin	0.099	0.0077	mg/Kg wet	0.0962		103	40-140			
Endrin [2C]	0.095	0.0077	mg/Kg wet	0.0962		99.3	40-140			
Endrin Aldehyde	0.099	0.0077	mg/Kg wet	0.0962		103	40-140			
Endrin Aldehyde [2C]	0.093	0.0077	mg/Kg wet	0.0962		96.8	40-140			
Endrin Ketone	0.10	0.0077	mg/Kg wet	0.0962		107	40-140			
Endrin Ketone [2C]	0.098	0.0077	mg/Kg wet	0.0962		102	40-140			
Heptachlor	0.099	0.0048	mg/Kg wet	0.0962		103	40-140			
Heptachlor [2C]	0.10	0.0048	mg/Kg wet	0.0962		104	40-140			
Heptachlor Epoxide	0.10	0.0048	mg/Kg wet	0.0962		105	40-140			
Heptachlor Epoxide [2C]	0.097	0.0048	mg/Kg wet	0.0962		100	40-140			
Hexachlorobenzene	0.10	0.0058	mg/Kg wet	0.0962		105	40-140			
Hexachlorobenzene [2C]	0.10	0.0058	mg/Kg wet	0.0962		104	40-140			
Methoxychlor	0.11	0.048	mg/Kg wet	0.0962		117	40-140			
Methoxychlor [2C]	0.11	0.048	mg/Kg wet	0.0962		116	40-140			
Surrogate: Decachlorobiphenyl	0.185		mg/Kg wet	0.192		96.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.181		mg/Kg wet	0.192		94.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.185		mg/Kg wet	0.192		96.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.180		mg/Kg wet	0.192		93.5	30-150			

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

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 B242909 - SW-846 3546										
LCS Dup (B242909-BSD1)										
					Prepared: 10/11/19 Analyzed: 10/14/19					
alpha-Chlordane	0.10	0.0050	mg/Kg wet	0.100		101	40-140	2.27	30	
alpha-Chlordane [2C]	0.099	0.0050	mg/Kg wet	0.100		98.7	40-140	1.71	30	
gamma-Chlordane	0.10	0.0050	mg/Kg wet	0.100		101	40-140	2.11	30	
gamma-Chlordane [2C]	0.10	0.0050	mg/Kg wet	0.100		100	40-140	2.07	30	
Alachlor	0.096	0.020	mg/Kg wet	0.100		95.8	40-140	1.44	30	
Alachlor [2C]	0.088	0.020	mg/Kg wet	0.100		87.8	40-140	2.14	30	
Aldrin	0.10	0.0050	mg/Kg wet	0.100		102	40-140	1.96	30	
Aldrin [2C]	0.099	0.0050	mg/Kg wet	0.100		99.4	40-140	2.65	30	
alpha-BHC	0.099	0.0050	mg/Kg wet	0.100		98.7	40-140	2.24	30	
alpha-BHC [2C]	0.10	0.0050	mg/Kg wet	0.100		100	40-140	3.65	30	
beta-BHC	0.10	0.0050	mg/Kg wet	0.100		100	40-140	0.681	30	
beta-BHC [2C]	0.092	0.0050	mg/Kg wet	0.100		91.5	40-140	0.159	30	
delta-BHC	0.097	0.0050	mg/Kg wet	0.100		97.3	40-140	3.08	30	
delta-BHC [2C]	0.099	0.0050	mg/Kg wet	0.100		98.8	40-140	3.40	30	
gamma-BHC (Lindane)	0.10	0.0020	mg/Kg wet	0.100		101	40-140	2.27	30	
gamma-BHC (Lindane) [2C]	0.10	0.0020	mg/Kg wet	0.100		104	40-140	2.60	30	
4,4'-DDD	0.10	0.0040	mg/Kg wet	0.100		102	40-140	2.39	30	
4,4'-DDD [2C]	0.10	0.0040	mg/Kg wet	0.100		100	40-140	1.92	30	
4,4'-DDE	0.11	0.0040	mg/Kg wet	0.100		106	40-140	2.47	30	
4,4'-DDE [2C]	0.10	0.0040	mg/Kg wet	0.100		103	40-140	2.42	30	
4,4'-DDT	0.11	0.0040	mg/Kg wet	0.100		107	40-140	0.980	30	
4,4'-DDT [2C]	0.10	0.0040	mg/Kg wet	0.100		101	40-140	1.95	30	
Dieldrin	0.10	0.0040	mg/Kg wet	0.100		103	40-140	2.39	30	
Dieldrin [2C]	0.097	0.0040	mg/Kg wet	0.100		97.3	40-140	1.92	30	
Endosulfan I	0.095	0.0050	mg/Kg wet	0.100		94.6	40-140	2.25	30	
Endosulfan I [2C]	0.079	0.0050	mg/Kg wet	0.100		79.0	40-140	9.59	30	
Endosulfan II	0.097	0.0080	mg/Kg wet	0.100		96.6	40-140	2.59	30	
Endosulfan II [2C]	0.094	0.0080	mg/Kg wet	0.100		94.0	40-140	1.77	30	
Endosulfan Sulfate	0.10	0.0080	mg/Kg wet	0.100		101	40-140	5.16	30	
Endosulfan Sulfate [2C]	0.093	0.0080	mg/Kg wet	0.100		93.2	40-140	2.80	30	
Endrin	0.096	0.0080	mg/Kg wet	0.100		96.4	40-140	2.27	30	
Endrin [2C]	0.094	0.0080	mg/Kg wet	0.100		93.8	40-140	1.74	30	
Endrin Aldehyde	0.096	0.0080	mg/Kg wet	0.100		96.5	40-140	2.33	30	
Endrin Aldehyde [2C]	0.092	0.0080	mg/Kg wet	0.100		91.6	40-140	1.54	30	
Endrin Ketone	0.10	0.0080	mg/Kg wet	0.100		100	40-140	2.26	30	
Endrin Ketone [2C]	0.095	0.0080	mg/Kg wet	0.100		95.1	40-140	2.65	30	
Heptachlor	0.097	0.0050	mg/Kg wet	0.100		96.9	40-140	1.78	30	
Heptachlor [2C]	0.099	0.0050	mg/Kg wet	0.100		98.7	40-140	1.12	30	
Heptachlor Epoxide	0.099	0.0050	mg/Kg wet	0.100		99.0	40-140	2.19	30	
Heptachlor Epoxide [2C]	0.095	0.0050	mg/Kg wet	0.100		94.7	40-140	1.92	30	
Hexachlorobenzene	0.099	0.0060	mg/Kg wet	0.100		99.0	40-140	1.70	30	
Hexachlorobenzene [2C]	0.099	0.0060	mg/Kg wet	0.100		98.9	40-140	1.45	30	
Methoxychlor	0.11	0.050	mg/Kg wet	0.100		111	40-140	1.26	30	
Methoxychlor [2C]	0.11	0.050	mg/Kg wet	0.100		112	40-140	0.0580	30	
Surrogate: Decachlorobiphenyl	0.178		mg/Kg wet	0.200		89.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.174		mg/Kg wet	0.200		87.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.200		90.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.180		mg/Kg wet	0.200		90.2	30-150			

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

QUALITY CONTROL

Herbicides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B242514 - SW-846 8151										
Blank (B242514-BLK1)										
Prepared: 10/08/19 Analyzed: 10/09/19										
2,4-D	ND	24	µg/kg wet							
2,4-D [2C]	ND	24	µg/kg wet							
2,4-DB	ND	24	µg/kg wet							
2,4-DB [2C]	ND	24	µg/kg wet							
2,4,5-TP (Silvex)	ND	2.4	µg/kg wet							
2,4,5-TP (Silvex) [2C]	ND	2.4	µg/kg wet							
2,4,5-T	ND	2.4	µg/kg wet							
2,4,5-T [2C]	ND	2.4	µg/kg wet							
Dalapon	ND	60	µg/kg wet							
Dalapon [2C]	ND	60	µg/kg wet							
Dicamba	ND	2.4	µg/kg wet							
Dicamba [2C]	ND	2.4	µg/kg wet							
Dichloroprop	ND	24	µg/kg wet							
Dichloroprop [2C]	ND	24	µg/kg wet							
Dinoseb	ND	12	µg/kg wet							
Dinoseb [2C]	ND	12	µg/kg wet							
MCPA	ND	2400	µg/kg wet							
MCPA [2C]	ND	2400	µg/kg wet							
MCPP	ND	2400	µg/kg wet							
MCPP [2C]	ND	2400	µg/kg wet							
Surrogate: 2,4-Dichlorophenylacetic acid	73.4		µg/kg wet	95.2		77.0	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	69.9		µg/kg wet	95.2		73.4	30-150			
LCS (B242514-BS1)										
Prepared: 10/08/19 Analyzed: 10/09/19										
2,4-D	97.1	25	µg/kg wet	125		77.7	40-140			
2,4-D [2C]	95.4	25	µg/kg wet	125		76.4	40-140			
2,4-DB	102	25	µg/kg wet	125		81.8	40-140			
2,4-DB [2C]	83.3	25	µg/kg wet	125		66.7	40-140			
2,4,5-TP (Silvex)	11.2	2.5	µg/kg wet	12.5		90.0	40-140			
2,4,5-TP (Silvex) [2C]	9.35	2.5	µg/kg wet	12.5		74.8	40-140			
2,4,5-T	9.79	2.5	µg/kg wet	12.5		78.4	40-140			
2,4,5-T [2C]	9.52	2.5	µg/kg wet	12.5		76.2	40-140			
Dalapon	190	62	µg/kg wet	312		60.9	40-140			
Dalapon [2C]	205	62	µg/kg wet	312		65.7	40-140			
Dicamba	10.3	2.5	µg/kg wet	12.5		82.5	40-140			
Dicamba [2C]	9.78	2.5	µg/kg wet	12.5		78.2	40-140			
Dichloroprop	103	25	µg/kg wet	125		82.7	40-140			
Dichloroprop [2C]	101	25	µg/kg wet	125		80.8	40-140			
Dinoseb	11.2	12	µg/kg wet	62.5		17.9	0-42.4			
Dinoseb [2C]	11.2	12	µg/kg wet	62.5		17.9	0-41.1			V-06
MCPA	9930	2500	µg/kg wet	12500		79.5	40-140			
MCPA [2C]	8670	2500	µg/kg wet	12500		69.4	40-140			
MCPP	11200	2500	µg/kg wet	12500		89.7	40-140			
MCPP [2C]	9050	2500	µg/kg wet	12500		72.4	40-140			
Surrogate: 2,4-Dichlorophenylacetic acid	79.4		µg/kg wet	100		79.4	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	75.2		µg/kg wet	100		75.2	30-150			

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

QUALITY CONTROL

Herbicides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B242514 - SW-846 8151										
LCS Dup (B242514-BSD1)										
					Prepared: 10/08/19 Analyzed: 10/09/19					
2,4-D	101	25	µg/kg wet	125		81.1	40-140	4.37	30	
2,4-D [2C]	99.9	25	µg/kg wet	125		79.9	40-140	4.60	30	
2,4-DB	114	25	µg/kg wet	125		91.0	40-140	10.7	30	
2,4-DB [2C]	88.4	25	µg/kg wet	125		70.7	40-140	5.86	30	
2,4,5-TP (Silvex)	11.7	2.5	µg/kg wet	12.5		93.8	40-140	4.16	30	
2,4,5-TP (Silvex) [2C]	9.82	2.5	µg/kg wet	12.5		78.6	40-140	4.90	30	
2,4,5-T	10.3	2.5	µg/kg wet	12.5		82.4	40-140	5.08	30	
2,4,5-T [2C]	9.82	2.5	µg/kg wet	12.5		78.5	40-140	3.04	30	
Dalapon	176	62	µg/kg wet	312		56.5	40-140	7.53	30	
Dalapon [2C]	190	62	µg/kg wet	312		60.9	40-140	7.61	30	
Dicamba	11.0	2.5	µg/kg wet	12.5		87.8	40-140	6.24	30	
Dicamba [2C]	10.2	2.5	µg/kg wet	12.5		81.3	40-140	3.82	30	
Dichloroprop	108	25	µg/kg wet	125		86.6	40-140	4.61	30	
Dichloroprop [2C]	104	25	µg/kg wet	125		83.2	40-140	2.98	30	
Dinoseb	10.9	12	µg/kg wet	62.5		17.4	0-42.4	2.35	30	
Dinoseb [2C]	10.6	12	µg/kg wet	62.5		17.0	0-41.1	5.01	30	V-06
MCPA	10300	2500	µg/kg wet	12500		82.7	40-140	4.03	30	
MCPA [2C]	8940	2500	µg/kg wet	12500		71.5	40-140	3.05	30	
MCPP	12400	2500	µg/kg wet	12500		99.0	40-140	9.81	30	
MCPP [2C]	9350	2500	µg/kg wet	12500		74.8	40-140	3.25	30	
Surrogate: 2,4-Dichlorophenylacetic acid	85.6		µg/kg wet	100		85.6	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	78.1		µg/kg wet	100		78.1	30-150			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B242912 - SW-846 3540C

Blank (B242912-BLK1)

Prepared: 10/11/19 Analyzed: 10/14/19

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	0.190		mg/Kg wet	0.200		95.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.203		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene	0.195		mg/Kg wet	0.200		97.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.201		mg/Kg wet	0.200		100	30-150			

LCS (B242912-BS1)

Prepared: 10/11/19 Analyzed: 10/14/19

Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		83.4	40-140			
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		84.7	40-140			
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		72.6	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		78.6	40-140			
Surrogate: Decachlorobiphenyl	0.172		mg/Kg wet	0.200		86.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.183		mg/Kg wet	0.200		91.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.180		mg/Kg wet	0.200		89.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.185		mg/Kg wet	0.200		92.6	30-150			

LCS Dup (B242912-BSD1)

Prepared: 10/11/19 Analyzed: 10/14/19

Aroclor-1016	0.15	0.020	mg/Kg wet	0.200		75.5	40-140	9.92	30	
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		77.5	40-140	8.79	30	
Aroclor-1260	0.14	0.020	mg/Kg wet	0.200		69.3	40-140	4.71	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		74.4	40-140	5.54	30	
Surrogate: Decachlorobiphenyl	0.164		mg/Kg wet	0.200		82.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.175		mg/Kg wet	0.200		87.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.165		mg/Kg wet	0.200		82.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.169		mg/Kg wet	0.200		84.7	30-150			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B242912 - SW-846 3540C

Matrix Spike (B242912-MS1)

Source: 19J0330-01

Prepared: 10/11/19 Analyzed: 10/14/19

Aroclor-1016	0.24	0.096	mg/Kg dry	0.239	ND	99.3	40-140			
Aroclor-1016 [2C]	0.22	0.096	mg/Kg dry	0.239	ND	93.2	40-140			
Aroclor-1260	0.21	0.096	mg/Kg dry	0.239	ND	86.7	40-140			
Aroclor-1260 [2C]	0.21	0.096	mg/Kg dry	0.239	ND	86.1	40-140			
Surrogate: Decachlorobiphenyl	0.209		mg/Kg dry	0.239		87.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.221		mg/Kg dry	0.239		92.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.216		mg/Kg dry	0.239		90.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.228		mg/Kg dry	0.239		95.5	30-150			

Matrix Spike Dup (B242912-MSD1)

Source: 19J0330-01

Prepared: 10/11/19 Analyzed: 10/14/19

Aroclor-1016	0.23	0.097	mg/Kg dry	0.242	ND	96.6	40-140	1.75	50	
Aroclor-1016 [2C]	0.22	0.097	mg/Kg dry	0.242	ND	90.7	40-140	1.75	50	
Aroclor-1260	0.20	0.097	mg/Kg dry	0.242	ND	82.3	40-140	4.25	50	
Aroclor-1260 [2C]	0.20	0.097	mg/Kg dry	0.242	ND	82.3	40-140	3.57	50	
Surrogate: Decachlorobiphenyl	0.196		mg/Kg dry	0.242		81.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.207		mg/Kg dry	0.242		85.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.210		mg/Kg dry	0.242		86.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.224		mg/Kg dry	0.242		92.9	30-150			

Batch B243005 - SW-846 3540C

Blank (B243005-BLK1)

Prepared: 10/11/19 Analyzed: 10/15/19

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	0.196		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.212		mg/Kg wet	0.196		108	30-150			
Surrogate: Tetrachloro-m-xylene	0.198		mg/Kg wet	0.196		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.205		mg/Kg wet	0.196		105	30-150			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B243005 - SW-846 3540C

LCS (B243005-BS1)

Prepared: 10/11/19 Analyzed: 10/15/19

Aroclor-1016	0.18	0.020	mg/Kg wet	0.198		91.9	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.198		94.2	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.198		81.1	40-140			
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.198		88.7	40-140			
Surrogate: Decachlorobiphenyl	0.195		mg/Kg wet	0.198		98.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.212		mg/Kg wet	0.198		107	30-150			
Surrogate: Tetrachloro-m-xylene	0.189		mg/Kg wet	0.198		95.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.200		mg/Kg wet	0.198		101	30-150			

LCS Dup (B243005-BSD1)

Prepared: 10/11/19 Analyzed: 10/15/19

Aroclor-1016	0.18	0.020	mg/Kg wet	0.198		91.7	40-140	0.269	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.198		93.1	40-140	1.18	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.198		79.8	40-140	1.54	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.198		87.0	40-140	1.86	30	
Surrogate: Decachlorobiphenyl	0.193		mg/Kg wet	0.198		97.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.208		mg/Kg wet	0.198		105	30-150			
Surrogate: Tetrachloro-m-xylene	0.194		mg/Kg wet	0.198		97.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.203		mg/Kg wet	0.198		103	30-150			

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B242954 - SW-846 3050B										
Blank (B242954-BLK1)										
Prepared: 10/11/19 Analyzed: 10/14/19										
Arsenic	ND	1.7	mg/Kg wet							
Barium	ND	1.7	mg/Kg wet							
Cadmium	ND	0.17	mg/Kg wet							
Chromium	ND	0.33	mg/Kg wet							
Lead	ND	0.50	mg/Kg wet							
Selenium	ND	3.3	mg/Kg wet							
Silver	ND	0.33	mg/Kg wet							
LCS (B242954-BS1)										
Prepared: 10/11/19 Analyzed: 10/14/19										
Arsenic	117	4.9	mg/Kg wet	125		93.3	82.4-116.8			
Barium	574	4.9	mg/Kg wet	529		109	81.7-118.5			
Cadmium	41.2	0.49	mg/Kg wet	37.7		109	82.2-117.5			
Chromium	53.6	0.99	mg/Kg wet	58.3		92.0	82-118.2			
Lead	105	1.5	mg/Kg wet	111		94.3	82.3-117.1			
Selenium	231	9.9	mg/Kg wet	251		92.1	78.9-121.5			
Silver	27.0	0.99	mg/Kg wet	27.2		99.4	79-121			
LCS Dup (B242954-BSD1)										
Prepared: 10/11/19 Analyzed: 10/14/19										
Arsenic	119	5.0	mg/Kg wet	125		94.9	82.4-116.8	1.78	30	
Barium	595	5.0	mg/Kg wet	529		113	81.7-118.5	3.57	20	
Cadmium	43.6	0.50	mg/Kg wet	37.7		116	82.2-117.5	5.83	20	
Chromium	53.9	0.99	mg/Kg wet	58.3		92.5	82-118.2	0.566	30	
Lead	104	1.5	mg/Kg wet	111		93.3	82.3-117.1	1.05	30	
Selenium	232	9.9	mg/Kg wet	251		92.6	78.9-121.5	0.513	30	
Silver	27.5	0.99	mg/Kg wet	27.2		101	79-121	1.87	30	
Duplicate (B242954-DUP1)										
Source: 19J0330-02 Prepared: 10/11/19 Analyzed: 10/14/19										
Arsenic	1.65	2.0	mg/Kg dry		1.81			9.12	35	J
Barium	55.1	2.0	mg/Kg dry		53.5			3.01	35	
Cadmium	0.0953	0.20	mg/Kg dry		0.0842			12.3	35	J
Chromium	13.7	0.39	mg/Kg dry		13.8			0.911	35	
Lead	8.64	0.59	mg/Kg dry		8.72			0.920	35	
Selenium	ND	3.9	mg/Kg dry		ND			NC	35	
Silver	ND	0.39	mg/Kg dry		ND			NC	35	
MRL Check (B242954-MRL1)										
Prepared: 10/11/19 Analyzed: 10/14/19										
Lead	0.894	0.49	mg/Kg wet	0.987		90.5	80-120			
Matrix Spike (B242954-MS1)										
Source: 19J0330-02 Prepared: 10/11/19 Analyzed: 10/14/19										
Arsenic	34.1	2.0	mg/Kg dry	40.4	1.81	80.1	75-125			
Barium	85.5	2.0	mg/Kg dry	40.4	53.5	79.3	75-125			
Cadmium	34.0	0.20	mg/Kg dry	40.4	0.0842	83.9	75-125			
Chromium	47.6	0.40	mg/Kg dry	40.4	13.8	83.6	75-125			
Lead	40.9	0.61	mg/Kg dry	40.4	8.72	79.6	75-125			
Selenium	26.5	4.0	mg/Kg dry	40.4	ND	65.7 *	75-125			MS-07
Silver	36.4	0.40	mg/Kg dry	40.4	ND	90.2	75-125			

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B242991 - SW-846 7471										
Blank (B242991-BLK1) Prepared: 10/11/19 Analyzed: 10/12/19										
Mercury	ND	0.025	mg/Kg wet							
LCS (B242991-BS1) Prepared: 10/11/19 Analyzed: 10/12/19										
Mercury	2.74	0.38	mg/Kg wet	2.93		93.4	71.3-128.7			
LCS Dup (B242991-BSD1) Prepared: 10/11/19 Analyzed: 10/12/19										
Mercury	3.01	0.38	mg/Kg wet	2.93		103	71.3-128.7	9.56	20	
Duplicate (B242991-DUP1) Source: 19J0330-18 Prepared: 10/11/19 Analyzed: 10/12/19										
Mercury	0.0758	0.029	mg/Kg dry		0.0761			0.394	35	
Matrix Spike (B242991-MS1) Source: 19J0330-18 Prepared: 10/11/19 Analyzed: 10/12/19										
Mercury	0.489	0.029	mg/Kg dry	0.390	0.0761	106	75-125			
Batch B242992 - SW-846 7471										
Blank (B242992-BLK1) Prepared: 10/11/19 Analyzed: 10/12/19										
Mercury	ND	0.025	mg/Kg wet							
LCS (B242992-BS1) Prepared: 10/11/19 Analyzed: 10/12/19										
Mercury	3.08	0.39	mg/Kg wet	2.93		105	71.3-128.7			
LCS Dup (B242992-BSD1) Prepared: 10/11/19 Analyzed: 10/12/19										
Mercury	3.13	0.39	mg/Kg wet	2.93		107	71.3-128.7	1.61	20	
Batch B243002 - SW-846 3050B										
Blank (B243002-BLK1) Prepared: 10/11/19 Analyzed: 10/14/19										
Arsenic	ND	1.7	mg/Kg wet							
Barium	ND	1.7	mg/Kg wet							
Cadmium	ND	0.17	mg/Kg wet							
Chromium	ND	0.33	mg/Kg wet							
Lead	ND	0.50	mg/Kg wet							
Selenium	ND	3.3	mg/Kg wet							
Silver	ND	0.33	mg/Kg wet							
LCS (B243002-BS1) Prepared: 10/11/19 Analyzed: 10/14/19										
Arsenic	111	5.0	mg/Kg wet	125		88.6	82.4-116.8			
Barium	561	5.0	mg/Kg wet	529		106	81.7-118.5			
Cadmium	39.9	0.50	mg/Kg wet	37.7		106	82.2-117.5			
Chromium	50.7	1.0	mg/Kg wet	58.3		87.0	82-118.2			
Lead	96.8	1.5	mg/Kg wet	111		87.2	82.3-117.1			
Selenium	223	10	mg/Kg wet	251		88.9	78.9-121.5			
Silver	26.5	1.0	mg/Kg wet	27.2		97.5	79-121			

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B243002 - SW-846 3050B										
LCS Dup (B243002-BSD1)										
					Prepared: 10/11/19 Analyzed: 10/14/19					
Arsenic	114	4.8	mg/Kg wet	125		91.2	82.4-116.8	2.94	30	
Barium	553	4.8	mg/Kg wet	529		105	81.7-118.5	1.35	20	
Cadmium	38.6	0.48	mg/Kg wet	37.7		102	82.2-117.5	3.22	20	
Chromium	53.0	0.96	mg/Kg wet	58.3		90.9	82-118.2	4.34	30	
Lead	99.8	1.4	mg/Kg wet	111		89.9	82.3-117.1	3.03	30	
Selenium	226	9.6	mg/Kg wet	251		89.8	78.9-121.5	1.10	30	
Silver	27.7	0.96	mg/Kg wet	27.2		102	79-121	4.41	30	
Duplicate (B243002-DUP1)										
					Source: 19J0330-20 Prepared: 10/11/19 Analyzed: 10/14/19					
Arsenic	2.20	1.9	mg/Kg dry		2.30			4.26	35	
Barium	54.0	1.9	mg/Kg dry		56.0			3.68	35	
Cadmium	0.128	0.19	mg/Kg dry		0.133			3.65	35	J
Chromium	10.7	0.38	mg/Kg dry		10.5			2.26	35	
Lead	16.6	0.57	mg/Kg dry		17.0			2.24	35	
Selenium	ND	3.8	mg/Kg dry		ND			NC	35	
Silver	ND	0.38	mg/Kg dry		ND			NC	35	
MRL Check (B243002-MRL1)										
					Prepared: 10/11/19 Analyzed: 10/14/19					
Lead	0.490	0.48	mg/Kg wet	0.484		101	80-120			
Matrix Spike (B243002-MS1)										
					Source: 19J0330-20 Prepared: 10/11/19 Analyzed: 10/14/19					
Arsenic	19.2	1.9	mg/Kg dry	19.1	2.30	88.1	75-125			
Barium	72.0	1.9	mg/Kg dry	19.1	56.0	83.3	75-125			
Cadmium	17.9	0.19	mg/Kg dry	19.1	0.133	93.0	75-125			
Chromium	28.4	0.38	mg/Kg dry	19.1	10.5	93.6	75-125			
Lead	30.6	0.57	mg/Kg dry	19.1	17.0	71.3 *	75-125			MS-07
Selenium	12.3	3.8	mg/Kg dry	19.1	ND	64.5 *	75-125			MS-07
Silver	19.5	0.38	mg/Kg dry	19.1	ND	102	75-125			

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

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
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Batch B242994 - % Solids

Duplicate (B242994-DUP1)

Source: 19J0330-01

Prepared: 10/11/19 Analyzed: 10/12/19

% Solids	86.7		% Wt		82.8			4.56	20	
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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

BREAKDOWN REPORT

Lab Sample ID: S041445-PEM1 **Analyzed:** 10/14/2019

Column Number: 1
Analyte **% Breakdown**
4,4'-DDT [1] 3.62
Endrin [1] 2.65

Column Number: 2
Analyte **% Breakdown**
4,4'-DDT [2] 3.52
Endrin [2] 2.85

BREAKDOWN REPORT

Lab Sample ID: S041445-PEM2 **Analyzed:** 10/14/2019

Column Number: 1
Analyte **% Breakdown**
4,4'-DDT [1] 3.68
Endrin [1] 2.60

Column Number: 2
Analyte **% Breakdown**
4,4'-DDT [2] 3.67
Endrin [2] 2.95

BREAKDOWN REPORT

Lab Sample ID: S041445-PEM3 **Analyzed:** 10/15/2019

Column Number: 1
Analyte **% Breakdown**
4,4'-DDT [1] 3.54
Endrin [1] 2.67

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

BREAKDOWN REPORT

Lab Sample ID: S041445-PEM3 Analyzed: 10/15/2019

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	3.52
Endrin [2]	2.87

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

TP-6 (0-2')

SW-846 8082A

Lab Sample ID: 19J0330-10 Date(s) Analyzed: 10/14/2019 10/14/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.13	7.4

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS

SW-846 8151A

Lab Sample ID: B242514-BS1 Date(s) Analyzed: 10/09/2019 10/09/2019
 Instrument ID (1): ECD 8 Instrument ID (2): ECD 8
 GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-T	1	16.361	0.000	0.000	9.79	
	2	16.117	0.000	0.000	9.52	2.9
2,4,5-TP (Silvex)	1	15.732	0.000	0.000	11.2	
	2	15.266	0.000	0.000	9.35	16.2
2,4-D	1	13.874	0.000	0.000	97.1	
	2	13.516	0.000	0.000	95.4	1.7
2,4-DB	1	17.054	0.000	0.000	102	
	2	16.915	0.000	0.000	83.3	18.2
Dalapon	1	4.662	0.000	0.000	190	
	2	4.202	0.000	0.000	205	7.6
Dicamba	1	11.727	0.000	0.000	10.3	
	2	11.299	0.000	0.000	9.78	2.2
Dichloroprop	1	13.356	0.000	0.000	103	
	2	12.833	0.000	0.000	101	1.0
Dinoseb	1	17.683	0.000	0.000	11.2	
	2	17.139	0.000	0.000	11.2	1.8
MCPA	1	12.556	0.000	0.000	9930	
	2	12.137	0.000	0.000	8670	13.2
MCP P	1	12.222	0.000	0.000	11200	
	2	11.639	0.000	0.000	9050	19.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8151A

LCS Dup

Lab Sample ID: B242514-BSD1 Date(s) Analyzed: 10/09/2019 10/09/2019
 Instrument ID (1): ECD 8 Instrument ID (2): ECD 8
 GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-T	1	16.361	0.000	0.000	10.3	
	2	16.115	0.000	0.000	9.82	1.8
2,4,5-TP (Silvex)	1	15.732	0.000	0.000	11.7	
	2	15.264	0.000	0.000	9.82	20.0
2,4-D	1	13.870	0.000	0.000	101	
	2	13.514	0.000	0.000	99.9	0.1
2,4-DB	1	17.054	0.000	0.000	114	
	2	16.914	0.000	0.000	88.4	21.8
Dalapon	1	4.661	0.000	0.000	176	
	2	4.200	0.000	0.000	190	5.4
Dicamba	1	11.727	0.000	0.000	11.0	
	2	11.298	0.000	0.000	10.2	7.6
Dichloroprop	1	13.356	0.000	0.000	108	
	2	12.831	0.000	0.000	104	5.6
Dinoseb	1	17.684	0.000	0.000	10.9	
	2	17.138	0.000	0.000	10.6	3.7
MCPA	1	12.557	0.000	0.000	10300	
	2	12.136	0.000	0.000	8940	11.2
MCPD	1	12.221	0.000	0.000	12400	
	2	11.638	0.000	0.000	9350	24.8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8081B

Lab Sample ID: B242909-BS1 Date(s) Analyzed: 10/14/2019 10/14/2019

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.555	7.526	7.586	0.10	
	2	7.701	7.672	7.732	0.10	9.5
4,4'-DDE	1	7.100	7.071	7.131	0.11	
	2	7.252	7.223	7.283	0.11	0.0
4,4'-DDT	1	7.774	7.744	7.804	0.11	
	2	7.947	7.917	7.977	0.10	9.5
Alachlor	1	6.513	6.484	6.544	0.097	
	2	6.381	6.352	6.412	0.090	7.5
Aldrin	1	6.422	6.394	6.454	0.10	
	2	6.464	6.436	6.496	0.10	0.0
alpha-BHC	1	5.670	5.641	5.701	0.10	
	2	5.695	5.666	5.726	0.10	0.0
alpha-Chlordane	1	7.049	7.020	7.080	0.10	
	2	7.128	7.099	7.159	0.10	0.0
beta-BHC	1	5.936	5.907	5.967	0.10	
	2	5.984	5.954	6.014	0.091	9.4
delta-BHC	1	6.060	6.032	6.092	0.10	
	2	6.187	6.158	6.218	0.10	0.0
Dieldrin	1	7.334	7.305	7.365	0.11	
	2	7.380	7.352	7.412	0.099	10.5
Endosulfan I	1	7.154	7.125	7.185	0.097	
	2	7.172	7.143	7.203	0.087	10.9
Endosulfan II	1	7.686	7.656	7.716	0.099	
	2	7.781	7.752	7.812	0.096	3.1
Endosulfan Sulfate	1	8.308	8.278	8.338	0.11	
	2	8.233	8.205	8.265	0.096	13.6
Endrin	1	7.514	7.484	7.544	0.099	
	2	7.617	7.588	7.648	0.095	4.1
Endrin Aldehyde	1	8.007	7.977	8.037	0.099	
	2	8.039	8.010	8.070	0.093	6.3
Endrin Ketone	1	8.488	8.458	8.518	0.10	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8081B

Lab Sample ID: B242909-BS1 Date(s) Analyzed: 10/14/2019 10/14/2019

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
	2	8.577	8.548	8.608	0.098	2.0
gamma-BHC (Lindane)	1	5.881	5.852	5.912	0.10	
	2	5.931	5.902	5.962	0.11	9.5
gamma-Chlordane	1	6.951	6.922	6.982	0.10	
	2	7.018	6.989	7.049	0.10	0.0
Heptachlor	1	6.209	6.180	6.240	0.099	
	2	6.235	6.206	6.266	0.10	1.0
Heptachlor Epoxide	1	6.860	6.831	6.891	0.10	
	2	6.878	6.849	6.909	0.097	3.1
Hexachlorobenzene	1	5.558	5.529	5.589	0.10	
	2	5.603	5.574	5.634	0.10	0.0
Methoxychlor	1	8.130	8.101	8.161	0.11	
	2	8.421	8.393	8.453	0.11	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

SW-846 8081B

Lab Sample ID: B242909-BSD1 Date(s) Analyzed: 10/14/2019 10/14/2019

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.556	7.526	7.586	0.10	
	2	7.702	7.672	7.732	0.10	0.0
4,4'-DDE	1	7.101	7.071	7.131	0.11	
	2	7.253	7.223	7.283	0.10	9.5
4,4'-DDT	1	7.774	7.744	7.804	0.11	
	2	7.947	7.917	7.977	0.10	9.5
Alachlor	1	6.514	6.484	6.544	0.096	
	2	6.381	6.352	6.412	0.088	8.7
Aldrin	1	6.424	6.394	6.454	0.10	
	2	6.465	6.436	6.496	0.099	1.0
alpha-BHC	1	5.670	5.641	5.701	0.099	
	2	5.695	5.666	5.726	0.10	1.0
alpha-Chlordane	1	7.050	7.020	7.080	0.10	
	2	7.129	7.099	7.159	0.099	1.0
beta-BHC	1	5.937	5.907	5.967	0.10	
	2	5.984	5.954	6.014	0.092	8.3
delta-BHC	1	6.061	6.032	6.092	0.097	
	2	6.188	6.158	6.218	0.099	2.0
Dieldrin	1	7.336	7.305	7.365	0.10	
	2	7.382	7.352	7.412	0.097	3.1
Endosulfan I	1	7.155	7.125	7.185	0.095	
	2	7.173	7.143	7.203	0.079	18.4
Endosulfan II	1	7.686	7.656	7.716	0.097	
	2	7.783	7.752	7.812	0.094	3.1
Endosulfan Sulfate	1	8.309	8.278	8.338	0.10	
	2	8.234	8.205	8.265	0.093	7.3
Endrin	1	7.514	7.484	7.544	0.096	
	2	7.618	7.588	7.648	0.094	2.1
Endrin Aldehyde	1	8.007	7.977	8.037	0.096	
	2	8.040	8.010	8.070	0.092	5.3
Endrin Ketone	1	8.488	8.458	8.518	0.10	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

SW-846 8081B

Lab Sample ID: B242909-BSD1 Date(s) Analyzed: 10/14/2019 10/14/2019

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
	2	8.578	8.548	8.608	0.095	5.1
gamma-BHC (Lindane)	1	5.882	5.852	5.912	0.10	
	2	5.932	5.902	5.962	0.10	0.0
gamma-Chlordane	1	6.952	6.922	6.982	0.10	
	2	7.019	6.989	7.049	0.10	0.0
Heptachlor	1	6.210	6.180	6.240	0.097	
	2	6.236	6.206	6.266	0.099	2.0
Heptachlor Epoxide	1	6.861	6.831	6.891	0.099	
	2	6.880	6.849	6.909	0.095	4.1
Hexachlorobenzene	1	5.558	5.529	5.589	0.099	
	2	5.603	5.574	5.634	0.099	0.0
Methoxychlor	1	8.131	8.101	8.161	0.11	
	2	8.422	8.393	8.453	0.11	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B242912-BS1 Date(s) Analyzed: 10/14/2019 10/14/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.17	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.16	6.5

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B242912-BSD1 Date(s) Analyzed: 10/14/2019 10/14/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.16	6.5
Aroclor-1260	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.15	6.9

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike

SW-846 8082A

Lab Sample ID: B242912-MS1 Date(s) Analyzed: 10/14/2019 10/14/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.24	
	2	0.000	-0.030	0.030	0.22	8.7
Aroclor-1260	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.21	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike Dup

SW-846 8082A

Lab Sample ID: B242912-MSD1 Date(s) Analyzed: 10/14/2019 10/14/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.22	4.4
Aroclor-1260	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.20	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B243005-BS1 Date(s) Analyzed: 10/15/2019 10/15/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.18	11.8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B243005-BSD1 Date(s) Analyzed: 10/15/2019 10/15/2019

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.17	6.1

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
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant 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.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
PR-15	According to the NY ELAP program, all voa results less than 0.2mg/Kg are estimated and biased low if not collected according to SW-846 5035-L/5035A-L.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
S-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 verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-20	Continuing calibration verification (CCV) 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-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6010D in Soil	
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
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
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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8081B in Soil	
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
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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8081B in Water</i>	
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
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1262	NY,NC,VA,PA
Aroclor-1262 [2C]	NY,NC,VA,PA
Aroclor-1268	NY,NC,VA,PA
Aroclor-1268 [2C]	NY,NC,VA,PA
<i>SW-846 8151A in Soil</i>	
2,4-D	NY,ME,NC,NH,VA,CT
2,4-D [2C]	NY,ME,NC,NH,VA,CT
2,4-DB	NY,ME,NC,NH,VA,CT
2,4-DB [2C]	NY,ME,NC,NH,VA,CT
2,4,5-TP (Silvex)	NY,ME,NC,NH,VA,CT
2,4,5-TP (Silvex) [2C]	NY,ME,NC,NH,VA,CT
2,4,5-T	NY,ME,NC,NH,VA,CT
2,4,5-T [2C]	NY,ME,NC,NH,VA,CT
Dalapon	NY,ME,NC,NH,VA,CT
Dalapon [2C]	NY,ME,NC,NH,VA,CT
Dicamba	NY,ME,NC,NH,VA,CT
Dicamba [2C]	NY,ME,NC,NH,VA,CT
Dichloroprop	NY,ME,NC,NH,VA,CT
Dichloroprop [2C]	NY,ME,NC,NH,VA,CT
Dinoseb	NY,ME,NC,NH,VA,CT
Dinoseb [2C]	NY,ME,NC,NH,VA,CT
MCPA	NY,ME,NC,NH,VA,CT
MCPA [2C]	NY,ME,NC,NH,VA,CT
MCPP	NY,ME,NC,NH,VA,CT

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8151A in Soil	
MCPP [2C]	NY,ME,NC,NH,VA,CT
SW-846 8151A in Water	
2,4-D	ME,NC,NH,CT,NY,VA
2,4-D [2C]	ME,NC,NH,CT,NY,VA
2,4-DB	ME,NC,NH,CT,NY,VA
2,4-DB [2C]	ME,NC,NH,CT,NY,VA
2,4,5-TP (Silvex)	ME,NC,NH,CT,NY,VA
2,4,5-TP (Silvex) [2C]	ME,NC,NH,CT,NY,VA
2,4,5-T	ME,NC,NH,CT,NY,VA
2,4,5-T [2C]	ME,NC,NH,CT,NY,VA
Dalapon	ME,NC,NH,CT,NY,VA
Dalapon [2C]	ME,NC,NH,CT,NY,VA
Dicamba	ME,NC,NH,CT,NY,VA
Dicamba [2C]	ME,NC,NH,CT,NY,VA
Dichloroprop	ME,NC,NH,CT,NY,VA
Dichloroprop [2C]	ME,NC,NH,CT,NY,VA
Dinoseb	ME,NC,NH,CT,NY,VA
Dinoseb [2C]	ME,NC,NH,CT,NY,VA
MCPA	NC,CT
MCPA [2C]	NC,CT
MCPP	NC,CT
MCPP [2C]	NC,CT
SW-846 8260C-D in Soil	
Acetone	CT,NH,NY,ME,VA
Acrylonitrile	CT,NH,NY,ME,VA
Benzene	CT,NH,NY,ME,VA
Bromobenzene	NH,NY,ME,VA
Bromochloromethane	NH,NY,ME,VA
Bromodichloromethane	CT,NH,NY,ME,VA
Bromoform	CT,NH,NY,ME,VA
Bromomethane	CT,NH,NY,ME,VA
2-Butanone (MEK)	CT,NH,NY,ME,VA
tert-Butyl Alcohol (TBA)	NY
n-Butylbenzene	CT,NH,NY,ME,VA
sec-Butylbenzene	CT,NH,NY,ME,VA
tert-Butylbenzene	CT,NH,NY,ME,VA
Carbon Disulfide	CT,NH,NY,ME,VA
Carbon Tetrachloride	CT,NH,NY,ME,VA
Chlorobenzene	CT,NH,NY,ME,VA
Chlorodibromomethane	CT,NH,NY,ME,VA
Chloroethane	CT,NH,NY,ME,VA
Chloroform	CT,NH,NY,ME,VA
Chloromethane	CT,NH,NY,ME,VA
2-Chlorotoluene	CT,NH,NY,ME,VA
4-Chlorotoluene	CT,NH,NY,ME,VA
1,2-Dibromo-3-chloropropane (DBCP)	NY

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C-D in Soil</i>	
Dibromomethane	NH,NY,ME,VA
1,2-Dichlorobenzene	CT,NH,NY,ME,VA
1,3-Dichlorobenzene	CT,NH,NY,ME,VA
1,4-Dichlorobenzene	CT,NH,NY,ME,VA
trans-1,4-Dichloro-2-butene	NY
Dichlorodifluoromethane (Freon 12)	NH,NY,ME,VA
1,1-Dichloroethane	CT,NH,NY,ME,VA
1,2-Dichloroethane	CT,NH,NY,ME,VA
1,1-Dichloroethylene	CT,NH,NY,ME,VA
cis-1,2-Dichloroethylene	CT,NH,NY,ME,VA
trans-1,2-Dichloroethylene	CT,NH,NY,ME,VA
1,2-Dichloropropane	CT,NH,NY,ME,VA
1,3-Dichloropropane	NH,NY,ME,VA
2,2-Dichloropropane	NH,NY,ME,VA
1,1-Dichloropropene	NH,NY,ME,VA
cis-1,3-Dichloropropene	CT,NH,NY,ME,VA
trans-1,3-Dichloropropene	CT,NH,NY,ME,VA
1,4-Dioxane	NY
Ethylbenzene	CT,NH,NY,ME,VA
Hexachlorobutadiene	NH,NY,ME,VA
2-Hexanone (MBK)	CT,NH,NY,ME,VA
Isopropylbenzene (Cumene)	CT,NH,NY,ME,VA
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl Acetate	NY
Methyl tert-Butyl Ether (MTBE)	NY,VA
Methyl Cyclohexane	NY
Methylene Chloride	CT,NH,NY,ME,VA
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,VA
Naphthalene	NH,NY,ME,VA
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME,VA
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME,VA
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME,VA
Tetrachloroethylene	CT,NH,NY,ME,VA
Toluene	CT,NH,NY,ME,VA
1,2,3-Trichlorobenzene	NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME,VA
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,NH,NY,ME,VA
1,1,2-Trichloroethane	CT,NH,NY,ME,VA
Trichloroethylene	CT,NH,NY,ME,VA
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME,VA
1,2,3-Trichloropropane	NH,NY,ME,VA
1,2,4-Trimethylbenzene	CT,NH,NY,ME,VA
1,3,5-Trimethylbenzene	CT,NH,NY,ME,VA
Vinyl Chloride	CT,NH,NY,ME,VA
m+p Xylene	CT,NH,NY,ME,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C-D in Soil</i>	
o-Xylene	CT,NH,NY,ME,VA
<i>SW-846 8270D in Soil</i>	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Acetophenone	NY,NH,ME,NC,VA
Aniline	NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzidine	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Benzoic Acid	NY,NH,ME,NC,VA
Bis(2-chloroethoxy)methane	CT,NY,NH,ME,NC,VA
Bis(2-chloroethyl)ether	CT,NY,NH,ME,NC,VA
Bis(2-chloroisopropyl)ether	CT,NY,NH,ME,NC,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NH,ME,NC,VA
4-Bromophenylphenylether	CT,NY,NH,ME,NC,VA
Butylbenzylphthalate	CT,NY,NH,ME,NC,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NH,ME,NC,VA
4-Chloro-3-methylphenol	CT,NY,NH,ME,NC,VA
2-Chloronaphthalene	CT,NY,NH,NC,VA
2-Chlorophenol	CT,NY,NH,ME,NC,VA
4-Chlorophenylphenylether	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Dibenzofuran	CT,NY,NH,ME,NC,VA
Di-n-butylphthalate	CT,NY,NH,ME,NC,VA
1,2-Dichlorobenzene	NY,NH,ME,NC,VA
1,3-Dichlorobenzene	NY,NH,ME,NC,VA
1,4-Dichlorobenzene	NY,NH,ME,NC,VA
3,3-Dichlorobenzidine	CT,NY,NH,ME,NC,VA
2,4-Dichlorophenol	CT,NY,NH,ME,NC,VA
Diethylphthalate	CT,NY,NH,ME,NC,VA
2,4-Dimethylphenol	CT,NY,NH,ME,NC,VA
Dimethylphthalate	CT,NY,NH,ME,NC,VA
4,6-Dinitro-2-methylphenol	CT,NY,NH,ME,NC,VA
2,4-Dinitrophenol	CT,NY,NH,ME,NC,VA
2,4-Dinitrotoluene	CT,NY,NH,ME,NC,VA
2,6-Dinitrotoluene	CT,NY,NH,ME,NC,VA
Di-n-octylphthalate	CT,NY,NH,ME,NC,VA
1,2-Diphenylhydrazine/Azobenzene	NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	NY,NH,ME,NC,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Soil</i>	
Hexachlorobenzene	CT,NY,NH,ME,NC,VA
Hexachlorobutadiene	CT,NY,NH,ME,NC,VA
Hexachlorocyclopentadiene	CT,NY,NH,ME,NC,VA
Hexachloroethane	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
Isophorone	CT,NY,NH,ME,NC,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
2-Methylphenol	CT,NY,NH,ME,NC,VA
3/4-Methylphenol	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
2-Nitroaniline	CT,NY,NH,ME,NC,VA
3-Nitroaniline	CT,NY,NH,ME,NC,VA
4-Nitroaniline	CT,NY,NH,ME,NC,VA
Nitrobenzene	CT,NY,NH,ME,NC,VA
2-Nitrophenol	CT,NY,NH,ME,NC,VA
4-Nitrophenol	CT,NY,NH,ME,NC,VA
N-Nitrosodimethylamine	CT,NY,NH,ME,NC,VA
N-Nitrosodi-n-propylamine	CT,NY,NH,ME,NC,VA
Pentachloronitrobenzene	NY,NC
Pentachlorophenol	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Phenol	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA
Pyridine	CT,NY,NH,ME,NC,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NH,ME,NC,VA
2,4,5-Trichlorophenol	CT,NY,NH,ME,NC,VA
2,4,6-Trichlorophenol	CT,NY,NH,ME,NC,VA
2-Fluorophenol	NC
<i>SW-846 8270D in Water</i>	
Acenaphthene	CT,NY,NC,ME,NH,VA
Acenaphthylene	CT,NY,NC,ME,NH,VA
Acetophenone	NY,NC
Aniline	CT,NY,NC,ME,VA
Anthracene	CT,NY,NC,ME,NH,VA
Benzidine	CT,NY,NC,ME,NH,VA
Benzo(a)anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)pyrene	CT,NY,NC,ME,NH,VA
Benzo(b)fluoranthene	CT,NY,NC,ME,NH,VA
Benzo(g,h,i)perylene	CT,NY,NC,ME,NH,VA
Benzo(k)fluoranthene	CT,NY,NC,ME,NH,VA
Benzoic Acid	NY,NC,ME,NH,VA
Bis(2-chloroethoxy)methane	CT,NY,NC,ME,NH,VA
Bis(2-chloroethyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-chloroisopropyl)ether	CT,NY,NC,ME,NH,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Water</i>	
Bis(2-Ethylhexyl)phthalate	CT,NY,NC,ME,NH,VA
4-Bromophenylphenylether	CT,NY,NC,ME,NH,VA
Butylbenzylphthalate	CT,NY,NC,ME,NH,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NC,ME,NH,VA
4-Chloro-3-methylphenol	CT,NY,NC,ME,NH,VA
2-Chloronaphthalene	CT,NY,NC,ME,NH,VA
2-Chlorophenol	CT,NY,NC,ME,NH,VA
4-Chlorophenylphenylether	CT,NY,NC,ME,NH,VA
Chrysene	CT,NY,NC,ME,NH,VA
Dibenz(a,h)anthracene	CT,NY,NC,ME,NH,VA
Dibenzofuran	CT,NY,NC,ME,NH,VA
Di-n-butylphthalate	CT,NY,NC,ME,NH,VA
1,2-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,3-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,4-Dichlorobenzene	CT,NY,NC,ME,NH,VA
3,3-Dichlorobenzidine	CT,NY,NC,ME,NH,VA
2,4-Dichlorophenol	CT,NY,NC,ME,NH,VA
Diethylphthalate	CT,NY,NC,ME,NH,VA
2,4-Dimethylphenol	CT,NY,NC,ME,NH,VA
Dimethylphthalate	CT,NY,NC,ME,NH,VA
4,6-Dinitro-2-methylphenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrophenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrotoluene	CT,NY,NC,ME,NH,VA
2,6-Dinitrotoluene	CT,NY,NC,ME,NH,VA
Di-n-octylphthalate	CT,NY,NC,ME,NH,VA
1,2-Diphenylhydrazine/Azobenzene	NY,NC
Fluoranthene	CT,NY,NC,ME,NH,VA
Fluorene	NY,NC,ME,NH,VA
Hexachlorobenzene	CT,NY,NC,ME,NH,VA
Hexachlorobutadiene	CT,NY,NC,ME,NH,VA
Hexachlorocyclopentadiene	CT,NY,NC,ME,NH,VA
Hexachloroethane	CT,NY,NC,ME,NH,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NC,ME,NH,VA
Isophorone	CT,NY,NC,ME,NH,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NC,ME,NH,VA
2-Methylphenol	CT,NY,NC,NH,VA
3/4-Methylphenol	CT,NY,NC,NH,VA
Naphthalene	CT,NY,NC,ME,NH,VA
2-Nitroaniline	CT,NY,NC,ME,NH,VA
3-Nitroaniline	CT,NY,NC,ME,NH,VA
4-Nitroaniline	CT,NY,NC,ME,NH,VA
Nitrobenzene	CT,NY,NC,ME,NH,VA
2-Nitrophenol	CT,NY,NC,ME,NH,VA
4-Nitrophenol	CT,NY,NC,ME,NH,VA
N-Nitrosodimethylamine	CT,NY,NC,ME,NH,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Water</i>	
N-Nitrosodi-n-propylamine	CT,NY,NC,ME,NH,VA
Pentachloronitrobenzene	NC
Pentachlorophenol	CT,NY,NC,ME,NH,VA
Phenanthrene	CT,NY,NC,ME,NH,VA
Phenol	CT,NY,NC,ME,NH,VA
Pyrene	CT,NY,NC,ME,NH,VA
Pyridine	CT,NY,NC,ME,NH,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NC,ME,NH,VA
2,4,5-Trichlorophenol	CT,NY,NC,ME,NH,VA
2,4,6-Trichlorophenol	CT,NY,NC,ME,NH,VA
2-Fluorophenol	NC

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2020
CT	Connecticut Department of Public Health	PH-0567	09/30/2021
NY	New York State Department of Health	10899 NELAP	04/1/2020
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2020
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2020
FL	Florida Department of Health	E871027 NELAP	06/30/2020
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2020
ME	State of Maine	2011028	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2020
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2020
NC-DW	North Carolina Department of Health	25703	07/31/2020
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2020



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MEK

CHAIN OF CUSTODY RECORD (New York)

39 Spruce Street
 East Longmeadow, MA 01028

Page 1 of 7

Company Name: WINNERS OF ALBANY, NY
 Address: (S.B) 403-4400
 Phone: THOMPSONS MILK
 Project Name: NZ180042
 Project Location: SARAH ROSEFANO
 Project Number: SARAH ROSEFANO
 Project Manager: EMILY GARRETT
 Con-Test Quote Name/Number:
 Invoice Recipient:
 Sampled By: EMILY GARRETT

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	DUP 1	10/3/19	10:35		✓	SOL	
2	TP3 (10')	10/3/19	2:25		✓	S	
3	TP-3 (0-2')	10/3/19	1:55		✓	S	
4	TP-4 (0-2')	10/3/19	3:10		✓	S	
5	TP-4 (9-10')	10/3/19	3:50		✓	S	
6	TP-9 (0-2')	10/3/19	9:45		✓	S	
7	TP-5 (0-2')	10/3/19	11:30		✓	S	
8	TP-10 (0-2')	10/3/19	9:20		✓	S	
1	DUP-1	10/3/19	10:35		✓	S	
6	TP-9 (0-2')	10/3/19	9:45		✓	S	

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) Emily Garrett Date/Time: 10/15/19 11:25
 Received by: (signature) [Signature] Date/Time: 10/19 8:15 AM
 Relinquished by: (signature) [Signature] Date/Time: 10/19 11:55 AM
 Received by: (signature) [Signature] Date/Time: 10/19 11:55 AM
 Relinquished by: (signature) [Signature] Date/Time: 10/19 16:40
 Received by: (signature) [Signature] Date/Time: 10/19 16:40
 Relinquished by: (signature) [Signature] Date/Time: 10/19 16:40
 Received by: (signature) [Signature] Date/Time: 10/19 16:40

Program & Regulatory Information
 AWQ STDS NY TOGS
 NYC Sewer Discharge NY CP-51
 Part 360 GW (Landfill)
 NY Restricted Use
 NY Unrestricted Use
 NY Part 375

Enhanced Data Package
 NYSDEC EQ/IS EDD
 EQ/IS (Standard) EDD
 NY Regulatory EDD
 NY Regs Hits-Only EDD

Other: CATLAB/12/18

Project Entity
 Government Municipality MWRA WRTA
 Federal 21 J School Chromatogram
 City Brownfield MBTA AIHA-LAP, LLC

ANALYSIS REQUESTED

VOLs - 8260	✓						
SVOLs - 8270	✓						
PCBS - 8082A	✓						
PCAB - 8010C	✓						
HQ - 7470A	✓						
HQ - 837	✓						
PCB - 8081	✓						
ASBESTOS - 600	✓						

of Containers: _____
 Preservation Code: _____
 Container Code: _____

Disolved Metals Samples
 Field Filtered
 Lab to Filter

Ortho Phosphate Samples
 Field Filtered
 Lab to Filter

Matrix Codes:
 GW = Ground Water
 WW = Waste Water
 DW = Drinking Water
 A = Air
 S = Soil
 SL = Sludge
 SOL = Solid
 O = Other (please define)

Preservation Codes:
 I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium Bisulfate
 X = Sodium Hydroxide
 T = Sodium Thiosulfate
 O = Other (please define)

Container Codes:
 A = Amber Glass
 G = Glass
 P = Plastic
 ST = Sterile
 V = Vial
 S = Summa Canister
 T = Tedlar Bag
 O = Other (please define)

PCB ONLY
 Soxhlet
 Non Soxhlet



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CHAIN OF CUSTODY RECORD (New York)

39 Spruce Street
 East Longmeadow, MA 01028

Doc # 380 Rev 1_03242017

Page 2 of 7

Company Name: [Redacted]
Address: 1 Winners Circle, Suite 130, Albany NY
Phone: 518 416 3440
Project Name: [Redacted]
Project Location: Thompson's Mill
Project Number: N 2180047
Project Manager: Susan DesStefano
Con-Test Quote Name/Number: [Redacted]
Invoice Recipient: Susan DesStefano
Sampled By: Emily Garberis

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
9	TP-7 (8')	10/2/19	4:40	MA	✓	S	
10	TP-6 (6-2')	10/3/19	8:10		✓	S	
11	TP-9 (10')	10/3/19	10:35		✓	S	
12	TP-10 (5-6')	10/2/19	10:00		✓	S	
13	TP-12 (0-2')	10/2/19	1:30		✓	S	
14	TP-11 (10')	10/2/19	11:50		✓	S	
15	TP-11 (0-2')	10/2/19	11:10		✓	S	
16	DUP-2	10/5/19	11:30		✓	S	
17	TP-5 (9-10')	10/3/19	12:20		✓	S	
18	TP-8 (0-2')	10/2/19	2:55		✓	S	

Requested Turnaround Time: 7-Day 10-Day
Due Date: [Redacted]
Rush-Approval Required: 1-Day 3-Day
 2-Day 4-Day
Data Delivery: EXCEL
 Other: PDF
 CLP Like Data Pkg Required:
 Email To: [Redacted]
 Fax To #: [Redacted]

Relinquished by (signature): Emily Berlin
Date/Time: 10/3/19 6:25
Received by (signature): [Redacted]
Date/Time: 10-4-19 8:15 AM
Relinquished by (signature): [Redacted]
Date/Time: 10-4-19 11:35 AM
Received by (signature): [Redacted]
Date/Time: 10/4/19 11:55
Relinquished by (signature): [Redacted]
Date/Time: 10/4/19 16:40
Received by (signature): [Redacted]
Date/Time: 10/04/19 26 16:40

Project Entry: Government Municipality MWRA WRTA Other
 Federal 21 J School AIHA-LAP, LLC
 City Brownfield MBTA

Deliverables:
 Enhanced Data Package
 NYSDEC EQUIS EDD
 EQUIS (Standard) EDD
 NY Regulatory EDD
 NY Regs Hits-Only EDD
Category B Package: MELAG and AIHA-LAP, LLC Accredited

1 Matrix Codes:
 GW = Ground Water
 WW = Waste Water
 DW = Drinking Water
 A = Air
 S = Soil
 SL = Sludge
 SOL = Solid
 O = Other (please define)

2 Preservation Codes:
 I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium Bisulfate
 X = Sodium Hydroxide
 T = Sodium Thiosulfate
 O = Other (please define)

3 Container Codes:
 A = Amber Glass
 G = Glass
 P = Plastic
 ST = Sterile
 V = Vial
 S = Summa Canister
 T = Tedlar Bag
 O = Other (please define)

PCB ONLY:
 Soxhlet
 Non Soxhlet

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
 H - High, M - Medium, L - Low, C - Clean, U - Unknown



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 Fax: 413-525-6405
 Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD (New York)

39 Spruce Street
 East Longmeadow, MA 01028

Page 3 of 7

Doc # 380 Rev 1_03242017

Company Name: WINNIS CATAL SUITE 130, ALBANY NY
Address: 515 4th St 4400
Project Name: Thompsons Mill
Project Location: Thompsons Mill
Project Number: N2180042
Project Manager: Sarah Destefano
Con-Test Quote Name/Number:
Invoice Recipient: Sarah Destefano
Sampled By: Emily Carbone's

Requested Turnaround Time: 7-Day 10-Day
Due Date:
Rush-Approval Required: 1-Day 3-Day 2-Day 4-Day
Data Delivery: PDF EXCEL
Other:
 CLP Like Data Pkg Required:
 Email To:
 Fax To #:

Con-Test Work-Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
19	TP-8(10')	10/24/19	3:20		✓	S	
20	TP-6(10')	10/3/19	8:50		✓	S	
21	TP-12(10')	10/2/19	1:55		✓	S	
22	TP-7(0-2')	10/2/19	4:05		✓	S	
11	TP-9(10')	10/3/19	10:35		✓	S	
3	TP-3(0-2')	10/3/19	1:55		✓	S	
6	TP-9(0-2')	10/3/19	9:40		✓	S	
5	TP-4(9-10')	10/3/19	3:50		✓	S	
21	TP-12(10')	10/2/19	11:55		✓	S	
4	TP-4(0-2')	10/3/19	3:10		✓	S	

ANALYSIS REQUESTED

PCBs - 8270 ✓
 VOCs - 8260 ✓
 PCBS - 8082A ✓
 RPA8 - 6010C ✓
 Hg - 7470A ✓
 HCD - 8151 ✓
 PEA - 8081 ✓
 Lead TCLP - 609 ✓
 HSPDS - 600 ✓

Matrix Codes:
 GW = Ground Water
 WW = Wastewater
 DW = Drinking Water
 A = Air
 S = Soil
 SL = Sludge
 SOL = Solid
 O = Other (please define)

Preservation Codes:
 I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium Bisulfate
 X = Sodium Hydroxide
 T = Sodium Thiosulfate
 O = Other (please define)

Container Codes:
 A = Amber Glass
 G = Glass
 P = Plastic
 ST = Sterile
 V = Vial
 S = Summa Canister
 T = Tedlar Bag
 O = Other (please define)

PCB ONLY
 Soxhlet
 Non Soxhlet

Enhanced Data Package
 NY SDEC EQuIS EDD
 EQuIS (Standard) EDD
 NY Regulatory EDD
 NY Regs Hits-Only EDD

Other: Chromatogram
 AIHA-LAP, LLC

Project Entity: Government Municipality City
 Federal 21 J Brownfield
 MWRA School MBTA

Regulatory Information:
 AWQ STDS
 NYC Sewer Discharge
 Part 360 GW (Landfill)
 NY Restricted Use
 NY Unrestricted Use
 NY Part 375

Comments:
 Please use the following codes to indicate possible sample concentration within the Conc Code column above:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: Sarah Destefano
Received by: Sarah Destefano
Relinquished Date/Time: 10/3/19 6:25
Received Date/Time: 10/4/19 8:05 AM
Relinquished by: Sarah Destefano
Received by: Sarah Destefano
Relinquished Date/Time: 10/4/19 11:55 AM
Received Date/Time: 10/4/19 1:55
Relinquished by: Sarah Destefano
Received by: Sarah Destefano
Relinquished Date/Time: 10/4/19 10:40
Received Date/Time: 10/4/19 10:40



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CHAIN OF CUSTODY RECORD (New York)

39 Spruce Street
 East Longmeadow, MA 01028

Page 4 of 7

Company Name: IWINNERS Circle State 130 Albany NY
Address: 518 463 4400
Project Name: Thompsons Mill
Project Location: Thompsons Mill
Project Number: N2180042
Project Manager: Sarah DeStefano
Con-Test Quote Name/Number:
Invoice Recipient: Sarah DeStefano
Sampled By: Emily Garberis

Requested Turnaround Time: 7-Day 10-Day
Due Date:
Rush Approval Required: 1-Day 3-Day 2-Day 4-Day
Data Delivery: PDF EXCEL
Other:
 CLP Like Data Pkg Required:
 Email To:
 Fax To #:

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
2	TP-3(10')	10/3/19	2:20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	
12	TP-10(5-6')	10/2/19	10:00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	
11	TP-9(10')	10/3/19	10:35	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	
6	TP-9(0-2')	10/3/19	9:45	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	
12	TP-10(5-6')	10/2/19	10:00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	
8	TP-10(0-2')	10/2/19	9:20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	
11	TP-9(10')	10/3/19	10:35	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	
17	TP-5(9'-10')	10/3/19	12:20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	
18	TP-8(0-2')	10/2/19	2:05	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	
11	TP-9(10')	10/3/19	10:35	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	

ANALYSIS REQUESTED

1 Matrix Codes:
 GW = Ground Water
 WW = Waste Water
 DW = Drinking Water
 A = Air
 S = Soil
 SL = Sludge
 SOL = Solid
 O = Other (please define)

2 Preservation Codes:
 I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium Bisulfate
 X = Sodium Hydroxide
 T = Sodium Thiosulfate
 O = Other (please define)

3 Container Codes:
 A = Amber-Glass
 G = Glass
 P = Plastic
 ST = Sterile
 V = Vial
 S = Summa Canister
 T = Tedlar Bag
 O = Other (please define)

PCB ONLY
 Soxhlet
 Non Soxhlet

Deliverables:
 Enhanced Data Package
 NYSDEC EQUIS EDD
 EQUIS (Standard) EDD
 NY Regulatory EDD
 NY Regs Hits-Only EDD

Category B Package
 Other: NELAC and AIHA-LAP, LLC Accredited

Program & Regulatory Information:
 AWQ STDS
 NYC Sewer Discharge
 Part 360 GW (Landfill)
 NY Restricted Use
 NY Unrestricted Use
 NY Part 375

Project Entity:
 Government
 Federal
 City
 Municipality
 21 J
 Brownfield
 MWRA
 School
 MBTA
 WRTA
 Chromatogram
 AIHA-LAP, LLC

Comments:
 Please use the following codes to indicate possible sample concentration within the Conc Code column above:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by (signature): Emily DeStefano
Date/Time: 10/3/19 6:25
Received by (signature): [Signature]
Date/Time: 10-4-19 8:15 AM
Relinquished by (signature): [Signature]
Date/Time: 10-4-19 11:55 AM
Received by (signature): [Signature]
Date/Time: 10/4/19 11:52
Relinquished by (signature): [Signature]
Date/Time: 10/4/19 16:40
Received by (signature): [Signature]
Date/Time: 10/4/19 16:40
Relinquished by (signature): [Signature]
Date/Time: 10/4/19 16:40



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Page 5 of 7

1 # of Containers
 2 Preservation Code **I**
 3 Container Code **A**

Dissolved Metals Samples
 Field Filtered
 Lab to Filter

Orthophosphate Samples
 Field Filtered
 Lab to Filter

1 Matrix Codes:
 GW = Ground Water
 WW = Waste Water
 DW = Drinking Water
 A = Air
 S = Soil
 SL = Sludge
 SOL = Solid
 O = Other (please define)

2 Preservation Codes:
 I = Iced
 H = HCl
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium Bisulfate
 X = Sodium Hydroxide
 T = Sodium Trisulfate
 O = Other (please define)

3 Container Codes:
 A = Amber Glass
 G = Glass
 P = Plastic
 ST = Sterile
 V = Vial
 S = Summa Canister
 T = Tedlar Bag
 O = Other (please define)

Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1 DUP-1	10/3/19	10:35		✓	S	
1 DUP-1	10/3/19	10:35		✓	S	
19 TP-11(08)	10/2/19	11:50		✓	S	
19 TP-8(10)	10/2/19	3:20		✓	S	
20 TP-6(10)	10/3/19	8:50		✓	S	
6 TP-9(0-2)	10/3/19	9:45		✓	S	
10 TP-6(0-2)	10/3/19	8:10		✓	S	
9 TP-7(8)	10/2/19	4:40		✓	S	
7 TP-5(0-2)	10/3/19	11:30		✓	S	
22 TP-7(0-2)	10/2/19	4:05		✓	S	

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Requested Turnaround Time
 7-Day
 10-Day

Rush-Approval Required
 1-Day
 3-Day
 4-Day

Data Delivery
 EXCEL
 PDF

Other: CLP Like Data Pkg Required.
 Email To:
 Fax To #:

Program & Regulatory Information
 AWQ STDS
 NYC Sewer Discharge
 Part 360 GW (Landfill)
 NY Restricted Use
 NY Unrestricted Use
 NY Part 375

Deliverables
 Enhanced Data Package
 NYSDEC EQUIS EDD
 EQUIS (Standard) EDD
 NY Regulatory EDD
 NY Regs Hits-Only EDD

Category B Package
 Other
 MELAC and ALPHA
 TOC Accredited

Project Entry
 Government
 Federal
 City
 Municipality
 21 J
 Brownfield
 MWRA
 School
 MBTA
 WRTA
 Chromatogram
 AIHA-LAP, LLC

PCB ONLY
 Soxhlet
 Non Soxhlet

Relinquished by: (signature) *Emily Garbentis* Date/Time: 10/3/19 6:25
 Received by: (signature) Date/Time: 10-4-19 8:15 Am
 Relinquished by: (signature) Date/Time: 10-4-19 1:53 Am
 Received by: (signature) Date/Time: 10/4/19 11:54
 Relinquished by: (signature) Date/Time: 10/4/19 16:40
 Received by: (signature) Date/Time: 10/4/19 16:40



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 Fax: 413-525-6405
 Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD (New York)

39 Spruce Street
 East Longmeadow, MA 01028

Page 6 of 7

Company Name: [Redacted]
Address: 1 Winners Circle Suite 130 Albany NY
Phone: [Redacted]
Project Name: [Redacted]
Project Location: Thompsons Mill
Project Number: N2186042
Project Manager: Sarah Pestefano
Con-Test Quote Name/Number: Sarah Pestefano
Invoice Recipient: Sarah Pestefano
Sampled By: Emily Carbenis

Requested Turnaround Time: 7-Day 10-Day
Due Date: [Redacted]

Rush-Approval Required: 1-Day 3-Day
 2-Day 4-Day

Data Delivery: PDF EXCEL
 Other: [Redacted]

CLP Like Data Pkg Required:
Email To: [Redacted]
Fax To #: [Redacted]

Con-Test Work Order#	Client Sample ID / Description	Beginning Date / Time	Ending Date / Time	Composite	Grab	Matrix Code	Conc Code
16	DUP 2	10/31/19	11:30	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	
8	TP-10 (0-2)	10/2/19	9:20	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	
15	TP-11 (0-2)	10/2/19	11:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	
13	TP-12 (0-2)	10/2/19	1:30	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	O	

ANALYSIS REQUESTED

1 Matrix Codes:
 GW = Ground Water
 WW = Waste Water
 DW = Drinking Water
 A = Air
 S = Soil
 SL = Sludge
 SOL = Solid
 O = Other (please define)

2 Preservation Codes:
 J = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium Bisulfate
 X = Sodium Hydroxide
 T = Sodium Thiosulfate
 O = Other (please define)

3 Container Codes:
 A = Amber Glass
 G = Glass
 P = Plastic
 ST = Sterile
 V = Vial
 S = Summa Canister
 T = Tadiar Bag
 O = Other (please define)

Deliverables:
 Enhanced Data Package
 NYSDEC EQUIS EDD
 EQUIS (Standard) EDD
 NY Regulatory EDD
 NY Regs Hits-Only EDD

Other: Category B Package
 MELAC and ALPHA-MAT, LLC Accredited

Program & Regulatory Information:
 AWQ STDS NY TOGS
 NYC Sewer Discharge NY CP-51
 Part 360 GW (Landfill)
 NY Restricted Use
 NY Unrestricted Use
 NY Part 375

Project Entity:
 Government Municipality MWRA WRTA
 Federal 21 J School
 City Brownfield MBTA

Other: Chromatogram AIHA-LAP, LLC

PCB ONLY:
 Soxhlet Non Soxhlet

Comments:
 Please use the following codes to indicate possible sample concentration within the Conc Code column above:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by (Signature): Emily Carbenis Date/Time: 10/3/19 6:25
Received by (Signature): [Redacted] Date/Time: 10/4/19 8:45 AM
Relinquished by (Signature): [Redacted] Date/Time: 10/4/19 11:55 AM
Received by (Signature): [Redacted] Date/Time: 10/4/19 11:59
Relinquished by (Signature): [Redacted] Date/Time: 10/4/19 16:40
Received by (Signature): [Redacted] Date/Time: 10/10/19 16:48

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples _____



con-test
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Dick Weston + Sampson

Received By CR Date 10/04/19 Time 1640

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp -2.12.6
 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
 Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T
 Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? _____
 Are there Rushes? F Who was notified? _____
 Are there Short Holds? F Who was notified? _____

Is there enough Volume? T
 Is there Headspace where applicable? N/A MS/MSD? F
 Proper Media/Containers Used? T Is splitting samples required? F
 Were trip blanks received? F On COC? F
 Do all samples have the proper pH? Acid N/A Base N/A

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear <u>25</u>
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear <u>29</u>
Bisulfate-		Flashpoint		Col./Bacteria	2oz Amb/Clear
DI-		Other Glass		Other Plastic	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:

* Client name on sample labels

October 16, 2019

Cailyn Locci
Weston & Sampson - Albany, NY
1 Winners Circle, Suite 130
Albany, NY 12205

Project Location: Thompson's Mill
Client Job Number:
Project Number: N2180061
Laboratory Work Order Number: 19J0393

Enclosed are results of analyses for samples received by the laboratory on October 4, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive style with a large, flowing "y" at the end.

Meghan E. Kelley
Project Manager

Table of Contents

Sample Summary	4
Case Narrative	5
Sample Results	9
19J0393-01	9
19J0393-02	18
19J0393-03	27
Sample Preparation Information	36
QC Data	38
Volatile Organic Compounds by GC/MS	38
B242450	38
B242520	43
Semivolatile Organic Compounds by GC/MS	48
B242999	48
B243130	52
Polychlorinated Biphenyls with 3540 Soxhlet Extraction	58
B242417	58
Metals Analyses (Total)	59
B242992	59
B243002	59
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	60
B242513	60
TCLP - Metals Analyses	61
B242764	61
Dual Column RPD Report	62
Flag/Qualifier Summary	64

Table of Contents (continued)

Certifications	65
Chain of Custody/Sample Receipt	73

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

Weston & Sampson - Albany, NY
 1 Winners Circle, Suite 130
 Albany, NY 12205
 ATTN: Cailyn Locci

REPORT DATE: 10/16/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: N2180061

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19J0393

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Thompson's Mill

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TP-2 (0-2')	19J0393-01	Soil		ELAP 198.1 EPA/600/R-93/116 SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260C SW-846 8270D	
TP-1 (0-2')	19J0393-02	Soil		ELAP 198.1 EPA/600/R-93/116 SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260C-D SW-846 8270D	
TP-1 (4-5')	19J0393-03	Soil		ELAP 198.1 EPA/600/R-93/116 SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260C-D SW-846 8270D	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332
SW-846 8260C

Qualifications:**PR-03**

Sample preserved in the laboratory, not in the field as required by the method.

Analyte & Samples(s) Qualified:

19J0393-01[TP-2 (0-2')]

PR-15

According to the NY ELAP program, all voa results less than 0.2mg/Kg are estimated and biased low if not collected according to SW-846 5035-L/5035A-L.

Analyte & Samples(s) Qualified:

19J0393-01[TP-2 (0-2')]

V-20

Continuing calibration verification (CCV) 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:**Bromomethane**

B242450-BS1, B242450-BSD1, S041216-CCV1

Chloromethane

B242450-BS1, B242450-BSD1, S041216-CCV1

SW-846 8260C-D

Qualifications:**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.

Analyte & Samples(s) Qualified:**1,1,1,2-Tetrachloroethane**

B242520-BS1

PR-15

According to the NY ELAP program, all voa results less than 0.2mg/Kg are estimated and biased low if not collected according to SW-846 5035-L/5035A-L.

Analyte & Samples(s) Qualified:

19J0393-02[TP-1 (0-2')], 19J0393-03[TP-1 (4-5')]

R-05

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:**1,3,5-Trimethylbenzene**

19J0393-02[TP-1 (0-2')], 19J0393-03[TP-1 (4-5')], B242520-BLK1, B242520-BS1, B242520-BSD1

V-20

Continuing calibration verification (CCV) 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:**1,2-Dibromoethane (EDB)**

B242520-BS1, B242520-BSD1, S041203-CCV1

cis-1,3-Dichloropropene

B242520-BS1, B242520-BSD1, S041203-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:**Bromomethane**

19J0393-02[TP-1 (0-2')], 19J0393-03[TP-1 (4-5')], B242520-BLK1, B242520-BS1, B242520-BSD1, S041203-CCV1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:**Acetone**

B242520-BS1, B242520-BSD1, S041203-CCV1

SW-846 8270D**Qualifications:****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.

Analyte & Samples(s) Qualified:**Benzidine**

B243130-BS1, B243130-BSD1

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.

Analyte & Samples(s) Qualified:**2,4-Dinitrophenol**

19J0393-01RE1[TP-2 (0-2')], B243130-BLK1, B243130-BS1, B243130-BSD1

Benzoic Acid

19J0393-01RE1[TP-2 (0-2')], B243130-BLK1, B243130-BS1, B243130-BSD1

Hexachlorocyclopentadiene

19J0393-01RE1[TP-2 (0-2')], B243130-BLK1, B243130-BS1, B243130-BSD1

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.

Analyte & Samples(s) Qualified:**Pyridine**

B243130-BSD1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:**Hexachlorocyclopentadiene**

19J0393-01RE1[TP-2 (0-2')], 19J0393-02[TP-1 (0-2')], 19J0393-03[TP-1 (4-5')], B242999-BLK1, B242999-BS1, B242999-BSD1, B243130-BLK1, B243130-BS1, B243130-BSD1, S041402-CCV1, S041444-CCV1

Pyridine

19J0393-02[TP-1 (0-2')], 19J0393-03[TP-1 (4-5')], B242999-BLK1, B242999-BS1, B242999-BSD1, S041402-CCV1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:**4-Nitrophenol**

B242999-BS1, B242999-BSD1, B243130-BS1, B243130-BSD1

V-20

Continuing calibration verification (CCV) 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-Nitrophenol**

19J0393-01RE1[TP-2 (0-2')], 19J0393-02[TP-1 (0-2')], 19J0393-03[TP-1 (4-5')], B242999-BLK1, B243130-BLK1, S041402-CCV1, S041444-CCV1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:**Benzidine**

19J0393-01RE1[TP-2 (0-2')], 19J0393-02[TP-1 (0-2')], 19J0393-03[TP-1 (4-5')], B242999-BLK1, B242999-BS1, B242999-BSD1, B243130-BLK1, B243130-BS1, B243130-BSD1, S041402-CCV1, S041444-CCV1

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.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington", is written over a light gray rectangular background.

Lisa A. Worthington
Technical Representative

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-2 (0-2')

Sampled: 10/4/2019 08:10

Sample ID: 19J0393-01

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	9.0	0.68	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Acrylonitrile	ND	0.90	0.094	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.090	0.025	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Benzene	0.041	0.18	0.032	mg/Kg dry	1	J	SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Bromobenzene	ND	0.18	0.027	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Bromochloromethane	ND	0.18	0.058	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Bromodichloromethane	ND	0.18	0.029	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Bromoform	ND	0.18	0.083	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Bromomethane	ND	0.36	0.14	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
2-Butanone (MEK)	ND	3.6	0.35	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
tert-Butyl Alcohol (TBA)	ND	3.6	0.75	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
n-Butylbenzene	ND	0.18	0.038	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
sec-Butylbenzene	ND	0.18	0.029	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
tert-Butylbenzene	ND	0.18	0.031	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.090	0.029	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Carbon Disulfide	ND	0.90	0.80	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Carbon Tetrachloride	ND	0.18	0.020	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Chlorobenzene	ND	0.18	0.027	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Chlorodibromomethane	ND	0.090	0.038	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Chloroethane	ND	0.36	0.063	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Chloroform	ND	0.36	0.031	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Chloromethane	ND	0.36	0.081	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
2-Chlorotoluene	ND	0.18	0.022	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
4-Chlorotoluene	ND	0.18	0.025	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.90	0.096	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,2-Dibromoethane (EDB)	ND	0.090	0.034	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Dibromomethane	ND	0.18	0.067	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,2-Dichlorobenzene	ND	0.18	0.029	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,3-Dichlorobenzene	ND	0.18	0.022	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,4-Dichlorobenzene	ND	0.18	0.023	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
trans-1,4-Dichloro-2-butene	ND	0.36	0.056	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.36	0.047	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,1-Dichloroethane	ND	0.18	0.029	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,2-Dichloroethane	ND	0.18	0.074	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,1-Dichloroethylene	ND	0.18	0.058	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
cis-1,2-Dichloroethylene	ND	0.18	0.023	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
trans-1,2-Dichloroethylene	ND	0.18	0.056	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,2-Dichloropropane	ND	0.18	0.036	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,3-Dichloropropane	ND	0.090	0.020	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
2,2-Dichloropropane	ND	0.18	0.036	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,1-Dichloropropene	ND	0.36	0.029	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
cis-1,3-Dichloropropene	ND	0.090	0.023	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
trans-1,3-Dichloropropene	ND	0.090	0.041	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Diethyl Ether	ND	0.36	0.061	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-2 (0-2')

Sampled: 10/4/2019 08:10

Sample ID: 19J0393-01

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.090	0.031	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,4-Dioxane	ND	9.0	4.1	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Ethylbenzene	ND	0.18	0.023	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Hexachlorobutadiene	ND	0.18	0.085	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
2-Hexanone (MBK)	ND	1.8	0.27	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Isopropylbenzene (Cumene)	ND	0.18	0.031	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.18	0.036	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Methyl Acetate	ND	1.8	0.076	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.18	0.045	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Methyl Cyclohexane	ND	0.18	0.036	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Methylene Chloride	0.19	0.90	0.061	mg/Kg dry	1	J	SW-846 8260C	10/7/19	10/8/19 13:47	EEH
4-Methyl-2-pentanone (MIBK)	ND	1.8	0.30	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Naphthalene	ND	0.36	0.056	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
n-Propylbenzene	ND	0.18	0.023	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Styrene	ND	0.18	0.020	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,1,1,2-Tetrachloroethane	ND	0.18	0.049	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,1,2,2-Tetrachloroethane	ND	0.090	0.040	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Tetrachloroethylene	0.038	0.18	0.032	mg/Kg dry	1	J	SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Tetrahydrofuran	ND	1.8	0.092	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Toluene	0.029	0.18	0.025	mg/Kg dry	1	J	SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,2,3-Trichlorobenzene	ND	0.90	0.10	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,2,4-Trichlorobenzene	ND	0.18	0.072	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,3,5-Trichlorobenzene	ND	0.18	0.054	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,1,1-Trichloroethane	ND	0.18	0.036	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,1,2-Trichloroethane	ND	0.18	0.029	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Trichloroethylene	ND	0.18	0.043	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Trichlorofluoromethane (Freon 11)	ND	0.36	0.060	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,2,3-Trichloropropane	ND	0.36	0.045	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.18	0.058	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,2,4-Trimethylbenzene	ND	0.18	0.032	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,3,5-Trimethylbenzene	ND	0.18	0.025	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Vinyl Chloride	ND	0.36	0.081	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
m+p Xylene	ND	0.36	0.054	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
o-Xylene	ND	0.18	0.031	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		99.6	70-130						10/8/19 13:47	
Toluene-d8		99.2	70-130						10/8/19 13:47	
4-Bromofluorobenzene		97.0	70-130						10/8/19 13:47	

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-2 (0-2')

Sampled: 10/4/2019 08:10

Sample ID: 19J0393-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.36	0.19	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Acenaphthylene	ND	0.36	0.23	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Acetophenone	ND	0.73	0.28	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Aniline	ND	0.73	0.17	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Anthracene	ND	0.36	0.19	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Benzidine	ND	1.4	0.38	mg/Kg dry	1	V-35	SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Benzo(a)anthracene	ND	0.36	0.23	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Benzo(a)pyrene	ND	0.36	0.23	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Benzo(b)fluoranthene	ND	0.36	0.23	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Benzo(g,h,i)perylene	ND	0.36	0.21	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Benzo(k)fluoranthene	ND	0.36	0.23	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Benzoic Acid	ND	2.1	1.3	mg/Kg dry	1	L-04	SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Bis(2-chloroethoxy)methane	ND	0.73	0.30	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Bis(2-chloroethyl)ether	ND	0.73	0.36	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Bis(2-chloroisopropyl)ether	ND	0.73	0.49	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.73	0.21	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
4-Bromophenylphenylether	ND	0.73	0.21	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Butylbenzylphthalate	ND	0.73	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Carbazole	ND	0.36	0.19	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
4-Chloroaniline	ND	1.4	0.30	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
4-Chloro-3-methylphenol	ND	1.4	0.30	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2-Chloronaphthalene	ND	0.73	0.21	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2-Chlorophenol	ND	0.73	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
4-Chlorophenylphenylether	ND	0.73	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Chrysene	ND	0.36	0.23	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Dibenz(a,h)anthracene	ND	0.36	0.21	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Dibenzofuran	ND	0.73	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Di-n-butylphthalate	ND	0.73	0.21	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
1,2-Dichlorobenzene	ND	0.73	0.21	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
1,3-Dichlorobenzene	ND	0.73	0.21	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
1,4-Dichlorobenzene	ND	0.73	0.19	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
3,3-Dichlorobenzidine	ND	0.36	0.28	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2,4-Dichlorophenol	ND	0.73	0.21	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Diethylphthalate	ND	0.73	0.30	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2,4-Dimethylphenol	ND	0.73	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Dimethylphthalate	ND	0.73	0.28	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
4,6-Dinitro-2-methylphenol	ND	0.73	0.64	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2,4-Dinitrophenol	ND	1.4	0.98	mg/Kg dry	1	L-04	SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2,4-Dinitrotoluene	ND	0.73	0.34	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2,6-Dinitrotoluene	ND	0.73	0.34	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Di-n-octylphthalate	ND	0.73	0.32	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	0.73	0.21	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Fluoranthene	ND	0.36	0.21	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Fluorene	ND	0.36	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-2 (0-2')

Sampled: 10/4/2019 08:10

Sample ID: 19J0393-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.73	0.19	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Hexachlorobutadiene	ND	0.73	0.28	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Hexachlorocyclopentadiene	ND	0.73	0.60	mg/Kg dry	1	L-04, V-05	SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Hexachloroethane	ND	0.73	0.23	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Indeno(1,2,3-cd)pyrene	ND	0.36	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Isophorone	ND	0.73	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
1-Methylnaphthalene	ND	0.36	0.19	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2-Methylnaphthalene	ND	0.36	0.23	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2-Methylphenol	ND	0.73	0.28	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
3/4-Methylphenol	ND	0.73	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Naphthalene	ND	0.36	0.23	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2-Nitroaniline	ND	0.73	0.43	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
3-Nitroaniline	ND	0.73	0.30	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
4-Nitroaniline	ND	0.73	0.28	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Nitrobenzene	ND	0.73	0.30	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2-Nitrophenol	ND	0.73	0.30	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
4-Nitrophenol	ND	1.4	0.51	mg/Kg dry	1	V-20	SW-846 8270D	10/14/19	10/15/19 9:52	BGL
N-Nitrosodimethylamine	ND	0.73	0.38	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.73	0.21	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
N-Nitrosodi-n-propylamine	ND	0.73	0.32	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Pentachloronitrobenzene	ND	0.73	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Pentachlorophenol	ND	0.73	0.49	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Phenanthrene	ND	0.36	0.19	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Phenol	ND	0.73	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Pyrene	ND	0.36	0.23	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Pyridine	ND	0.73	0.21	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.73	0.28	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
1,2,4-Trichlorobenzene	ND	0.73	0.23	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2,4,5-Trichlorophenol	ND	0.73	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2,4,6-Trichlorophenol	ND	0.73	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	51.6	30-130	10/15/19 9:52
Phenol-d6	60.6	30-130	10/15/19 9:52
Nitrobenzene-d5	67.5	30-130	10/15/19 9:52
2-Fluorobiphenyl	72.0	30-130	10/15/19 9:52
2,4,6-Tribromophenol	58.5	30-130	10/15/19 9:52
p-Terphenyl-d14	73.9	30-130	10/15/19 9:52

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-2 (0-2')

Sampled: 10/4/2019 08:10

Sample ID: 19J0393-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.16	0.073	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:16	WAL
Aroclor-1221 [1]	ND	0.16	0.12	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:16	WAL
Aroclor-1232 [1]	ND	0.16	0.15	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:16	WAL
Aroclor-1242 [1]	ND	0.16	0.12	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:16	WAL
Aroclor-1248 [1]	ND	0.16	0.057	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:16	WAL
Aroclor-1254 [1]	ND	0.16	0.065	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:16	WAL
Aroclor-1260 [1]	ND	0.16	0.089	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:16	WAL
Aroclor-1262 [1]	ND	0.16	0.081	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:16	WAL
Aroclor-1268 [1]	ND	0.16	0.13	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:16	WAL
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		61.6	30-150						10/9/19 21:16	
Decachlorobiphenyl [2]		77.3	30-150						10/9/19 21:16	
Tetrachloro-m-xylene [1]		70.9	30-150						10/9/19 21:16	
Tetrachloro-m-xylene [2]		75.1	30-150						10/9/19 21:16	

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-2 (0-2')

Sampled: 10/4/2019 08:10

Sample ID: 19J0393-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	4.1	3.4	0.66	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:03	TBC/MJH
Barium	130	3.4	0.73	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:03	TBC/MJH
Cadmium	0.52	0.34	0.12	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:03	TBC/MJH
Chromium	12	0.68	0.49	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:03	TBC/MJH
Lead	390	1.0	0.42	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:03	TBC/MJH
Mercury	0.064	0.051	0.015	mg/Kg dry	1		SW-846 7471B	10/11/19	10/12/19 13:01	AJL
Selenium	ND	6.8	3.3	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:03	TBC/MJH
Silver	ND	0.68	0.30	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:03	TBC/MJH

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-2 (0-2')

Sampled: 10/4/2019 08:10

Sample ID: 19J0393-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	46.7		% Wt	1		SM 2540G	10/8/19	10/8/19 9:08	MJR

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-2 (0-2')

Sampled: 10/4/2019 08:10

Sample ID: 19J0393-01

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	ND	0.10	mg/L	1		SW-846 6010D	10/9/19	10/10/19 20:22	MJH

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-2 (0-2')

Sampled: 10/4/2019 08:10

Sample ID: 19J0393-01

Sample Matrix: Soil

Inorganic Analyses - Asbestos

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Asbestos - Chrysotile	<1		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Amosite	<1		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Crocidolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Actinolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Tremolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Anthophyllite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Fiberglass	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Mineral Wool	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Cellulose	<2		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Hair	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Synthetic	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Other Non-asbestos	<1		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Non-Fibrous Minerals	98		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Binder/Filler	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Organic Material	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Gypsum	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (0-2')

Sampled: 10/4/2019 08:40

Sample ID: 19J0393-02

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.22	0.019	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Acrylonitrile	ND	0.013	0.0022	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Benzene	ND	0.0044	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Bromobenzene	ND	0.0044	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Bromochloromethane	ND	0.0089	0.0018	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Bromodichloromethane	ND	0.0044	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Bromoform	ND	0.0089	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Bromomethane	ND	0.022	0.0024	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
2-Butanone (MEK)	ND	0.089	0.012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
tert-Butyl Alcohol (TBA)	ND	0.089	0.010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
n-Butylbenzene	ND	0.0044	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
sec-Butylbenzene	ND	0.0044	0.0018	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
tert-Butylbenzene	ND	0.0044	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0022	0.00044	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Carbon Disulfide	ND	0.013	0.012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Carbon Tetrachloride	ND	0.0044	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Chlorobenzene	ND	0.0044	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Chlorodibromomethane	ND	0.0044	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Chloroethane	ND	0.044	0.0018	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Chloroform	ND	0.0089	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Chloromethane	ND	0.022	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
2-Chlorotoluene	ND	0.0044	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
4-Chlorotoluene	ND	0.0044	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0044	0.0022	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,2-Dibromoethane (EDB)	ND	0.0022	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Dibromomethane	ND	0.0044	0.0018	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,2-Dichlorobenzene	ND	0.0044	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,3-Dichlorobenzene	ND	0.0044	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,4-Dichlorobenzene	ND	0.0044	0.0018	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
trans-1,4-Dichloro-2-butene	ND	0.0089	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.044	0.0024	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,1-Dichloroethane	ND	0.0044	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,2-Dichloroethane	ND	0.0044	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,1-Dichloroethylene	ND	0.0089	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
cis-1,2-Dichloroethylene	ND	0.0044	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
trans-1,2-Dichloroethylene	ND	0.0044	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,2-Dichloropropane	ND	0.0044	0.0018	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,3-Dichloropropane	ND	0.0022	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
2,2-Dichloropropane	ND	0.0044	0.0018	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,1-Dichloropropene	ND	0.0089	0.0018	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
cis-1,3-Dichloropropene	ND	0.0022	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
trans-1,3-Dichloropropene	ND	0.0022	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Diethyl Ether	ND	0.044	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (0-2')

Sampled: 10/4/2019 08:40

Sample ID: 19J0393-02

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0022	0.00044	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,4-Dioxane	ND	0.22	0.012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Ethylbenzene	ND	0.0044	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Hexachlorobutadiene	ND	0.0044	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
2-Hexanone (MBK)	ND	0.044	0.0044	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Isopropylbenzene (Cumene)	ND	0.0044	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0044	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Methyl Acetate	ND	0.0044	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0089	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Methyl Cyclohexane	ND	0.0044	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Methylene Chloride	ND	0.044	0.0022	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.044	0.0056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Naphthalene	ND	0.0089	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
n-Propylbenzene	ND	0.0044	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Styrene	ND	0.0044	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,1,1,2-Tetrachloroethane	ND	0.0044	0.0022	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,1,2,2-Tetrachloroethane	ND	0.0022	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Tetrachloroethylene	ND	0.0044	0.0027	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Tetrahydrofuran	ND	0.022	0.0024	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Toluene	ND	0.0044	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,2,3-Trichlorobenzene	ND	0.0044	0.0022	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,2,4-Trichlorobenzene	ND	0.0044	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,3,5-Trichlorobenzene	ND	0.0044	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,1,1-Trichloroethane	ND	0.0044	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,1,2-Trichloroethane	ND	0.0044	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Trichloroethylene	ND	0.0044	0.0018	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Trichlorofluoromethane (Freon 11)	ND	0.022	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,2,3-Trichloropropane	ND	0.0089	0.0018	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.022	0.0018	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,2,4-Trimethylbenzene	ND	0.0044	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,3,5-Trimethylbenzene	ND	0.0044	0.0011	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Vinyl Chloride	ND	0.022	0.0020	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
m+p Xylene	ND	0.0089	0.0022	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
o-Xylene	ND	0.0044	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		97.7	70-130						10/8/19 14:20	
Toluene-d8		86.6	70-130						10/8/19 14:20	
4-Bromofluorobenzene		104	70-130						10/8/19 14:20	

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (0-2')

Sampled: 10/4/2019 08:40

Sample ID: 19J0393-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.25	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Acenaphthylene	ND	0.25	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Acetophenone	ND	0.49	0.19	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Aniline	ND	0.49	0.12	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Anthracene	ND	0.25	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Benzidine	ND	0.96	0.26	mg/Kg dry	1	V-35	SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Benzo(a)anthracene	0.25	0.25	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Benzo(a)pyrene	0.23	0.25	0.16	mg/Kg dry	1	J	SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Benzo(b)fluoranthene	0.37	0.25	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Benzo(g,h,i)perylene	0.19	0.25	0.15	mg/Kg dry	1	J	SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Benzo(k)fluoranthene	ND	0.25	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Benzoic Acid	ND	1.5	0.86	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Bis(2-chloroethoxy)methane	ND	0.49	0.20	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Bis(2-chloroethyl)ether	ND	0.49	0.25	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Bis(2-chloroisopropyl)ether	ND	0.49	0.33	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.49	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
4-Bromophenylphenylether	ND	0.49	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Butylbenzylphthalate	ND	0.49	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Carbazole	ND	0.25	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
4-Chloroaniline	ND	0.96	0.20	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
4-Chloro-3-methylphenol	ND	0.96	0.20	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2-Chloronaphthalene	ND	0.49	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2-Chlorophenol	ND	0.49	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
4-Chlorophenylphenylether	ND	0.49	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Chrysene	0.32	0.25	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Dibenz(a,h)anthracene	ND	0.25	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Dibenzofuran	ND	0.49	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Di-n-butylphthalate	ND	0.49	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
1,2-Dichlorobenzene	ND	0.49	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
1,3-Dichlorobenzene	ND	0.49	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
1,4-Dichlorobenzene	ND	0.49	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
3,3-Dichlorobenzidine	ND	0.25	0.19	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2,4-Dichlorophenol	ND	0.49	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Diethylphthalate	ND	0.49	0.20	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2,4-Dimethylphenol	ND	0.49	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Dimethylphthalate	ND	0.49	0.19	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
4,6-Dinitro-2-methylphenol	ND	0.49	0.44	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2,4-Dinitrophenol	ND	0.96	0.67	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2,4-Dinitrotoluene	ND	0.49	0.23	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2,6-Dinitrotoluene	ND	0.49	0.23	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Di-n-octylphthalate	ND	0.49	0.22	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.49	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Fluoranthene	0.49	0.25	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Fluorene	ND	0.25	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (0-2')

Sampled: 10/4/2019 08:40

Sample ID: 19J0393-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.49	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Hexachlorobutadiene	ND	0.49	0.19	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Hexachlorocyclopentadiene	ND	0.49	0.41	mg/Kg dry	1	V-05	SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Hexachloroethane	ND	0.49	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Indeno(1,2,3-cd)pyrene	0.21	0.25	0.17	mg/Kg dry	1	J	SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Isophorone	ND	0.49	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
1-Methylnaphthalene	ND	0.25	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2-Methylnaphthalene	ND	0.25	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2-Methylphenol	ND	0.49	0.19	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
3/4-Methylphenol	ND	0.49	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Naphthalene	ND	0.25	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2-Nitroaniline	ND	0.49	0.29	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
3-Nitroaniline	ND	0.49	0.20	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
4-Nitroaniline	ND	0.49	0.19	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Nitrobenzene	ND	0.49	0.20	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2-Nitrophenol	ND	0.49	0.20	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
4-Nitrophenol	ND	0.96	0.35	mg/Kg dry	1	V-20	SW-846 8270D	10/11/19	10/14/19 10:16	KLB
N-Nitrosodimethylamine	ND	0.49	0.26	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.49	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
N-Nitrosodi-n-propylamine	ND	0.49	0.22	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Pentachloronitrobenzene	ND	0.49	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Pentachlorophenol	ND	0.49	0.33	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Phenanthrene	0.20	0.25	0.13	mg/Kg dry	1	J	SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Phenol	ND	0.49	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Pyrene	0.58	0.25	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Pyridine	ND	0.49	0.15	mg/Kg dry	1	V-05	SW-846 8270D	10/11/19	10/14/19 10:16	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.49	0.19	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
1,2,4-Trichlorobenzene	ND	0.49	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2,4,5-Trichlorophenol	ND	0.49	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2,4,6-Trichlorophenol	ND	0.49	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	68.1	30-130	
Phenol-d6	72.1	30-130	
Nitrobenzene-d5	74.0	30-130	
2-Fluorobiphenyl	79.2	30-130	
2,4,6-Tribromophenol	96.5	30-130	
p-Terphenyl-d14	107	30-130	

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (0-2')

Sampled: 10/4/2019 08:40

Sample ID: 19J0393-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	0.049	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:33	WAL
Aroclor-1221 [1]	ND	0.11	0.081	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:33	WAL
Aroclor-1232 [1]	ND	0.11	0.097	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:33	WAL
Aroclor-1242 [1]	ND	0.11	0.081	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:33	WAL
Aroclor-1248 [1]	ND	0.11	0.038	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:33	WAL
Aroclor-1254 [1]	ND	0.11	0.043	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:33	WAL
Aroclor-1260 [1]	ND	0.11	0.059	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:33	WAL
Aroclor-1262 [1]	ND	0.11	0.054	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:33	WAL
Aroclor-1268 [1]	ND	0.11	0.086	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:33	WAL
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		76.3	30-150						10/9/19 21:33	
Decachlorobiphenyl [2]		91.9	30-150						10/9/19 21:33	
Tetrachloro-m-xylene [1]		81.0	30-150						10/9/19 21:33	
Tetrachloro-m-xylene [2]		81.4	30-150						10/9/19 21:33	

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (0-2')

Sampled: 10/4/2019 08:40

Sample ID: 19J0393-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
								Prepared	Analyzed	
Arsenic	ND	2.5	0.48	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:08	TBC/MJH
Barium	400	2.5	0.53	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:08	TBC/MJH
Cadmium	ND	0.25	0.089	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:08	TBC/MJH
Chromium	72	0.50	0.36	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:08	TBC/MJH
Lead	3300	0.75	0.30	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:08	TBC/MJH
Mercury	0.44	0.037	0.011	mg/Kg dry	1		SW-846 7471B	10/11/19	10/12/19 13:02	AJL
Selenium	ND	5.0	2.4	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:08	TBC/MJH
Silver	ND	0.50	0.22	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:08	TBC/MJH

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Sampled: 10/4/2019 08:40

Field Sample #: TP-1 (0-2')

Sample ID: 19J0393-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	68.5		% Wt	1		SM 2540G	10/8/19	10/8/19 9:09	MJR

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (0-2')

Sampled: 10/4/2019 08:40

Sample ID: 19J0393-02

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	ND	0.10	mg/L	1		SW-846 6010D	10/9/19	10/10/19 20:30	MJH

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (0-2')

Sampled: 10/4/2019 08:40

Sample ID: 19J0393-02

Sample Matrix: Soil

Inorganic Analyses - Asbestos

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Asbestos - Chrysotile	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Amosite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Crocidolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Actinolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Tremolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Anthophyllite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Fiberglass	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Mineral Wool	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Cellulose	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Hair	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Synthetic	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Other Non-asbestos	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Non-Fibrous Minerals	100		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Binder/Filler	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Organic Material	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Gypsum	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (4-5')

Sampled: 10/4/2019 09:25

Sample ID: 19J0393-03

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.14	0.012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Acrylonitrile	ND	0.0083	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0014	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Benzene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Bromobenzene	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Bromochloromethane	ND	0.0055	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Bromodichloromethane	ND	0.0028	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Bromoform	ND	0.0055	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Bromomethane	ND	0.014	0.0015	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
2-Butanone (MEK)	ND	0.055	0.0076	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
tert-Butyl Alcohol (TBA)	ND	0.055	0.0062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
n-Butylbenzene	ND	0.0028	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
sec-Butylbenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
tert-Butylbenzene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0014	0.00028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Carbon Disulfide	ND	0.0083	0.0075	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Carbon Tetrachloride	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Chlorobenzene	ND	0.0028	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Chlorodibromomethane	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Chloroethane	ND	0.028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Chloroform	ND	0.0055	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Chloromethane	ND	0.014	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
2-Chlorotoluene	ND	0.0028	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
4-Chlorotoluene	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Dibromomethane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,2-Dichlorobenzene	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,3-Dichlorobenzene	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,4-Dichlorobenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
trans-1,4-Dichloro-2-butene	ND	0.0055	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.028	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,1-Dichloroethane	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,2-Dichloroethane	ND	0.0028	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,1-Dichloroethylene	ND	0.0055	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
cis-1,2-Dichloroethylene	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
trans-1,2-Dichloroethylene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,2-Dichloropropane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,3-Dichloropropane	ND	0.0014	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
2,2-Dichloropropane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,1-Dichloropropene	ND	0.0055	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
cis-1,3-Dichloropropene	ND	0.0014	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
trans-1,3-Dichloropropene	ND	0.0014	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Diethyl Ether	ND	0.028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (4-5')

Sampled: 10/4/2019 09:25

Sample ID: 19J0393-03

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0014	0.00028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,4-Dioxane	ND	0.14	0.0073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Ethylbenzene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Hexachlorobutadiene	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
2-Hexanone (MBK)	ND	0.028	0.0028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Isopropylbenzene (Cumene)	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0028	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Methyl Acetate	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0055	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Methyl Cyclohexane	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Methylene Chloride	0.0058	0.028	0.0014	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.028	0.0035	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Naphthalene	ND	0.0055	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
n-Propylbenzene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Styrene	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,1,1,2-Tetrachloroethane	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,1,2,2-Tetrachloroethane	ND	0.0014	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Tetrachloroethylene	ND	0.0028	0.0017	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Tetrahydrofuran	ND	0.014	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Toluene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,2,3-Trichlorobenzene	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,2,4-Trichlorobenzene	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,3,5-Trichlorobenzene	ND	0.0028	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,1,1-Trichloroethane	ND	0.0028	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,1,2-Trichloroethane	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Trichloroethylene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Trichlorofluoromethane (Freon 11)	ND	0.014	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,2,3-Trichloropropane	ND	0.0055	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.014	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,2,4-Trimethylbenzene	ND	0.0028	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,3,5-Trimethylbenzene	ND	0.0028	0.00069	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Vinyl Chloride	ND	0.014	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
m+p Xylene	ND	0.0055	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
o-Xylene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		96.8	70-130						10/8/19 14:47	
Toluene-d8		118	70-130						10/8/19 14:47	
4-Bromofluorobenzene		104	70-130						10/8/19 14:47	

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Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (4-5')

Sampled: 10/4/2019 09:25

Sample ID: 19J0393-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Acenaphthylene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Acetophenone	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Aniline	ND	0.39	0.092	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Anthracene	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Benzidine	ND	0.76	0.21	mg/Kg dry	1	V-35	SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Benzo(a)anthracene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Benzo(a)pyrene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Benzo(b)fluoranthene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Benzo(g,h,i)perylene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Benzo(k)fluoranthene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Benzoic Acid	ND	1.1	0.68	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Bis(2-chloroethoxy)methane	ND	0.39	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Bis(2-chloroethyl)ether	ND	0.39	0.20	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Bis(2-chloroisopropyl)ether	ND	0.39	0.26	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.39	0.11	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
4-Bromophenylphenylether	ND	0.39	0.11	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Butylbenzylphthalate	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Carbazole	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
4-Chloroaniline	ND	0.76	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
4-Chloro-3-methylphenol	ND	0.76	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2-Chloronaphthalene	ND	0.39	0.11	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2-Chlorophenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
4-Chlorophenylphenylether	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Chrysene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Dibenz(a,h)anthracene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Dibenzofuran	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Di-n-butylphthalate	ND	0.39	0.11	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
1,2-Dichlorobenzene	ND	0.39	0.11	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
1,3-Dichlorobenzene	ND	0.39	0.11	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
1,4-Dichlorobenzene	ND	0.39	0.10	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
3,3-Dichlorobenzidine	ND	0.20	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2,4-Dichlorophenol	ND	0.39	0.11	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Diethylphthalate	ND	0.39	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2,4-Dimethylphenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Dimethylphthalate	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
4,6-Dinitro-2-methylphenol	ND	0.39	0.34	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2,4-Dinitrophenol	ND	0.76	0.53	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2,4-Dinitrotoluene	ND	0.39	0.18	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2,6-Dinitrotoluene	ND	0.39	0.18	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Di-n-octylphthalate	ND	0.39	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.39	0.11	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Fluoranthene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Fluorene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB

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Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (4-5')

Sampled: 10/4/2019 09:25

Sample ID: 19J0393-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.39	0.10	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Hexachlorobutadiene	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Hexachlorocyclopentadiene	ND	0.39	0.32	mg/Kg dry	1	V-05	SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Hexachloroethane	ND	0.39	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Indeno(1,2,3-cd)pyrene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Isophorone	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
1-Methylnaphthalene	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2-Methylnaphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2-Methylphenol	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
3/4-Methylphenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Naphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2-Nitroaniline	ND	0.39	0.23	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
3-Nitroaniline	ND	0.39	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
4-Nitroaniline	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Nitrobenzene	ND	0.39	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2-Nitrophenol	ND	0.39	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
4-Nitrophenol	ND	0.76	0.28	mg/Kg dry	1	V-20	SW-846 8270D	10/11/19	10/14/19 10:38	KLB
N-Nitrosodimethylamine	ND	0.39	0.21	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.39	0.11	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
N-Nitrosodi-n-propylamine	ND	0.39	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Pentachloronitrobenzene	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Pentachlorophenol	ND	0.39	0.26	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Phenanthrene	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Phenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Pyrene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Pyridine	ND	0.39	0.11	mg/Kg dry	1	V-05	SW-846 8270D	10/11/19	10/14/19 10:38	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
1,2,4-Trichlorobenzene	ND	0.39	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2,4,5-Trichlorophenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2,4,6-Trichlorophenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	65.8	30-130	10/14/19 10:38
Phenol-d6	68.3	30-130	10/14/19 10:38
Nitrobenzene-d5	69.3	30-130	10/14/19 10:38
2-Fluorobiphenyl	76.8	30-130	10/14/19 10:38
2,4,6-Tribromophenol	98.4	30-130	10/14/19 10:38
p-Terphenyl-d14	101	30-130	10/14/19 10:38

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (4-5')

Sampled: 10/4/2019 09:25

Sample ID: 19J0393-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	0.041	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:51	WAL
Aroclor-1221 [1]	ND	0.091	0.068	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:51	WAL
Aroclor-1232 [1]	ND	0.091	0.082	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:51	WAL
Aroclor-1242 [1]	ND	0.091	0.068	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:51	WAL
Aroclor-1248 [1]	ND	0.091	0.032	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:51	WAL
Aroclor-1254 [1]	ND	0.091	0.036	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:51	WAL
Aroclor-1260 [1]	ND	0.091	0.050	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:51	WAL
Aroclor-1262 [1]	ND	0.091	0.045	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:51	WAL
Aroclor-1268 [1]	ND	0.091	0.073	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:51	WAL
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		84.6	30-150						10/9/19 21:51	
Decachlorobiphenyl [2]		95.2	30-150						10/9/19 21:51	
Tetrachloro-m-xylene [1]		85.3	30-150						10/9/19 21:51	
Tetrachloro-m-xylene [2]		82.3	30-150						10/9/19 21:51	

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (4-5')

Sampled: 10/4/2019 09:25

Sample ID: 19J0393-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.6	1.9	0.36	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:14	TBC/MJH
Barium	300	1.9	0.40	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:14	TBC/MJH
Cadmium	ND	0.19	0.067	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:14	TBC/MJH
Chromium	29	0.37	0.27	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:14	TBC/MJH
Lead	180	0.56	0.23	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:14	TBC/MJH
Mercury	0.49	0.030	0.0090	mg/Kg dry	1		SW-846 7471B	10/11/19	10/12/19 13:04	AJL
Selenium	ND	3.7	1.8	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:14	TBC/MJH
Silver	1.7	0.37	0.16	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:14	TBC/MJH

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Sampled: 10/4/2019 09:25

Field Sample #: TP-1 (4-5')

Sample ID: 19J0393-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.1		% Wt	1		SM 2540G	10/8/19	10/8/19 9:09	MJR

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (4-5')

Sampled: 10/4/2019 09:25

Sample ID: 19J0393-03

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	ND	0.10	mg/L	1		SW-846 6010D	10/9/19	10/10/19 20:36	MJH

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (4-5')

Sampled: 10/4/2019 09:25

Sample ID: 19J0393-03

Sample Matrix: Soil

Inorganic Analyses - Asbestos

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Asbestos - Chrysotile	<1		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Amosite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Crocidolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Actinolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Tremolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Anthophyllite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Fiberglass	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Mineral Wool	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Cellulose	<1		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Hair	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Synthetic	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Other Non-asbestos	<1		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Non-Fibrous Minerals	100		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Binder/Filler	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Organic Material	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Gypsum	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
19J0393-01 [TP-2 (0-2')]	B242513	10/08/19
19J0393-02 [TP-1 (0-2')]	B242513	10/08/19
19J0393-03 [TP-1 (4-5')]	B242513	10/08/19

Prep Method: SW-846 3050B-SW-846 6010D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19J0393-01 [TP-2 (0-2')]	B243002	1.56	50.0	10/11/19
19J0393-02 [TP-1 (0-2')]	B243002	1.47	50.0	10/11/19
19J0393-03 [TP-1 (4-5')]	B243002	1.54	50.0	10/11/19

Prep Method: SW-846 3010A-SW-846 6010D

Leachates were extracted on 10/8/2019 per SW-846 1311 in Batch B242600

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19J0393-01 [TP-2 (0-2')]	B242764	50.0	50.0	10/09/19
19J0393-02 [TP-1 (0-2')]	B242764	50.0	50.0	10/09/19
19J0393-03 [TP-1 (4-5')]	B242764	50.0	50.0	10/09/19

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19J0393-01 [TP-2 (0-2')]	B242992	0.635	50.0	10/11/19
19J0393-02 [TP-1 (0-2')]	B242992	0.592	50.0	10/11/19
19J0393-03 [TP-1 (4-5')]	B242992	0.577	50.0	10/11/19

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19J0393-01 [TP-2 (0-2')]	B242417	10.6	10.0	10/07/19
19J0393-02 [TP-1 (0-2')]	B242417	10.8	10.0	10/07/19
19J0393-03 [TP-1 (4-5')]	B242417	10.1	10.0	10/07/19

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Sample Amount(g)	Methanol Volume(mL)	Methanol Aliquot(mL)	Final Volume(mL)	Date
19J0393-01 [TP-2 (0-2')]	B242450	4.35	7.32	1	50	10/07/19

Prep Method: SW-846 5035-SW-846 8260C-D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19J0393-02 [TP-1 (0-2')]	B242520	3.28	10.0	10/07/19
19J0393-03 [TP-1 (4-5')]	B242520	4.15	10.0	10/07/19

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19J0393-02 [TP-1 (0-2')]	B242999	30.1	1.00	10/11/19
19J0393-03 [TP-1 (4-5')]	B242999	30.0	1.00	10/11/19

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19J0393-01RE1 [TP-2 (0-2')]	B243130	30.1	1.00	10/14/19

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
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Batch B242450 - SW-846 5035

Blank (B242450-BLK1)

Prepared: 10/07/19 Analyzed: 10/08/19

Acetone	ND	2.5	mg/Kg wet							
Acrylonitrile	ND	0.25	mg/Kg wet							
tert-Amyl Methyl Ether (TAME)	ND	0.025	mg/Kg wet							
Benzene	ND	0.050	mg/Kg wet							
Bromobenzene	ND	0.050	mg/Kg wet							
Bromochloromethane	ND	0.050	mg/Kg wet							
Bromodichloromethane	ND	0.050	mg/Kg wet							
Bromoform	ND	0.050	mg/Kg wet							
Bromomethane	ND	0.10	mg/Kg wet							
2-Butanone (MEK)	ND	1.0	mg/Kg wet							
tert-Butyl Alcohol (TBA)	ND	1.0	mg/Kg wet							
n-Butylbenzene	ND	0.050	mg/Kg wet							
sec-Butylbenzene	ND	0.050	mg/Kg wet							
tert-Butylbenzene	ND	0.050	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.025	mg/Kg wet							
Carbon Disulfide	ND	0.25	mg/Kg wet							
Carbon Tetrachloride	ND	0.050	mg/Kg wet							
Chlorobenzene	ND	0.050	mg/Kg wet							
Chlorodibromomethane	ND	0.025	mg/Kg wet							
Chloroethane	ND	0.10	mg/Kg wet							
Chloroform	ND	0.10	mg/Kg wet							
Chloromethane	ND	0.10	mg/Kg wet							
2-Chlorotoluene	ND	0.050	mg/Kg wet							
4-Chlorotoluene	ND	0.050	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.25	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.025	mg/Kg wet							
Dibromomethane	ND	0.050	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.050	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.050	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.050	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.10	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.10	mg/Kg wet							
1,1-Dichloroethane	ND	0.050	mg/Kg wet							
1,2-Dichloroethane	ND	0.050	mg/Kg wet							
1,1-Dichloroethylene	ND	0.050	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.050	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.050	mg/Kg wet							
Dichlorofluoromethane (Freon 21)	ND	0.050	mg/Kg wet							
1,2-Dichloropropane	ND	0.050	mg/Kg wet							
1,3-Dichloropropane	ND	0.025	mg/Kg wet							
2,2-Dichloropropane	ND	0.050	mg/Kg wet							
1,1-Dichloropropene	ND	0.10	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
Diethyl Ether	ND	0.10	mg/Kg wet							
Difluorochloromethane (Freon 22)	ND	0.050	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.025	mg/Kg wet							
1,4-Dioxane	ND	2.5	mg/Kg wet							
Ethylbenzene	ND	0.050	mg/Kg wet							
Hexachlorobutadiene	ND	0.050	mg/Kg wet							
2-Hexanone (MBK)	ND	0.50	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.050	mg/Kg wet							

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

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
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Batch B242450 - SW-846 5035

Blank (B242450-BLK1)

Prepared: 10/07/19 Analyzed: 10/08/19

p-Isopropyltoluene (p-Cymene)	ND	0.050	mg/Kg wet							
Methyl Acetate	ND	0.50	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.050	mg/Kg wet							
Methyl Cyclohexane	ND	0.050	mg/Kg wet							
Methylene Chloride	ND	0.25	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.50	mg/Kg wet							
Naphthalene	ND	0.10	mg/Kg wet							
n-Propylbenzene	ND	0.050	mg/Kg wet							
Styrene	ND	0.050	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.050	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.025	mg/Kg wet							
Tetrachloroethylene	ND	0.050	mg/Kg wet							
Tetrahydrofuran	ND	0.50	mg/Kg wet							
Toluene	ND	0.050	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.25	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.050	mg/Kg wet							
1,3,5-Trichlorobenzene	ND	0.050	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.050	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.050	mg/Kg wet							
Trichloroethylene	ND	0.050	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.10	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.10	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.050	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.050	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.050	mg/Kg wet							
Vinyl Chloride	ND	0.10	mg/Kg wet							
m+p Xylene	ND	0.10	mg/Kg wet							
o-Xylene	ND	0.050	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0245		mg/Kg wet	0.0250		97.9	70-130			
Surrogate: Toluene-d8	0.0249		mg/Kg wet	0.0250		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.0240		mg/Kg wet	0.0250		95.9	70-130			

LCS (B242450-BS1)

Prepared: 10/07/19 Analyzed: 10/08/19

Acetone	0.118	0.057	mg/Kg wet	0.113		104	70-160			†
Acrylonitrile	0.0110	0.0057	mg/Kg wet	0.0113		97.1	70-130			
tert-Amyl Methyl Ether (TAME)	0.0106	0.00057	mg/Kg wet	0.0113		93.8	70-130			
Benzene	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130			
Bromobenzene	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130			
Bromochloromethane	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130			
Bromodichloromethane	0.0123	0.0011	mg/Kg wet	0.0113		108	70-130			
Bromoform	0.0115	0.0011	mg/Kg wet	0.0113		101	70-130			
Bromomethane	0.0108	0.0023	mg/Kg wet	0.0113		95.3	40-130	V-20		†
2-Butanone (MEK)	0.113	0.023	mg/Kg wet	0.113		99.4	70-160			†
tert-Butyl Alcohol (TBA)	0.102	0.023	mg/Kg wet	0.113		90.1	40-130			†
n-Butylbenzene	0.0124	0.0011	mg/Kg wet	0.0113		110	70-130			
sec-Butylbenzene	0.0131	0.0011	mg/Kg wet	0.0113		115	70-130			
tert-Butylbenzene	0.0128	0.0011	mg/Kg wet	0.0113		113	70-160			†
tert-Butyl Ethyl Ether (TBEE)	0.0106	0.00057	mg/Kg wet	0.0113		93.5	70-130			
Carbon Disulfide	0.0127	0.0057	mg/Kg wet	0.0113		112	70-130			
Carbon Tetrachloride	0.0115	0.0011	mg/Kg wet	0.0113		101	70-130			
Chlorobenzene	0.0133	0.0011	mg/Kg wet	0.0113		117	70-130			
Chlorodibromomethane	0.0115	0.00057	mg/Kg wet	0.0113		101	70-130			

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

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 B242450 - SW-846 5035										
LCS (B242450-BS1)										
					Prepared: 10/07/19 Analyzed: 10/08/19					
Chloroethane	0.0123	0.0023	mg/Kg wet	0.0113		109	70-130			
Chloroform	0.0124	0.0023	mg/Kg wet	0.0113		110	70-130			
Chloromethane	0.00972	0.0023	mg/Kg wet	0.0113		85.8	70-130			V-20
2-Chlorotoluene	0.0125	0.0011	mg/Kg wet	0.0113		110	70-130			
4-Chlorotoluene	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0115	0.0057	mg/Kg wet	0.0113		102	70-130			
1,2-Dibromoethane (EDB)	0.0127	0.00057	mg/Kg wet	0.0113		112	70-130			
Dibromomethane	0.0126	0.0011	mg/Kg wet	0.0113		111	70-130			
1,2-Dichlorobenzene	0.0131	0.0011	mg/Kg wet	0.0113		115	70-130			
1,3-Dichlorobenzene	0.0136	0.0011	mg/Kg wet	0.0113		120	70-130			
1,4-Dichlorobenzene	0.0128	0.0011	mg/Kg wet	0.0113		113	70-130			
trans-1,4-Dichloro-2-butene	0.00958	0.0023	mg/Kg wet	0.0113		84.5	70-130			
Dichlorodifluoromethane (Freon 12)	0.00748	0.0023	mg/Kg wet	0.0113		66.0	40-160			†
1,1-Dichloroethane	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130			
1,2-Dichloroethane	0.0121	0.0011	mg/Kg wet	0.0113		107	70-130			
1,1-Dichloroethylene	0.0126	0.0011	mg/Kg wet	0.0113		111	70-130			
cis-1,2-Dichloroethylene	0.0124	0.0011	mg/Kg wet	0.0113		110	70-130			
trans-1,2-Dichloroethylene	0.0123	0.0011	mg/Kg wet	0.0113		109	70-130			
Dichlorofluoromethane (Freon 21)	0.0125	0.0011	mg/Kg wet	0.0113		110	70-130			
1,2-Dichloropropane	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130			
1,3-Dichloropropane	0.0124	0.00057	mg/Kg wet	0.0113		110	70-130			
2,2-Dichloropropane	0.0119	0.0011	mg/Kg wet	0.0113		105	70-130			
1,1-Dichloropropene	0.0123	0.0023	mg/Kg wet	0.0113		109	70-130			
cis-1,3-Dichloropropene	0.0118	0.00057	mg/Kg wet	0.0113		104	70-130			
trans-1,3-Dichloropropene	0.0117	0.00057	mg/Kg wet	0.0113		104	70-130			
Diethyl Ether	0.0122	0.0023	mg/Kg wet	0.0113		108	70-130			
Difluorochloromethane (Freon 22)	0.0110	0.0011	mg/Kg wet	0.0113		96.7	70-130			
Diisopropyl Ether (DIPE)	0.0121	0.00057	mg/Kg wet	0.0113		106	70-130			
1,4-Dioxane	0.106	0.057	mg/Kg wet	0.113		93.5	40-160			†
Ethylbenzene	0.0128	0.0011	mg/Kg wet	0.0113		113	70-130			
Hexachlorobutadiene	0.0120	0.0011	mg/Kg wet	0.0113		106	70-160			
2-Hexanone (MBK)	0.105	0.011	mg/Kg wet	0.113		92.4	70-160			†
Isopropylbenzene (Cumene)	0.0125	0.0011	mg/Kg wet	0.0113		110	70-130			
p-Isopropyltoluene (p-Cymene)	0.0125	0.0011	mg/Kg wet	0.0113		110	70-130			
Methyl Acetate	0.0111	0.011	mg/Kg wet	0.0113		97.8	70-130			J
Methyl tert-Butyl Ether (MTBE)	0.0121	0.0011	mg/Kg wet	0.0113		107	70-130			
Methyl Cyclohexane	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130			
Methylene Chloride	0.0128	0.0057	mg/Kg wet	0.0113		113	40-160			†
4-Methyl-2-pentanone (MIBK)	0.107	0.011	mg/Kg wet	0.113		94.4	70-160			†
Naphthalene	0.0108	0.0023	mg/Kg wet	0.0113		95.7	40-130			†
n-Propylbenzene	0.0123	0.0011	mg/Kg wet	0.0113		108	70-130			
Styrene	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130			
1,1,1,2-Tetrachloroethane	0.0129	0.0011	mg/Kg wet	0.0113		114	70-130			
1,1,2,2-Tetrachloroethane	0.0136	0.00057	mg/Kg wet	0.0113		120	70-130			
Tetrachloroethylene	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130			
Tetrahydrofuran	0.0114	0.011	mg/Kg wet	0.0113		100	70-130			
Toluene	0.0128	0.0011	mg/Kg wet	0.0113		112	70-130			
1,2,3-Trichlorobenzene	0.0105	0.0057	mg/Kg wet	0.0113		92.5	70-130			
1,2,4-Trichlorobenzene	0.0109	0.0011	mg/Kg wet	0.0113		95.8	70-130			
1,3,5-Trichlorobenzene	0.0109	0.0011	mg/Kg wet	0.0113		96.5	70-130			
1,1,1-Trichloroethane	0.0121	0.0011	mg/Kg wet	0.0113		107	70-130			
1,1,2-Trichloroethane	0.0130	0.0011	mg/Kg wet	0.0113		115	70-130			

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

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
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Batch B242450 - SW-846 5035

LCS (B242450-BS1)

Prepared: 10/07/19 Analyzed: 10/08/19

Trichloroethylene	0.0129	0.0011	mg/Kg wet	0.0113		114	70-130			
Trichlorofluoromethane (Freon 11)	0.0105	0.0023	mg/Kg wet	0.0113		92.8	70-130			
1,2,3-Trichloropropane	0.0112	0.0023	mg/Kg wet	0.0113		98.8	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130			
1,2,4-Trimethylbenzene	0.0128	0.0011	mg/Kg wet	0.0113		113	70-130			
1,3,5-Trimethylbenzene	0.0120	0.0011	mg/Kg wet	0.0113		106	70-130			
Vinyl Chloride	0.0107	0.0023	mg/Kg wet	0.0113		94.3	40-130			†
m+p Xylene	0.0250	0.0023	mg/Kg wet	0.0227		110	70-130			
o-Xylene	0.0128	0.0011	mg/Kg wet	0.0113		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0272		mg/Kg wet	0.0283		96.0	70-130			
Surrogate: Toluene-d8	0.0283		mg/Kg wet	0.0283		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.0278		mg/Kg wet	0.0283		98.1	70-130			

LCS Dup (B242450-BS1)

Prepared: 10/07/19 Analyzed: 10/08/19

Acetone	0.122	0.057	mg/Kg wet	0.113		107	70-160	3.15	25	†
Acrylonitrile	0.0106	0.0057	mg/Kg wet	0.0113		93.7	70-130	3.56	25	
tert-Amyl Methyl Ether (TAME)	0.0101	0.00057	mg/Kg wet	0.0113		89.4	70-130	4.80	25	
Benzene	0.0126	0.0011	mg/Kg wet	0.0113		111	70-130	0.717	25	
Bromobenzene	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130	2.62	25	
Bromochloromethane	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130	0.00	25	
Bromodichloromethane	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130	1.01	25	
Bromoform	0.0120	0.0011	mg/Kg wet	0.0113		106	70-130	4.16	25	
Bromomethane	0.0119	0.0023	mg/Kg wet	0.0113		105	40-130	9.59	25	V-20 †
2-Butanone (MEK)	0.112	0.023	mg/Kg wet	0.113		99.1	70-160	0.272	25	†
tert-Butyl Alcohol (TBA)	0.0988	0.023	mg/Kg wet	0.113		87.2	40-130	3.34	25	†
n-Butylbenzene	0.0123	0.0011	mg/Kg wet	0.0113		108	70-130	1.56	25	
sec-Butylbenzene	0.0134	0.0011	mg/Kg wet	0.0113		118	70-130	2.31	25	
tert-Butylbenzene	0.0130	0.0011	mg/Kg wet	0.0113		115	70-160	1.76	25	†
tert-Butyl Ethyl Ether (TBEE)	0.0103	0.00057	mg/Kg wet	0.0113		90.8	70-130	2.93	25	
Carbon Disulfide	0.0117	0.0057	mg/Kg wet	0.0113		104	70-130	7.61	25	
Carbon Tetrachloride	0.0114	0.0011	mg/Kg wet	0.0113		100	70-130	0.694	25	
Chlorobenzene	0.0133	0.0011	mg/Kg wet	0.0113		117	70-130	0.0854	25	
Chlorodibromomethane	0.0119	0.00057	mg/Kg wet	0.0113		105	70-130	3.68	25	
Chloroethane	0.0124	0.0023	mg/Kg wet	0.0113		110	70-130	0.549	25	
Chloroform	0.0126	0.0023	mg/Kg wet	0.0113		111	70-130	1.18	25	
Chloromethane	0.0103	0.0023	mg/Kg wet	0.0113		91.0	70-130	5.88	25	V-20
2-Chlorotoluene	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130	2.07	25	
4-Chlorotoluene	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130	2.35	25	
1,2-Dibromo-3-chloropropane (DBCP)	0.0110	0.0057	mg/Kg wet	0.0113		97.4	70-130	4.42	25	
1,2-Dibromoethane (EDB)	0.0125	0.00057	mg/Kg wet	0.0113		110	70-130	1.62	25	
Dibromomethane	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130	1.91	25	
1,2-Dichlorobenzene	0.0136	0.0011	mg/Kg wet	0.0113		120	70-130	3.91	25	
1,3-Dichlorobenzene	0.0139	0.0011	mg/Kg wet	0.0113		123	70-130	2.55	25	
1,4-Dichlorobenzene	0.0133	0.0011	mg/Kg wet	0.0113		117	70-130	3.47	25	
trans-1,4-Dichloro-2-butene	0.0114	0.0023	mg/Kg wet	0.0113		101	70-130	17.4	25	
Dichlorodifluoromethane (Freon 12)	0.00750	0.0023	mg/Kg wet	0.0113		66.2	40-160	0.303	25	†
1,1-Dichloroethane	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130	0.275	25	
1,2-Dichloroethane	0.0122	0.0011	mg/Kg wet	0.0113		107	70-130	0.187	25	
1,1-Dichloroethylene	0.0125	0.0011	mg/Kg wet	0.0113		111	70-130	0.181	25	
cis-1,2-Dichloroethylene	0.0126	0.0011	mg/Kg wet	0.0113		111	70-130	1.45	25	
trans-1,2-Dichloroethylene	0.0119	0.0011	mg/Kg wet	0.0113		105	70-130	3.84	25	
Dichlorofluoromethane (Freon 21)	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130	1.89	25	

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

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 B242450 - SW-846 5035										
LCS Dup (B242450-BSD1)										
					Prepared: 10/07/19 Analyzed: 10/08/19					
1,2-Dichloropropane	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130	0.357	25	
1,3-Dichloropropane	0.0123	0.00057	mg/Kg wet	0.0113		109	70-130	0.733	25	
2,2-Dichloropropane	0.0115	0.0011	mg/Kg wet	0.0113		102	70-130	2.90	25	
1,1-Dichloropropene	0.0121	0.0023	mg/Kg wet	0.0113		107	70-130	1.76	25	
cis-1,3-Dichloropropene	0.0120	0.00057	mg/Kg wet	0.0113		106	70-130	1.14	25	
trans-1,3-Dichloropropene	0.0115	0.00057	mg/Kg wet	0.0113		102	70-130	1.56	25	
Diethyl Ether	0.0125	0.0023	mg/Kg wet	0.0113		111	70-130	2.56	25	
Difluorochloromethane (Freon 22)	0.0109	0.0011	mg/Kg wet	0.0113		95.8	70-130	0.935	25	
Diisopropyl Ether (DIPE)	0.0121	0.00057	mg/Kg wet	0.0113		107	70-130	0.375	25	
1,4-Dioxane	0.102	0.057	mg/Kg wet	0.113		90.0	40-160	3.78	50	† ‡
Ethylbenzene	0.0129	0.0011	mg/Kg wet	0.0113		114	70-130	0.705	25	
Hexachlorobutadiene	0.0125	0.0011	mg/Kg wet	0.0113		111	70-160	4.53	25	
2-Hexanone (MBK)	0.101	0.011	mg/Kg wet	0.113		89.1	70-160	3.70	25	†
Isopropylbenzene (Cumene)	0.0128	0.0011	mg/Kg wet	0.0113		113	70-130	2.69	25	
p-Isopropyltoluene (p-Cymene)	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130	1.80	25	
Methyl Acetate	0.0107	0.011	mg/Kg wet	0.0113		94.4	70-130	3.54	25	J
Methyl tert-Butyl Ether (MTBE)	0.0122	0.0011	mg/Kg wet	0.0113		108	70-130	0.747	25	
Methyl Cyclohexane	0.0122	0.0011	mg/Kg wet	0.0113		108	70-130	1.48	25	
Methylene Chloride	0.0130	0.0057	mg/Kg wet	0.0113		114	40-160	0.967	25	†
4-Methyl-2-pentanone (MIBK)	0.104	0.011	mg/Kg wet	0.113		91.6	70-160	3.02	25	†
Naphthalene	0.0104	0.0023	mg/Kg wet	0.0113		91.6	40-130	4.38	25	†
n-Propylbenzene	0.0124	0.0011	mg/Kg wet	0.0113		110	70-130	1.10	25	
Styrene	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130	2.44	25	
1,1,1,2-Tetrachloroethane	0.0137	0.0011	mg/Kg wet	0.0113		121	70-130	6.06	25	
1,1,2,2-Tetrachloroethane	0.0135	0.00057	mg/Kg wet	0.0113		119	70-130	0.751	25	
Tetrachloroethylene	0.0130	0.0011	mg/Kg wet	0.0113		115	70-130	2.91	25	
Tetrahydrofuran	0.0105	0.011	mg/Kg wet	0.0113		92.4	70-130	8.10	25	J
Toluene	0.0125	0.0011	mg/Kg wet	0.0113		111	70-130	1.61	25	
1,2,3-Trichlorobenzene	0.0104	0.0057	mg/Kg wet	0.0113		91.9	70-130	0.651	25	
1,2,4-Trichlorobenzene	0.0108	0.0011	mg/Kg wet	0.0113		95.1	70-130	0.733	25	
1,3,5-Trichlorobenzene	0.0113	0.0011	mg/Kg wet	0.0113		99.3	70-130	2.86	25	
1,1,1-Trichloroethane	0.0121	0.0011	mg/Kg wet	0.0113		107	70-130	0.0934	25	
1,1,2-Trichloroethane	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130	1.85	25	
Trichloroethylene	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130	1.77	25	
Trichlorofluoromethane (Freon 11)	0.0105	0.0023	mg/Kg wet	0.0113		92.4	70-130	0.432	25	
1,2,3-Trichloropropane	0.0111	0.0023	mg/Kg wet	0.0113		98.1	70-130	0.711	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0126	0.0011	mg/Kg wet	0.0113		111	70-130	0.808	25	
1,2,4-Trimethylbenzene	0.0128	0.0011	mg/Kg wet	0.0113		113	70-130	0.0888	25	
1,3,5-Trimethylbenzene	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130	3.07	25	
Vinyl Chloride	0.0104	0.0023	mg/Kg wet	0.0113		91.8	40-130	2.69	25	†
m+p Xylene	0.0258	0.0023	mg/Kg wet	0.0227		114	70-130	2.85	25	
o-Xylene	0.0128	0.0011	mg/Kg wet	0.0113		113	70-130	0.177	25	
Surrogate: 1,2-Dichloroethane-d4	0.0270		mg/Kg wet	0.0283		95.3	70-130			
Surrogate: Toluene-d8	0.0277		mg/Kg wet	0.0283		97.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.0278		mg/Kg wet	0.0283		98.3	70-130			

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

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
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Batch B242520 - SW-846 5035

Blank (B242520-BLK1)

Prepared & Analyzed: 10/08/19

Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromochloromethane	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							V-34
2-Butanone (MEK)	ND	0.040	mg/Kg wet							
tert-Butyl Alcohol (TBA)	ND	0.040	mg/Kg wet							
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
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	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Diethyl Ether	ND	0.020	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet							
1,4-Dioxane	ND	0.10	mg/Kg wet							
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 Acetate	ND	0.0020	mg/Kg wet							

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

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
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Batch B242520 - SW-846 5035

Blank (B242520-BLK1)

Prepared & Analyzed: 10/08/19

Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methyl Cyclohexane	ND	0.0020	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							
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							
1,3,5-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							R-05
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	0.0469		mg/Kg wet	0.0500		93.9	70-130			
Surrogate: Toluene-d8	0.0576		mg/Kg wet	0.0500		115	70-130			
Surrogate: 4-Bromofluorobenzene	0.0512		mg/Kg wet	0.0500		102	70-130			

LCS (B242520-BS1)

Prepared & Analyzed: 10/08/19

Acetone	0.176	0.10	mg/Kg wet	0.200		88.0	70-160			V-35 †
Acrylonitrile	0.0205	0.0060	mg/Kg wet	0.0200		102	70-130			
tert-Amyl Methyl Ether (TAME)	0.0202	0.0010	mg/Kg wet	0.0200		101	70-130			
Benzene	0.0175	0.0020	mg/Kg wet	0.0200		87.6	70-130			
Bromobenzene	0.0245	0.0020	mg/Kg wet	0.0200		123	70-130			
Bromochloromethane	0.0226	0.0020	mg/Kg wet	0.0200		113	70-130			
Bromodichloromethane	0.0245	0.0020	mg/Kg wet	0.0200		122	70-130			
Bromoform	0.0249	0.0020	mg/Kg wet	0.0200		124	70-130			
Bromomethane	0.0177	0.010	mg/Kg wet	0.0200		88.4	40-130			V-34 †
2-Butanone (MEK)	0.198	0.040	mg/Kg wet	0.200		99.1	70-160			†
tert-Butyl Alcohol (TBA)	0.196	0.040	mg/Kg wet	0.200		98.0	40-130			†
n-Butylbenzene	0.0187	0.0020	mg/Kg wet	0.0200		93.3	70-130			
sec-Butylbenzene	0.0211	0.0020	mg/Kg wet	0.0200		106	70-130			
tert-Butylbenzene	0.0224	0.0020	mg/Kg wet	0.0200		112	70-160			†
tert-Butyl Ethyl Ether (TBEE)	0.0198	0.0010	mg/Kg wet	0.0200		98.8	70-130			
Carbon Disulfide	0.0178	0.0060	mg/Kg wet	0.0200		88.8	70-130			
Carbon Tetrachloride	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130			
Chlorobenzene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
Chlorodibromomethane	0.0209	0.0010	mg/Kg wet	0.0200		104	70-130			
Chloroethane	0.0193	0.020	mg/Kg wet	0.0200		96.7	70-130			
Chloroform	0.0210	0.0040	mg/Kg wet	0.0200		105	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 B242520 - SW-846 5035										
LCS (B242520-BS1)										
				Prepared & Analyzed: 10/08/19						
Chloromethane	0.0172	0.010	mg/Kg wet	0.0200		85.9	70-130			
2-Chlorotoluene	0.0238	0.0020	mg/Kg wet	0.0200		119	70-130			
4-Chlorotoluene	0.0234	0.0020	mg/Kg wet	0.0200		117	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
1,2-Dibromoethane (EDB)	0.0197	0.0010	mg/Kg wet	0.0200		98.4	70-130			V-20
Dibromomethane	0.0217	0.0020	mg/Kg wet	0.0200		109	70-130			
1,2-Dichlorobenzene	0.0200	0.0020	mg/Kg wet	0.0200		99.8	70-130			
1,3-Dichlorobenzene	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130			
1,4-Dichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.6	70-130			
trans-1,4-Dichloro-2-butene	0.0219	0.0040	mg/Kg wet	0.0200		110	70-130			
Dichlorodifluoromethane (Freon 12)	0.0172	0.020	mg/Kg wet	0.0200		86.0	40-160			J †
1,1-Dichloroethane	0.0217	0.0020	mg/Kg wet	0.0200		108	70-130			
1,2-Dichloroethane	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130			
1,1-Dichloroethylene	0.0177	0.0040	mg/Kg wet	0.0200		88.5	70-130			
cis-1,2-Dichloroethylene	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130			
trans-1,2-Dichloroethylene	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130			
1,2-Dichloropropane	0.0196	0.0020	mg/Kg wet	0.0200		97.8	70-130			
1,3-Dichloropropane	0.0187	0.0010	mg/Kg wet	0.0200		93.5	70-130			
2,2-Dichloropropane	0.0207	0.0020	mg/Kg wet	0.0200		103	70-130			
1,1-Dichloropropene	0.0194	0.0020	mg/Kg wet	0.0200		96.9	70-130			
cis-1,3-Dichloropropene	0.0217	0.0010	mg/Kg wet	0.0200		108	70-130			V-20
trans-1,3-Dichloropropene	0.0216	0.0010	mg/Kg wet	0.0200		108	70-130			
Diethyl Ether	0.0189	0.020	mg/Kg wet	0.0200		94.6	70-130			J
Diisopropyl Ether (DIPE)	0.0194	0.0010	mg/Kg wet	0.0200		97.2	70-130			
1,4-Dioxane	0.202	0.10	mg/Kg wet	0.200		101	40-160			†
Ethylbenzene	0.0226	0.0020	mg/Kg wet	0.0200		113	70-130			
Hexachlorobutadiene	0.0244	0.0020	mg/Kg wet	0.0200		122	70-160			†
2-Hexanone (MBK)	0.171	0.020	mg/Kg wet	0.200		85.4	70-160			†
Isopropylbenzene (Cumene)	0.0235	0.0020	mg/Kg wet	0.0200		118	70-130			
p-Isopropyltoluene (p-Cymene)	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130			
Methyl Acetate	0.0167	0.0020	mg/Kg wet	0.0200		83.7	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0219	0.0040	mg/Kg wet	0.0200		109	70-130			
Methyl Cyclohexane	0.0173	0.0020	mg/Kg wet	0.0200		86.5	70-130			
Methylene Chloride	0.0169	0.020	mg/Kg wet	0.0200		84.7	40-160			J †
4-Methyl-2-pentanone (MIBK)	0.199	0.020	mg/Kg wet	0.200		99.5	70-160			†
Naphthalene	0.0156	0.0040	mg/Kg wet	0.0200		78.1	40-130			†
n-Propylbenzene	0.0236	0.0020	mg/Kg wet	0.0200		118	70-130			
Styrene	0.0235	0.0020	mg/Kg wet	0.0200		118	70-130			
1,1,1,2-Tetrachloroethane	0.0262	0.0020	mg/Kg wet	0.0200		131 *	70-130			L-07
1,1,1,2,2-Tetrachloroethane	0.0221	0.0010	mg/Kg wet	0.0200		110	70-130			
Tetrachloroethylene	0.0246	0.0020	mg/Kg wet	0.0200		123	70-130			
Tetrahydrofuran	0.0183	0.010	mg/Kg wet	0.0200		91.5	70-130			
Toluene	0.0186	0.0020	mg/Kg wet	0.0200		92.9	70-130			
1,2,3-Trichlorobenzene	0.0200	0.0020	mg/Kg wet	0.0200		100	70-130			
1,2,4-Trichlorobenzene	0.0194	0.0020	mg/Kg wet	0.0200		97.2	70-130			
1,3,5-Trichlorobenzene	0.0205	0.0020	mg/Kg wet	0.0200		103	70-130			
1,1,1-Trichloroethane	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
1,1,2-Trichloroethane	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130			
Trichloroethylene	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130			
Trichlorofluoromethane (Freon 11)	0.0197	0.010	mg/Kg wet	0.0200		98.3	70-130			
1,2,3-Trichloropropane	0.0237	0.0020	mg/Kg wet	0.0200		119	70-130			

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

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
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Batch B242520 - SW-846 5035

LCS (B242520-BS1)

Prepared & Analyzed: 10/08/19

1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0173	0.010	mg/Kg wet	0.0200		86.6	70-130			
1,2,4-Trimethylbenzene	0.0213	0.0020	mg/Kg wet	0.0200		107	70-130			
1,3,5-Trimethylbenzene	0.0237	0.0020	mg/Kg wet	0.0200		118	70-130			R-05
Vinyl Chloride	0.0196	0.010	mg/Kg wet	0.0200		98.0	40-130			†
m+p Xylene	0.0481	0.0040	mg/Kg wet	0.0400		120	70-130			
o-Xylene	0.0230	0.0020	mg/Kg wet	0.0200		115	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0473		mg/Kg wet	0.0500		94.7	70-130			
Surrogate: Toluene-d8	0.0478		mg/Kg wet	0.0500		95.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.0580		mg/Kg wet	0.0500		116	70-130			

LCS Dup (B242520-BS1)

Prepared & Analyzed: 10/08/19

Acetone	0.190	0.10	mg/Kg wet	0.200		94.8	70-160	7.46	25	V-35	†
Acrylonitrile	0.0193	0.0060	mg/Kg wet	0.0200		96.6	70-130	5.83	25		
tert-Amyl Methyl Ether (TAME)	0.0192	0.0010	mg/Kg wet	0.0200		95.9	70-130	4.98	25		
Benzene	0.0159	0.0020	mg/Kg wet	0.0200		79.6	70-130	9.57	25		
Bromobenzene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130	18.3	25		
Bromochloromethane	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130	2.87	25		
Bromodichloromethane	0.0240	0.0020	mg/Kg wet	0.0200		120	70-130	2.15	25		
Bromoform	0.0213	0.0020	mg/Kg wet	0.0200		107	70-130	15.2	25		
Bromomethane	0.0169	0.010	mg/Kg wet	0.0200		84.6	40-130	4.39	25	V-34	†
2-Butanone (MEK)	0.183	0.040	mg/Kg wet	0.200		91.3	70-160	8.13	25		†
tert-Butyl Alcohol (TBA)	0.189	0.040	mg/Kg wet	0.200		94.3	40-130	3.86	25		†
n-Butylbenzene	0.0159	0.0020	mg/Kg wet	0.0200		79.4	70-130	16.1	25		
sec-Butylbenzene	0.0194	0.0020	mg/Kg wet	0.0200		97.2	70-130	8.28	25		
tert-Butylbenzene	0.0178	0.0020	mg/Kg wet	0.0200		88.9	70-160	23.2	25		†
tert-Butyl Ethyl Ether (TBEE)	0.0196	0.0010	mg/Kg wet	0.0200		98.0	70-130	0.813	25		
Carbon Disulfide	0.0181	0.0060	mg/Kg wet	0.0200		90.5	70-130	1.90	25		
Carbon Tetrachloride	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130	4.16	25		
Chlorobenzene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130	4.35	25		
Chlorodibromomethane	0.0244	0.0010	mg/Kg wet	0.0200		122	70-130	15.7	25		
Chloroethane	0.0192	0.020	mg/Kg wet	0.0200		95.9	70-130	0.831	25	J	
Chloroform	0.0199	0.0040	mg/Kg wet	0.0200		99.5	70-130	5.28	25		
Chloromethane	0.0167	0.010	mg/Kg wet	0.0200		83.3	70-130	3.07	25		
2-Chlorotoluene	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130	7.69	25		
4-Chlorotoluene	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130	21.8	25		
1,2-Dibromo-3-chloropropane (DBCP)	0.0164	0.0020	mg/Kg wet	0.0200		82.0	70-130	22.5	25		
1,2-Dibromoethane (EDB)	0.0236	0.0010	mg/Kg wet	0.0200		118	70-130	17.9	25	V-20	
Dibromomethane	0.0198	0.0020	mg/Kg wet	0.0200		99.0	70-130	9.25	25		
1,2-Dichlorobenzene	0.0167	0.0020	mg/Kg wet	0.0200		83.3	70-130	18.0	25		
1,3-Dichlorobenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.5	70-130	1.50	25		
1,4-Dichlorobenzene	0.0178	0.0020	mg/Kg wet	0.0200		89.1	70-130	5.99	25		
trans-1,4-Dichloro-2-butene	0.0186	0.0040	mg/Kg wet	0.0200		92.8	70-130	16.6	25		
Dichlorodifluoromethane (Freon 12)	0.0160	0.020	mg/Kg wet	0.0200		79.9	40-160	7.35	25	J	†
1,1-Dichloroethane	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130	2.24	25		
1,2-Dichloroethane	0.0219	0.0020	mg/Kg wet	0.0200		109	70-130	0.547	25		
1,1-Dichloroethylene	0.0199	0.0040	mg/Kg wet	0.0200		99.5	70-130	11.7	25		
cis-1,2-Dichloroethylene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	4.10	25		
trans-1,2-Dichloroethylene	0.0209	0.0020	mg/Kg wet	0.0200		104	70-130	3.80	25		
1,2-Dichloropropane	0.0190	0.0020	mg/Kg wet	0.0200		94.8	70-130	3.12	25		
1,3-Dichloropropane	0.0226	0.0010	mg/Kg wet	0.0200		113	70-130	18.8	25		
2,2-Dichloropropane	0.0196	0.0020	mg/Kg wet	0.0200		97.9	70-130	5.46	25		
1,1-Dichloropropene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130	8.78	25		

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

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 B242520 - SW-846 5035										
LCS Dup (B242520-BSD1)										
				Prepared & Analyzed: 10/08/19						
cis-1,3-Dichloropropene	0.0251	0.0010	mg/Kg wet	0.0200		126	70-130	14.5	25	V-20
trans-1,3-Dichloropropene	0.0206	0.0010	mg/Kg wet	0.0200		103	70-130	4.93	25	
Diethyl Ether	0.0160	0.020	mg/Kg wet	0.0200		79.9	70-130	16.8	25	J
Diisopropyl Ether (DIPE)	0.0196	0.0010	mg/Kg wet	0.0200		98.0	70-130	0.820	25	
1,4-Dioxane	0.181	0.10	mg/Kg wet	0.200		90.4	40-160	10.8	50	† ‡
Ethylbenzene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130	10.1	25	
Hexachlorobutadiene	0.0196	0.0020	mg/Kg wet	0.0200		97.9	70-160	21.8	25	
2-Hexanone (MBK)	0.206	0.020	mg/Kg wet	0.200		103	70-160	18.8	25	†
Isopropylbenzene (Cumene)	0.0196	0.0020	mg/Kg wet	0.0200		97.8	70-130	18.3	25	
p-Isopropyltoluene (p-Cymene)	0.0198	0.0020	mg/Kg wet	0.0200		98.8	70-130	3.48	25	
Methyl Acetate	0.0173	0.0020	mg/Kg wet	0.0200		86.5	70-130	3.29	25	
Methyl tert-Butyl Ether (MTBE)	0.0222	0.0040	mg/Kg wet	0.0200		111	70-130	1.63	25	
Methyl Cyclohexane	0.0186	0.0020	mg/Kg wet	0.0200		93.0	70-130	7.24	25	
Methylene Chloride	0.0192	0.020	mg/Kg wet	0.0200		96.0	40-160	12.5	25	J †
4-Methyl-2-pentanone (MIBK)	0.206	0.020	mg/Kg wet	0.200		103	70-160	3.43	25	†
Naphthalene	0.0131	0.0040	mg/Kg wet	0.0200		65.3	40-130	17.9	25	†
n-Propylbenzene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130	14.4	25	
Styrene	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130	14.6	25	
1,1,1,2-Tetrachloroethane	0.0231	0.0020	mg/Kg wet	0.0200		116	70-130	12.6	25	
1,1,2,2-Tetrachloroethane	0.0220	0.0010	mg/Kg wet	0.0200		110	70-130	0.363	25	
Tetrachloroethylene	0.0255	0.0020	mg/Kg wet	0.0200		127	70-130	3.44	25	
Tetrahydrofuran	0.0180	0.010	mg/Kg wet	0.0200		90.1	70-130	1.54	25	
Toluene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130	7.76	25	
1,2,3-Trichlorobenzene	0.0163	0.0020	mg/Kg wet	0.0200		81.7	70-130	20.1	25	
1,2,4-Trichlorobenzene	0.0168	0.0020	mg/Kg wet	0.0200		83.9	70-130	14.7	25	
1,3,5-Trichlorobenzene	0.0171	0.0020	mg/Kg wet	0.0200		85.7	70-130	18.0	25	
1,1,1-Trichloroethane	0.0195	0.0020	mg/Kg wet	0.0200		97.6	70-130	9.65	25	
1,1,2-Trichloroethane	0.0236	0.0020	mg/Kg wet	0.0200		118	70-130	8.01	25	
Trichloroethylene	0.0226	0.0020	mg/Kg wet	0.0200		113	70-130	4.52	25	
Trichlorofluoromethane (Freon 11)	0.0196	0.010	mg/Kg wet	0.0200		97.8	70-130	0.510	25	
1,2,3-Trichloropropane	0.0205	0.0020	mg/Kg wet	0.0200		103	70-130	14.5	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0221	0.010	mg/Kg wet	0.0200		111	70-130	24.3	25	
1,2,4-Trimethylbenzene	0.0187	0.0020	mg/Kg wet	0.0200		93.5	70-130	13.2	25	
1,3,5-Trimethylbenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.4	70-130	25.7 *	25	R-05
Vinyl Chloride	0.0186	0.010	mg/Kg wet	0.0200		93.1	40-130	5.13	25	†
m+p Xylene	0.0400	0.0040	mg/Kg wet	0.0400		100	70-130	18.3	25	
o-Xylene	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130	10.1	25	
Surrogate: 1,2-Dichloroethane-d4	0.0430		mg/Kg wet	0.0500		86.0	70-130			
Surrogate: Toluene-d8	0.0539		mg/Kg wet	0.0500		108	70-130			
Surrogate: 4-Bromofluorobenzene	0.0523		mg/Kg wet	0.0500		105	70-130			

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

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
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Batch B242999 - SW-846 3546

Blank (B242999-BLK1)

Prepared: 10/11/19 Analyzed: 10/14/19

Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Acetophenone	ND	0.34	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzidine	ND	0.66	mg/Kg wet							V-35
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							
Benzoic Acid	ND	1.0	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							
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
1,2-Diphenylhydrazine/Azobenzene	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.34	mg/Kg wet							V-05
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							
1-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B242999 - SW-846 3546

Blank (B242999-BLK1)

Prepared: 10/11/19 Analyzed: 10/14/19

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							
4-Nitrophenol	ND	0.66	mg/Kg wet							V-20
N-Nitrosodimethylamine	ND	0.34	mg/Kg wet							
N-Nitrosodiphenylamine/Diphenylamine	ND	0.34	mg/Kg wet							
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet							
Pentachloronitrobenzene	ND	0.34	mg/Kg wet							
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Phenol	ND	0.34	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Pyridine	ND	0.34	mg/Kg wet							V-05
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	5.61		mg/Kg wet	6.67		84.2	30-130			
Surrogate: Phenol-d6	5.80		mg/Kg wet	6.67		87.0	30-130			
Surrogate: Nitrobenzene-d5	2.93		mg/Kg wet	3.33		88.0	30-130			
Surrogate: 2-Fluorobiphenyl	3.08		mg/Kg wet	3.33		92.4	30-130			
Surrogate: 2,4,6-Tribromophenol	7.81		mg/Kg wet	6.67		117	30-130			
Surrogate: p-Terphenyl-d14	4.25		mg/Kg wet	3.33		127	30-130			

LCS (B242999-BS1)

Prepared: 10/11/19 Analyzed: 10/14/19

Acenaphthene	1.36	0.17	mg/Kg wet	1.67		81.8	40-140			
Acenaphthylene	1.43	0.17	mg/Kg wet	1.67		85.5	40-140			
Acetophenone	1.47	0.34	mg/Kg wet	1.67		88.0	40-140			
Aniline	0.959	0.34	mg/Kg wet	1.67		57.6	10-140			†
Anthracene	1.47	0.17	mg/Kg wet	1.67		88.4	40-140			
Benzidine	2.14	0.66	mg/Kg wet	1.67		128	40-140			V-35
Benzo(a)anthracene	1.56	0.17	mg/Kg wet	1.67		93.4	40-140			
Benzo(a)pyrene	1.52	0.17	mg/Kg wet	1.67		91.0	40-140			
Benzo(b)fluoranthene	1.54	0.17	mg/Kg wet	1.67		92.5	40-140			
Benzo(g,h,i)perylene	1.87	0.17	mg/Kg wet	1.67		112	40-140			
Benzo(k)fluoranthene	1.54	0.17	mg/Kg wet	1.67		92.6	40-140			
Benzoic Acid	0.569	1.0	mg/Kg wet	1.67		34.2	30-130			J
Bis(2-chloroethoxy)methane	1.38	0.34	mg/Kg wet	1.67		82.9	40-140			
Bis(2-chloroethyl)ether	1.27	0.34	mg/Kg wet	1.67		76.3	40-140			
Bis(2-chloroisopropyl)ether	1.49	0.34	mg/Kg wet	1.67		89.1	40-140			
Bis(2-Ethylhexyl)phthalate	1.58	0.34	mg/Kg wet	1.67		95.1	40-140			
4-Bromophenylphenylether	1.48	0.34	mg/Kg wet	1.67		88.5	40-140			
Butylbenzylphthalate	1.64	0.34	mg/Kg wet	1.67		98.2	40-140			
Carbazole	1.44	0.17	mg/Kg wet	1.67		86.5	40-140			
4-Chloroaniline	1.01	0.66	mg/Kg wet	1.67		60.4	10-140			†
4-Chloro-3-methylphenol	1.55	0.66	mg/Kg wet	1.67		93.2	30-130			
2-Chloronaphthalene	1.27	0.34	mg/Kg wet	1.67		76.2	40-140			

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B242999 - SW-846 3546										
LCS (B242999-BS1)										
					Prepared: 10/11/19 Analyzed: 10/14/19					
2-Chlorophenol	1.37	0.34	mg/Kg wet	1.67		82.1	30-130			
4-Chlorophenylphenylether	1.60	0.34	mg/Kg wet	1.67		96.0	40-140			
Chrysene	1.53	0.17	mg/Kg wet	1.67		91.8	40-140			
Dibenz(a,h)anthracene	1.83	0.17	mg/Kg wet	1.67		110	40-140			
Dibenzofuran	1.53	0.34	mg/Kg wet	1.67		91.9	40-140			
Di-n-butylphthalate	1.50	0.34	mg/Kg wet	1.67		90.3	40-140			
1,2-Dichlorobenzene	1.30	0.34	mg/Kg wet	1.67		78.2	40-140			
1,3-Dichlorobenzene	1.21	0.34	mg/Kg wet	1.67		72.9	40-140			
1,4-Dichlorobenzene	1.26	0.34	mg/Kg wet	1.67		75.6	40-140			
3,3-Dichlorobenzidine	0.990	0.17	mg/Kg wet	1.67		59.4	20-140			†
2,4-Dichlorophenol	1.50	0.34	mg/Kg wet	1.67		89.9	30-130			
Diethylphthalate	1.55	0.34	mg/Kg wet	1.67		93.0	40-140			
2,4-Dimethylphenol	1.39	0.34	mg/Kg wet	1.67		83.1	30-130			
Dimethylphthalate	1.55	0.34	mg/Kg wet	1.67		93.0	40-140			
4,6-Dinitro-2-methylphenol	1.08	0.34	mg/Kg wet	1.67		64.7	30-130			
2,4-Dinitrophenol	0.887	0.66	mg/Kg wet	1.67		53.2	30-130			
2,4-Dinitrotoluene	1.62	0.34	mg/Kg wet	1.67		97.1	40-140			
2,6-Dinitrotoluene	1.64	0.34	mg/Kg wet	1.67		98.6	40-140			
Di-n-octylphthalate	1.81	0.34	mg/Kg wet	1.67		109	40-140			
1,2-Diphenylhydrazine/Azobenzene	1.32	0.34	mg/Kg wet	1.67		79.0	40-140			
Fluoranthene	1.57	0.17	mg/Kg wet	1.67		94.3	40-140			
Fluorene	1.55	0.17	mg/Kg wet	1.67		92.7	40-140			
Hexachlorobenzene	1.51	0.34	mg/Kg wet	1.67		90.7	40-140			
Hexachlorobutadiene	1.53	0.34	mg/Kg wet	1.67		92.0	40-140			
Hexachlorocyclopentadiene	0.880	0.34	mg/Kg wet	1.67		52.8	40-140			V-05
Hexachloroethane	1.29	0.34	mg/Kg wet	1.67		77.2	40-140			
Indeno(1,2,3-cd)pyrene	1.98	0.17	mg/Kg wet	1.67		119	40-140			
Isophorone	1.51	0.34	mg/Kg wet	1.67		90.6	40-140			
1-Methylnaphthalene	1.35	0.17	mg/Kg wet	1.67		80.9	40-140			
2-Methylnaphthalene	1.64	0.17	mg/Kg wet	1.67		98.3	40-140			
2-Methylphenol	1.38	0.34	mg/Kg wet	1.67		82.7	30-130			
3/4-Methylphenol	1.43	0.34	mg/Kg wet	1.67		85.9	30-130			
Naphthalene	1.42	0.17	mg/Kg wet	1.67		85.0	40-140			
2-Nitroaniline	1.44	0.34	mg/Kg wet	1.67		86.7	40-140			
3-Nitroaniline	1.26	0.34	mg/Kg wet	1.67		75.9	30-140			†
4-Nitroaniline	1.51	0.34	mg/Kg wet	1.67		90.5	40-140			
Nitrobenzene	1.38	0.34	mg/Kg wet	1.67		82.8	40-140			
2-Nitrophenol	1.45	0.34	mg/Kg wet	1.67		86.8	30-130			
4-Nitrophenol	1.88	0.66	mg/Kg wet	1.67		113	30-130			V-06
N-Nitrosodimethylamine	1.18	0.34	mg/Kg wet	1.67		71.1	40-140			
N-Nitrosodiphenylamine/Diphenylamine	1.51	0.34	mg/Kg wet	1.67		90.8	40-140			
N-Nitrosodi-n-propylamine	1.46	0.34	mg/Kg wet	1.67		87.3	40-140			
Pentachloronitrobenzene	1.62	0.34	mg/Kg wet	1.67		97.3	40-140			
Pentachlorophenol	1.11	0.34	mg/Kg wet	1.67		66.5	30-130			
Phenanthrene	1.46	0.17	mg/Kg wet	1.67		87.7	40-140			
Phenol	1.36	0.34	mg/Kg wet	1.67		81.7	30-130			
Pyrene	1.72	0.17	mg/Kg wet	1.67		103	40-140			
Pyridine	0.629	0.34	mg/Kg wet	1.67		37.7	30-140			V-05 †
1,2,4,5-Tetrachlorobenzene	1.47	0.34	mg/Kg wet	1.67		88.0	40-140			
1,2,4-Trichlorobenzene	1.49	0.34	mg/Kg wet	1.67		89.4	40-140			
2,4,5-Trichlorophenol	1.53	0.34	mg/Kg wet	1.67		91.9	30-130			
2,4,6-Trichlorophenol	1.53	0.34	mg/Kg wet	1.67		91.9	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
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Batch B242999 - SW-846 3546

LCS (B242999-BS1)

Prepared: 10/11/19 Analyzed: 10/14/19

Surrogate: 2-Fluorophenol	5.82		mg/Kg wet	6.67		87.4	30-130			
Surrogate: Phenol-d6	5.82		mg/Kg wet	6.67		87.4	30-130			
Surrogate: Nitrobenzene-d5	3.00		mg/Kg wet	3.33		89.9	30-130			
Surrogate: 2-Fluorobiphenyl	3.19		mg/Kg wet	3.33		95.7	30-130			
Surrogate: 2,4,6-Tribromophenol	7.89		mg/Kg wet	6.67		118	30-130			
Surrogate: p-Terphenyl-d14	4.06		mg/Kg wet	3.33		122	30-130			

LCS Dup (B242999-BS1)

Prepared: 10/11/19 Analyzed: 10/14/19

Acenaphthene	1.33	0.17	mg/Kg wet	1.67		80.0	40-140	2.23	30	
Acenaphthylene	1.43	0.17	mg/Kg wet	1.67		85.9	40-140	0.420	30	
Acetophenone	1.43	0.34	mg/Kg wet	1.67		85.7	40-140	2.65	30	
Aniline	0.915	0.34	mg/Kg wet	1.67		54.9	10-140	4.69	50	† ‡
Anthracene	1.50	0.17	mg/Kg wet	1.67		90.2	40-140	1.97	30	
Benzidine	1.95	0.66	mg/Kg wet	1.67		117	40-140	9.26	30	V-35
Benzo(a)anthracene	1.59	0.17	mg/Kg wet	1.67		95.6	40-140	2.37	30	
Benzo(a)pyrene	1.55	0.17	mg/Kg wet	1.67		92.8	40-140	1.91	30	
Benzo(b)fluoranthene	1.60	0.17	mg/Kg wet	1.67		96.2	40-140	3.84	30	
Benzo(g,h,i)perylene	1.89	0.17	mg/Kg wet	1.67		113	40-140	1.08	30	
Benzo(k)fluoranthene	1.58	0.17	mg/Kg wet	1.67		95.0	40-140	2.56	30	
Benzoic Acid	0.592	1.0	mg/Kg wet	1.67		35.5	30-130	3.85	50	J ‡
Bis(2-chloroethoxy)methane	1.39	0.34	mg/Kg wet	1.67		83.3	40-140	0.457	30	
Bis(2-chloroethyl)ether	1.25	0.34	mg/Kg wet	1.67		75.2	40-140	1.53	30	
Bis(2-chloroisopropyl)ether	1.48	0.34	mg/Kg wet	1.67		88.9	40-140	0.270	30	
Bis(2-Ethylhexyl)phthalate	1.58	0.34	mg/Kg wet	1.67		94.7	40-140	0.379	30	
4-Bromophenylphenylether	1.48	0.34	mg/Kg wet	1.67		89.0	40-140	0.541	30	
Butylbenzylphthalate	1.64	0.34	mg/Kg wet	1.67		98.6	40-140	0.407	30	
Carbazole	1.49	0.17	mg/Kg wet	1.67		89.4	40-140	3.23	30	
4-Chloroaniline	0.982	0.66	mg/Kg wet	1.67		58.9	10-140	2.55	30	†
4-Chloro-3-methylphenol	1.54	0.66	mg/Kg wet	1.67		92.5	30-130	0.754	30	
2-Chloronaphthalene	1.30	0.34	mg/Kg wet	1.67		78.2	40-140	2.64	30	
2-Chlorophenol	1.34	0.34	mg/Kg wet	1.67		80.5	30-130	1.97	30	
4-Chlorophenylphenylether	1.59	0.34	mg/Kg wet	1.67		95.2	40-140	0.816	30	
Chrysene	1.53	0.17	mg/Kg wet	1.67		91.8	40-140	0.0436	30	
Dibenz(a,h)anthracene	1.86	0.17	mg/Kg wet	1.67		111	40-140	1.34	30	
Dibenzofuran	1.54	0.34	mg/Kg wet	1.67		92.5	40-140	0.694	30	
Di-n-butylphthalate	1.54	0.34	mg/Kg wet	1.67		92.5	40-140	2.45	30	
1,2-Dichlorobenzene	1.29	0.34	mg/Kg wet	1.67		77.4	40-140	1.00	30	
1,3-Dichlorobenzene	1.21	0.34	mg/Kg wet	1.67		72.9	40-140	0.0275	30	
1,4-Dichlorobenzene	1.25	0.34	mg/Kg wet	1.67		74.7	40-140	1.14	30	
3,3-Dichlorobenzidine	0.999	0.17	mg/Kg wet	1.67		59.9	20-140	0.872	50	† ‡
2,4-Dichlorophenol	1.49	0.34	mg/Kg wet	1.67		89.2	30-130	0.804	30	
Diethylphthalate	1.56	0.34	mg/Kg wet	1.67		93.7	40-140	0.772	30	
2,4-Dimethylphenol	1.29	0.34	mg/Kg wet	1.67		77.5	30-130	7.07	30	
Dimethylphthalate	1.54	0.34	mg/Kg wet	1.67		92.5	40-140	0.496	30	
4,6-Dinitro-2-methylphenol	1.15	0.34	mg/Kg wet	1.67		69.2	30-130	6.69	30	
2,4-Dinitrophenol	0.892	0.66	mg/Kg wet	1.67		53.5	30-130	0.525	30	
2,4-Dinitrotoluene	1.62	0.34	mg/Kg wet	1.67		97.2	40-140	0.165	30	
2,6-Dinitrotoluene	1.63	0.34	mg/Kg wet	1.67		97.7	40-140	0.917	30	
Di-n-octylphthalate	1.85	0.34	mg/Kg wet	1.67		111	40-140	2.20	30	
1,2-Diphenylhydrazine/Azobenzene	1.31	0.34	mg/Kg wet	1.67		78.8	40-140	0.253	30	
Fluoranthene	1.64	0.17	mg/Kg wet	1.67		98.4	40-140	4.30	30	
Fluorene	1.54	0.17	mg/Kg wet	1.67		92.6	40-140	0.108	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
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Batch B242999 - SW-846 3546

LCS Dup (B242999-BSD1)

Prepared: 10/11/19 Analyzed: 10/14/19

Hexachlorobenzene	1.56	0.34	mg/Kg wet	1.67		93.9	40-140	3.40	30	
Hexachlorobutadiene	1.53	0.34	mg/Kg wet	1.67		91.7	40-140	0.370	30	
Hexachlorocyclopentadiene	0.822	0.34	mg/Kg wet	1.67		49.3	40-140	6.82	30	V-05
Hexachloroethane	1.26	0.34	mg/Kg wet	1.67		75.7	40-140	2.01	30	
Indeno(1,2,3-cd)pyrene	2.04	0.17	mg/Kg wet	1.67		122	40-140	3.02	30	
Isophorone	1.49	0.34	mg/Kg wet	1.67		89.3	40-140	1.42	30	
1-Methylnaphthalene	1.37	0.17	mg/Kg wet	1.67		82.1	40-140	1.47	30	
2-Methylnaphthalene	1.64	0.17	mg/Kg wet	1.67		98.7	40-140	0.406	30	
2-Methylphenol	1.33	0.34	mg/Kg wet	1.67		79.7	30-130	3.64	30	
3/4-Methylphenol	1.41	0.34	mg/Kg wet	1.67		84.4	30-130	1.86	30	
Naphthalene	1.40	0.17	mg/Kg wet	1.67		84.0	40-140	1.14	30	
2-Nitroaniline	1.45	0.34	mg/Kg wet	1.67		87.2	40-140	0.621	30	
3-Nitroaniline	1.26	0.34	mg/Kg wet	1.67		75.9	30-140	0.00	30	†
4-Nitroaniline	1.56	0.34	mg/Kg wet	1.67		93.7	40-140	3.41	30	
Nitrobenzene	1.39	0.34	mg/Kg wet	1.67		83.2	40-140	0.506	30	
2-Nitrophenol	1.44	0.34	mg/Kg wet	1.67		86.4	30-130	0.485	30	
4-Nitrophenol	1.94	0.66	mg/Kg wet	1.67		116	30-130	3.27	50	V-06 ‡
N-Nitrosodimethylamine	1.20	0.34	mg/Kg wet	1.67		72.0	40-140	1.26	30	
N-Nitrosodiphenylamine/Diphenylamine	1.53	0.34	mg/Kg wet	1.67		91.6	40-140	0.899	30	
N-Nitrosodi-n-propylamine	1.42	0.34	mg/Kg wet	1.67		85.3	40-140	2.36	30	
Pentachloronitrobenzene	1.62	0.34	mg/Kg wet	1.67		97.4	40-140	0.164	30	
Pentachlorophenol	1.07	0.34	mg/Kg wet	1.67		64.4	30-130	3.24	30	
Phenanthrene	1.51	0.17	mg/Kg wet	1.67		90.6	40-140	3.23	30	
Phenol	1.29	0.34	mg/Kg wet	1.67		77.6	30-130	5.15	30	
Pyrene	1.73	0.17	mg/Kg wet	1.67		104	40-140	0.368	30	
Pyridine	0.602	0.34	mg/Kg wet	1.67		36.1	30-140	4.44	30	V-05 †
1,2,4,5-Tetrachlorobenzene	1.49	0.34	mg/Kg wet	1.67		89.3	40-140	1.47	30	
1,2,4-Trichlorobenzene	1.46	0.34	mg/Kg wet	1.67		87.5	40-140	2.15	30	
2,4,5-Trichlorophenol	1.52	0.34	mg/Kg wet	1.67		91.3	30-130	0.655	30	
2,4,6-Trichlorophenol	1.52	0.34	mg/Kg wet	1.67		90.9	30-130	1.05	30	

Surrogate: 2-Fluorophenol	5.64		mg/Kg wet	6.67		84.6	30-130			
Surrogate: Phenol-d6	5.65		mg/Kg wet	6.67		84.8	30-130			
Surrogate: Nitrobenzene-d5	2.94		mg/Kg wet	3.33		88.3	30-130			
Surrogate: 2-Fluorobiphenyl	3.10		mg/Kg wet	3.33		92.9	30-130			
Surrogate: 2,4,6-Tribromophenol	7.80		mg/Kg wet	6.67		117	30-130			
Surrogate: p-Terphenyl-d14	4.06		mg/Kg wet	3.33		122	30-130			

Batch B243130 - SW-846 3546

Blank (B243130-BLK1)

Prepared: 10/14/19 Analyzed: 10/15/19

Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Acetophenone	ND	0.34	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzidine	ND	0.66	mg/Kg wet							V-35
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							
Benzoic Acid	ND	1.0	mg/Kg wet							L-04
Bis(2-chloroethoxy)methane	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 B243130 - SW-846 3546										
Blank (B243130-BLK1)										
					Prepared: 10/14/19 Analyzed: 10/15/19					
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							
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							L-04
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
1,2-Diphenylhydrazine/Azobenzene	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.34	mg/Kg wet							V-05, L-04
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							
1-Methylnaphthalene	ND	0.17	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							
4-Nitrophenol	ND	0.66	mg/Kg wet							V-20
N-Nitrosodimethylamine	ND	0.34	mg/Kg wet							
N-Nitrosodiphenylamine/Diphenylamine	ND	0.34	mg/Kg wet							
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet							
Pentachloronitrobenzene	ND	0.34	mg/Kg wet							

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B243130 - SW-846 3546										
Blank (B243130-BLK1)										
Prepared: 10/14/19 Analyzed: 10/15/19										
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	3.95		mg/Kg wet	6.67		59.2	30-130			
Surrogate: Phenol-d6	4.09		mg/Kg wet	6.67		61.3	30-130			
Surrogate: Nitrobenzene-d5	2.07		mg/Kg wet	3.33		62.2	30-130			
Surrogate: 2-Fluorobiphenyl	2.22		mg/Kg wet	3.33		66.7	30-130			
Surrogate: 2,4,6-Tribromophenol	6.35		mg/Kg wet	6.67		95.3	30-130			
Surrogate: p-Terphenyl-d14	3.37		mg/Kg wet	3.33		101	30-130			
LCS (B243130-BS1)										
Prepared: 10/14/19 Analyzed: 10/15/19										
Acenaphthene	1.10	0.17	mg/Kg wet	1.67		66.1	40-140			
Acenaphthylene	1.19	0.17	mg/Kg wet	1.67		71.4	40-140			
Acetophenone	1.26	0.34	mg/Kg wet	1.67		75.4	40-140			
Aniline	1.09	0.34	mg/Kg wet	1.67		65.3	10-140			†
Anthracene	1.23	0.17	mg/Kg wet	1.67		73.6	40-140			
Benzidine	2.42	0.66	mg/Kg wet	1.67		145	* 40-140			L-02, V-35
Benzo(a)anthracene	1.30	0.17	mg/Kg wet	1.67		77.9	40-140			
Benzo(a)pyrene	1.27	0.17	mg/Kg wet	1.67		76.1	40-140			
Benzo(b)fluoranthene	1.29	0.17	mg/Kg wet	1.67		77.5	40-140			
Benzo(g,h,i)perylene	1.34	0.17	mg/Kg wet	1.67		80.2	40-140			
Benzo(k)fluoranthene	1.29	0.17	mg/Kg wet	1.67		77.5	40-140			
Benzoic Acid	0.466	1.0	mg/Kg wet	1.67		27.9	* 30-130			L-04, J
Bis(2-chloroethoxy)methane	1.21	0.34	mg/Kg wet	1.67		72.8	40-140			
Bis(2-chloroethyl)ether	1.13	0.34	mg/Kg wet	1.67		67.7	40-140			
Bis(2-chloroisopropyl)ether	1.37	0.34	mg/Kg wet	1.67		82.0	40-140			
Bis(2-Ethylhexyl)phthalate	1.45	0.34	mg/Kg wet	1.67		87.2	40-140			
4-Bromophenylphenylether	1.25	0.34	mg/Kg wet	1.67		74.9	40-140			
Butylbenzylphthalate	1.39	0.34	mg/Kg wet	1.67		83.4	40-140			
Carbazole	1.17	0.17	mg/Kg wet	1.67		70.3	40-140			
4-Chloroaniline	1.16	0.66	mg/Kg wet	1.67		69.6	10-140			†
4-Chloro-3-methylphenol	1.35	0.66	mg/Kg wet	1.67		81.1	30-130			
2-Chloronaphthalene	1.12	0.34	mg/Kg wet	1.67		67.0	40-140			
2-Chlorophenol	1.16	0.34	mg/Kg wet	1.67		69.9	30-130			
4-Chlorophenylphenylether	1.31	0.34	mg/Kg wet	1.67		78.8	40-140			
Chrysene	1.26	0.17	mg/Kg wet	1.67		75.5	40-140			
Dibenz(a,h)anthracene	1.34	0.17	mg/Kg wet	1.67		80.2	40-140			
Dibenzofuran	1.24	0.34	mg/Kg wet	1.67		74.3	40-140			
Di-n-butylphthalate	1.32	0.34	mg/Kg wet	1.67		79.4	40-140			
1,2-Dichlorobenzene	1.03	0.34	mg/Kg wet	1.67		61.9	40-140			
1,3-Dichlorobenzene	0.990	0.34	mg/Kg wet	1.67		59.4	40-140			
1,4-Dichlorobenzene	1.02	0.34	mg/Kg wet	1.67		61.2	40-140			
3,3-Dichlorobenzidine	1.22	0.17	mg/Kg wet	1.67		73.2	20-140			†
2,4-Dichlorophenol	1.26	0.34	mg/Kg wet	1.67		75.5	30-130			
Diethylphthalate	1.31	0.34	mg/Kg wet	1.67		78.6	40-140			
2,4-Dimethylphenol	1.19	0.34	mg/Kg wet	1.67		71.5	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 B243130 - SW-846 3546										
LCS (B243130-BS1)										
					Prepared: 10/14/19 Analyzed: 10/15/19					
Dimethylphthalate	1.30	0.34	mg/Kg wet	1.67		78.2	40-140			
4,6-Dinitro-2-methylphenol	0.695	0.34	mg/Kg wet	1.67		41.7	30-130			
2,4-Dinitrophenol	0.489	0.66	mg/Kg wet	1.67		29.4	* 30-130			L-04, J
2,4-Dinitrotoluene	1.34	0.34	mg/Kg wet	1.67		80.2	40-140			
2,6-Dinitrotoluene	1.35	0.34	mg/Kg wet	1.67		81.0	40-140			
Di-n-octylphthalate	1.47	0.34	mg/Kg wet	1.67		88.1	40-140			
1,2-Diphenylhydrazine/Azobenzene	1.22	0.34	mg/Kg wet	1.67		73.1	40-140			
Fluoranthene	1.22	0.17	mg/Kg wet	1.67		73.2	40-140			
Fluorene	1.26	0.17	mg/Kg wet	1.67		75.9	40-140			
Hexachlorobenzene	1.23	0.34	mg/Kg wet	1.67		73.6	40-140			
Hexachlorobutadiene	1.18	0.34	mg/Kg wet	1.67		70.8	40-140			
Hexachlorocyclopentadiene	0.618	0.34	mg/Kg wet	1.67		37.1	* 40-140			L-04, V-05
Hexachloroethane	1.06	0.34	mg/Kg wet	1.67		63.6	40-140			
Indeno(1,2,3-cd)pyrene	1.49	0.17	mg/Kg wet	1.67		89.2	40-140			
Isophorone	1.36	0.34	mg/Kg wet	1.67		81.5	40-140			
1-Methylnaphthalene	1.14	0.17	mg/Kg wet	1.67		68.1	40-140			
2-Methylnaphthalene	1.36	0.17	mg/Kg wet	1.67		81.6	40-140			
2-Methylphenol	1.19	0.34	mg/Kg wet	1.67		71.2	30-130			
3/4-Methylphenol	1.27	0.34	mg/Kg wet	1.67		76.4	30-130			
Naphthalene	1.15	0.17	mg/Kg wet	1.67		68.9	40-140			
2-Nitroaniline	1.27	0.34	mg/Kg wet	1.67		76.2	40-140			
3-Nitroaniline	1.17	0.34	mg/Kg wet	1.67		70.0	30-140			†
4-Nitroaniline	1.25	0.34	mg/Kg wet	1.67		75.2	40-140			
Nitrobenzene	1.21	0.34	mg/Kg wet	1.67		72.9	40-140			
2-Nitrophenol	1.19	0.34	mg/Kg wet	1.67		71.1	30-130			
4-Nitrophenol	1.60	0.66	mg/Kg wet	1.67		96.1	30-130			V-06
N-Nitrosodimethylamine	1.05	0.34	mg/Kg wet	1.67		62.7	40-140			
N-Nitrosodiphenylamine/Diphenylamine	1.31	0.34	mg/Kg wet	1.67		78.7	40-140			
N-Nitrosodi-n-propylamine	1.36	0.34	mg/Kg wet	1.67		81.3	40-140			
Pentachloronitrobenzene	1.30	0.34	mg/Kg wet	1.67		78.0	40-140			
Pentachlorophenol	0.959	0.34	mg/Kg wet	1.67		57.5	30-130			
Phenanthrene	1.23	0.17	mg/Kg wet	1.67		73.7	40-140			
Phenol	1.17	0.34	mg/Kg wet	1.67		70.4	30-130			
Pyrene	1.34	0.17	mg/Kg wet	1.67		80.3	40-140			
Pyridine	0.512	0.34	mg/Kg wet	1.67		30.7	30-140			†
1,2,4,5-Tetrachlorobenzene	1.18	0.34	mg/Kg wet	1.67		70.6	40-140			
1,2,4-Trichlorobenzene	1.18	0.34	mg/Kg wet	1.67		70.7	40-140			
2,4,5-Trichlorophenol	1.24	0.34	mg/Kg wet	1.67		74.7	30-130			
2,4,6-Trichlorophenol	1.26	0.34	mg/Kg wet	1.67		75.5	30-130			
Surrogate: 2-Fluorophenol	4.91		mg/Kg wet	6.67		73.6	30-130			
Surrogate: Phenol-d6	5.20		mg/Kg wet	6.67		78.0	30-130			
Surrogate: Nitrobenzene-d5	2.59		mg/Kg wet	3.33		77.8	30-130			
Surrogate: 2-Fluorobiphenyl	2.59		mg/Kg wet	3.33		77.6	30-130			
Surrogate: 2,4,6-Tribromophenol	6.06		mg/Kg wet	6.67		90.9	30-130			
Surrogate: p-Terphenyl-d14	3.22		mg/Kg wet	3.33		96.7	30-130			

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B243130 - SW-846 3546										
LCS Dup (B243130-BSD1)										
					Prepared: 10/14/19 Analyzed: 10/15/19					
Acenaphthene	1.10	0.17	mg/Kg wet	1.67		65.8	40-140	0.364	30	
Acenaphthylene	1.16	0.17	mg/Kg wet	1.67		69.8	40-140	2.18	30	
Acetophenone	1.15	0.34	mg/Kg wet	1.67		68.8	40-140	9.26	30	
Aniline	1.01	0.34	mg/Kg wet	1.67		60.6	10-140	7.50	50	† ‡
Anthracene	1.24	0.17	mg/Kg wet	1.67		74.3	40-140	0.920	30	
Benzidine	2.44	0.66	mg/Kg wet	1.67		146	* 40-140	0.781	30	L-02, V-35
Benzo(a)anthracene	1.32	0.17	mg/Kg wet	1.67		79.1	40-140	1.55	30	
Benzo(a)pyrene	1.30	0.17	mg/Kg wet	1.67		77.9	40-140	2.34	30	
Benzo(b)fluoranthene	1.31	0.17	mg/Kg wet	1.67		78.7	40-140	1.64	30	
Benzo(g,h,i)perylene	1.31	0.17	mg/Kg wet	1.67		78.9	40-140	1.68	30	
Benzo(k)fluoranthene	1.32	0.17	mg/Kg wet	1.67		79.5	40-140	2.60	30	
Benzoic Acid	0.448	1.0	mg/Kg wet	1.67		26.9	* 30-130	3.87	50	L-04, J ‡
Bis(2-chloroethoxy)methane	1.16	0.34	mg/Kg wet	1.67		69.5	40-140	4.64	30	
Bis(2-chloroethyl)ether	1.03	0.34	mg/Kg wet	1.67		61.9	40-140	9.04	30	
Bis(2-chloroisopropyl)ether	1.19	0.34	mg/Kg wet	1.67		71.6	40-140	13.5	30	
Bis(2-Ethylhexyl)phthalate	1.42	0.34	mg/Kg wet	1.67		85.1	40-140	2.44	30	
4-Bromophenylphenylether	1.21	0.34	mg/Kg wet	1.67		72.8	40-140	2.79	30	
Butylbenzylphthalate	1.39	0.34	mg/Kg wet	1.67		83.2	40-140	0.288	30	
Carbazole	1.21	0.17	mg/Kg wet	1.67		72.3	40-140	2.80	30	
4-Chloroaniline	1.12	0.66	mg/Kg wet	1.67		67.4	10-140	3.12	30	†
4-Chloro-3-methylphenol	1.37	0.66	mg/Kg wet	1.67		81.9	30-130	0.957	30	
2-Chloronaphthalene	1.12	0.34	mg/Kg wet	1.67		67.3	40-140	0.447	30	
2-Chlorophenol	1.10	0.34	mg/Kg wet	1.67		65.8	30-130	6.05	30	
4-Chlorophenylphenylether	1.33	0.34	mg/Kg wet	1.67		80.0	40-140	1.51	30	
Chrysene	1.29	0.17	mg/Kg wet	1.67		77.4	40-140	2.56	30	
Dibenz(a,h)anthracene	1.34	0.17	mg/Kg wet	1.67		80.2	40-140	0.0250	30	
Dibenzofuran	1.26	0.34	mg/Kg wet	1.67		75.6	40-140	1.74	30	
Di-n-butylphthalate	1.33	0.34	mg/Kg wet	1.67		80.1	40-140	0.878	30	
1,2-Dichlorobenzene	0.992	0.34	mg/Kg wet	1.67		59.5	40-140	3.95	30	
1,3-Dichlorobenzene	0.954	0.34	mg/Kg wet	1.67		57.3	40-140	3.70	30	
1,4-Dichlorobenzene	0.973	0.34	mg/Kg wet	1.67		58.4	40-140	4.75	30	
3,3-Dichlorobenzidine	1.21	0.17	mg/Kg wet	1.67		72.6	20-140	0.850	50	† ‡
2,4-Dichlorophenol	1.25	0.34	mg/Kg wet	1.67		75.0	30-130	0.691	30	
Diethylphthalate	1.34	0.34	mg/Kg wet	1.67		80.4	40-140	2.19	30	
2,4-Dimethylphenol	1.20	0.34	mg/Kg wet	1.67		72.1	30-130	0.780	30	
Dimethylphthalate	1.32	0.34	mg/Kg wet	1.67		79.4	40-140	1.60	30	
4,6-Dinitro-2-methylphenol	0.677	0.34	mg/Kg wet	1.67		40.6	30-130	2.62	30	
2,4-Dinitrophenol	0.492	0.66	mg/Kg wet	1.67		29.5	* 30-130	0.611	30	L-04, J
2,4-Dinitrotoluene	1.40	0.34	mg/Kg wet	1.67		84.1	40-140	4.70	30	
2,6-Dinitrotoluene	1.41	0.34	mg/Kg wet	1.67		84.5	40-140	4.23	30	
Di-n-octylphthalate	1.42	0.34	mg/Kg wet	1.67		85.4	40-140	3.14	30	
1,2-Diphenylhydrazine/Azobenzene	1.12	0.34	mg/Kg wet	1.67		67.1	40-140	8.53	30	
Fluoranthene	1.29	0.17	mg/Kg wet	1.67		77.6	40-140	5.76	30	
Fluorene	1.29	0.17	mg/Kg wet	1.67		77.3	40-140	1.80	30	
Hexachlorobenzene	1.24	0.34	mg/Kg wet	1.67		74.3	40-140	1.00	30	
Hexachlorobutadiene	1.21	0.34	mg/Kg wet	1.67		72.4	40-140	2.29	30	
Hexachlorocyclopentadiene	0.603	0.34	mg/Kg wet	1.67		36.2	* 40-140	2.51	30	L-04, V-05
Hexachloroethane	0.978	0.34	mg/Kg wet	1.67		58.7	40-140	8.05	30	
Indeno(1,2,3-cd)pyrene	1.47	0.17	mg/Kg wet	1.67		88.1	40-140	1.20	30	
Isophorone	1.28	0.34	mg/Kg wet	1.67		76.7	40-140	6.04	30	
1-Methylnaphthalene	1.11	0.17	mg/Kg wet	1.67		66.5	40-140	2.38	30	
2-Methylnaphthalene	1.32	0.17	mg/Kg wet	1.67		79.2	40-140	2.99	30	

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

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 B243130 - SW-846 3546										
LCS Dup (B243130-BSD1)										
					Prepared: 10/14/19 Analyzed: 10/15/19					
2-Methylphenol	1.09	0.34	mg/Kg wet	1.67		65.3	30-130	8.56	30	
3/4-Methylphenol	1.16	0.34	mg/Kg wet	1.67		69.8	30-130	9.03	30	
Naphthalene	1.12	0.17	mg/Kg wet	1.67		67.2	40-140	2.44	30	
2-Nitroaniline	1.29	0.34	mg/Kg wet	1.67		77.5	40-140	1.67	30	
3-Nitroaniline	1.24	0.34	mg/Kg wet	1.67		74.3	30-140	5.93	30	†
4-Nitroaniline	1.33	0.34	mg/Kg wet	1.67		80.1	40-140	6.23	30	
Nitrobenzene	1.16	0.34	mg/Kg wet	1.67		69.9	40-140	4.17	30	
2-Nitrophenol	1.16	0.34	mg/Kg wet	1.67		69.6	30-130	2.25	30	
4-Nitrophenol	1.67	0.66	mg/Kg wet	1.67		100	30-130	4.20	50	V-06 ‡
N-Nitrosodimethylamine	0.946	0.34	mg/Kg wet	1.67		56.7	40-140	10.0	30	
N-Nitrosodiphenylamine/Diphenylamine	1.27	0.34	mg/Kg wet	1.67		76.2	40-140	3.25	30	
N-Nitrosodi-n-propylamine	1.20	0.34	mg/Kg wet	1.67		71.8	40-140	12.4	30	
Pentachloronitrobenzene	1.32	0.34	mg/Kg wet	1.67		79.3	40-140	1.58	30	
Pentachlorophenol	0.970	0.34	mg/Kg wet	1.67		58.2	30-130	1.18	30	
Phenanthrene	1.21	0.17	mg/Kg wet	1.67		72.6	40-140	1.50	30	
Phenol	1.10	0.34	mg/Kg wet	1.67		65.8	30-130	6.72	30	
Pyrene	1.37	0.17	mg/Kg wet	1.67		82.2	40-140	2.41	30	
Pyridine	0.476	0.34	mg/Kg wet	1.67		28.6 *	30-140	7.35	30	L-07 †
1,2,4,5-Tetrachlorobenzene	1.16	0.34	mg/Kg wet	1.67		69.5	40-140	1.60	30	
1,2,4-Trichlorobenzene	1.16	0.34	mg/Kg wet	1.67		69.7	40-140	1.42	30	
2,4,5-Trichlorophenol	1.26	0.34	mg/Kg wet	1.67		75.5	30-130	1.17	30	
2,4,6-Trichlorophenol	1.24	0.34	mg/Kg wet	1.67		74.3	30-130	1.55	30	
Surrogate: 2-Fluorophenol	4.46		mg/Kg wet	6.67		66.9	30-130			
Surrogate: Phenol-d6	4.72		mg/Kg wet	6.67		70.8	30-130			
Surrogate: Nitrobenzene-d5	2.42		mg/Kg wet	3.33		72.7	30-130			
Surrogate: 2-Fluorobiphenyl	2.50		mg/Kg wet	3.33		74.9	30-130			
Surrogate: 2,4,6-Tribromophenol	6.49		mg/Kg wet	6.67		97.4	30-130			
Surrogate: p-Terphenyl-d14	3.24		mg/Kg wet	3.33		97.2	30-130			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B242417 - SW-846 3540C										
Blank (B242417-BLK1)										
Prepared: 10/07/19 Analyzed: 10/09/19										
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	0.175		mg/Kg wet	0.200		87.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.191		mg/Kg wet	0.200		95.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.155		mg/Kg wet	0.200		77.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.154		mg/Kg wet	0.200		76.8	30-150			
LCS (B242417-BS1)										
Prepared: 10/07/19 Analyzed: 10/09/19										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		79.5	40-140			
Aroclor-1016 [2C]	0.15	0.020	mg/Kg wet	0.200		74.6	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		78.4	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		78.4	40-140			
Surrogate: Decachlorobiphenyl	0.173		mg/Kg wet	0.200		86.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.189		mg/Kg wet	0.200		94.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.160		mg/Kg wet	0.200		80.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.157		mg/Kg wet	0.200		78.5	30-150			
LCS Dup (B242417-BSD1)										
Prepared: 10/07/19 Analyzed: 10/09/19										
Aroclor-1016	0.14	0.020	mg/Kg wet	0.200		69.9	40-140	12.8	30	
Aroclor-1016 [2C]	0.14	0.020	mg/Kg wet	0.200		67.8	40-140	9.62	30	
Aroclor-1260	0.14	0.020	mg/Kg wet	0.200		69.5	40-140	12.0	30	
Aroclor-1260 [2C]	0.14	0.020	mg/Kg wet	0.200		69.3	40-140	12.3	30	
Surrogate: Decachlorobiphenyl	0.159		mg/Kg wet	0.200		79.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.174		mg/Kg wet	0.200		86.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.142		mg/Kg wet	0.200		71.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.143		mg/Kg wet	0.200		71.5	30-150			

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B242992 - SW-846 7471										
Blank (B242992-BLK1)					Prepared: 10/11/19 Analyzed: 10/12/19					
Mercury	ND	0.025	mg/Kg wet							
LCS (B242992-BS1)					Prepared: 10/11/19 Analyzed: 10/12/19					
Mercury	3.08	0.39	mg/Kg wet	2.93		105	71.3-128.7			
LCS Dup (B242992-BSD1)					Prepared: 10/11/19 Analyzed: 10/12/19					
Mercury	3.13	0.39	mg/Kg wet	2.93		107	71.3-128.7	1.61	20	
Batch B243002 - SW-846 3050B										
Blank (B243002-BLK1)					Prepared: 10/11/19 Analyzed: 10/14/19					
Arsenic	ND	1.7	mg/Kg wet							
Barium	ND	1.7	mg/Kg wet							
Cadmium	ND	0.17	mg/Kg wet							
Chromium	ND	0.33	mg/Kg wet							
Lead	ND	0.50	mg/Kg wet							
Selenium	ND	3.3	mg/Kg wet							
Silver	ND	0.33	mg/Kg wet							
LCS (B243002-BS1)					Prepared: 10/11/19 Analyzed: 10/14/19					
Arsenic	111	5.0	mg/Kg wet	125		88.6	82.4-116.8			
Barium	561	5.0	mg/Kg wet	529		106	81.7-118.5			
Cadmium	39.9	0.50	mg/Kg wet	37.7		106	82.2-117.5			
Chromium	50.7	1.0	mg/Kg wet	58.3		87.0	82-118.2			
Lead	96.8	1.5	mg/Kg wet	111		87.2	82.3-117.1			
Selenium	223	10	mg/Kg wet	251		88.9	78.9-121.5			
Silver	26.5	1.0	mg/Kg wet	27.2		97.5	79-121			
LCS Dup (B243002-BSD1)					Prepared: 10/11/19 Analyzed: 10/14/19					
Arsenic	114	4.8	mg/Kg wet	125		91.2	82.4-116.8	2.94	30	
Barium	553	4.8	mg/Kg wet	529		105	81.7-118.5	1.35	20	
Cadmium	38.6	0.48	mg/Kg wet	37.7		102	82.2-117.5	3.22	20	
Chromium	53.0	0.96	mg/Kg wet	58.3		90.9	82-118.2	4.34	30	
Lead	99.8	1.4	mg/Kg wet	111		89.9	82.3-117.1	3.03	30	
Selenium	226	9.6	mg/Kg wet	251		89.8	78.9-121.5	1.10	30	
Silver	27.7	0.96	mg/Kg wet	27.2		102	79-121	4.41	30	
MRL Check (B243002-MRL1)					Prepared: 10/11/19 Analyzed: 10/14/19					
Lead	0.490	0.48	mg/Kg wet	0.484		101	80-120			

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

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
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Batch B242513 - % Solids

Duplicate (B242513-DUP1)

Source: 19J0393-01

Prepared & Analyzed: 10/08/19

% Solids	48.8		% Wt		46.7			4.51	20	
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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

TCLP - Metals Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B242764 - SW-846 3010A										
Blank (B242764-BLK1)				Prepared: 10/09/19 Analyzed: 10/10/19						
Lead	ND	0.10	mg/L							
LCS (B242764-BS1)				Prepared: 10/09/19 Analyzed: 10/10/19						
Lead	0.480	0.10	mg/L	0.500		96.0	80-120			
LCS Dup (B242764-BSD1)				Prepared: 10/09/19 Analyzed: 10/10/19						
Lead	0.485	0.10	mg/L	0.500		96.9	80-120	0.927	20	
Matrix Spike (B242764-MS1)				Source: 19J0393-01		Prepared: 10/09/19 Analyzed: 10/10/19				
Lead	0.507	0.10	mg/L	0.500	0.0365	94.1	75-125			

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8082A

Lab Sample ID: B242417-BS1 Date(s) Analyzed: 10/09/2019 10/09/2019

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.15	6.5
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.16	0.0

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B242417-BSD1 Date(s) Analyzed: 10/09/2019 10/09/2019

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.14	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.14	0.0

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
 - ND Not Detected
 - RL Reporting Limit is at the level of quantitation (LOQ)
 - DL Detection Limit is the lower limit of detection determined by the MDL study
 - MCL Maximum Contaminant 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.
- J Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
 - L-02 Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
 - L-04 Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
 - L-07 Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
 - PR-03 Sample preserved in the laboratory, not in the field as required by the method.
 - PR-15 According to the NY ELAP program, all voa results less than 0.2mg/Kg are estimated and biased low if not collected according to SW-846 5035-L/5035A-L.
 - R-05 Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
 - V-05 Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
 - V-06 Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
 - V-20 Continuing calibration verification (CCV) 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-34 Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
 - V-35 Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6010D in Soil	
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
SW-846 6010D in Water	
Lead	NY,CT,ME,NC,NH,VA
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1262	NY,NC,VA,PA
Aroclor-1262 [2C]	NY,NC,VA,PA
Aroclor-1268	NY,NC,VA,PA
Aroclor-1268 [2C]	NY,NC,VA,PA
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME,VA
Acrylonitrile	CT,NH,NY,ME,VA
Benzene	CT,NH,NY,ME,VA
Bromobenzene	NH,NY,ME,VA
Bromochloromethane	NH,NY,ME,VA
Bromodichloromethane	CT,NH,NY,ME,VA
Bromoform	CT,NH,NY,ME,VA
Bromomethane	CT,NH,NY,ME,VA
2-Butanone (MEK)	CT,NH,NY,ME,VA
n-Butylbenzene	CT,NH,NY,ME,VA
sec-Butylbenzene	CT,NH,NY,ME,VA
tert-Butylbenzene	CT,NH,NY,ME,VA
Carbon Disulfide	CT,NH,NY,ME,VA
Carbon Tetrachloride	CT,NH,NY,ME,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
Chlorobenzene	CT,NH,NY,ME,VA
Chlorodibromomethane	CT,NH,NY,ME,VA
Chloroethane	CT,NH,NY,ME,VA
Chloroform	CT,NH,NY,ME,VA
Chloromethane	CT,NH,NY,ME,VA
2-Chlorotoluene	CT,NH,NY,ME,VA
4-Chlorotoluene	CT,NH,NY,ME,VA
1,2-Dibromo-3-chloropropane (DBCP)	NY
Dibromomethane	NH,NY,ME,VA
1,2-Dichlorobenzene	CT,NH,NY,ME,VA
1,3-Dichlorobenzene	CT,NH,NY,ME,VA
1,4-Dichlorobenzene	CT,NH,NY,ME,VA
Dichlorodifluoromethane (Freon 12)	NY,ME,VA
1,1-Dichloroethane	CT,NH,NY,ME,VA
1,2-Dichloroethane	CT,NH,NY,ME,VA
1,1-Dichloroethylene	CT,NH,NY,ME,VA
cis-1,2-Dichloroethylene	CT,NH,NY,ME,VA
trans-1,2-Dichloroethylene	CT,NH,NY,ME,VA
1,2-Dichloropropane	CT,NH,NY,ME,VA
1,3-Dichloropropane	NH,NY,ME,VA
2,2-Dichloropropane	NH,NY,ME,VA
1,1-Dichloropropene	NH,NY,ME,VA
cis-1,3-Dichloropropene	CT,NH,NY,ME,VA
trans-1,3-Dichloropropene	CT,NH,NY,ME,VA
Ethylbenzene	CT,NH,NY,ME,VA
Hexachlorobutadiene	NH,NY,ME,VA
2-Hexanone (MBK)	CT,NH,NY,ME,VA
Isopropylbenzene (Cumene)	CT,NH,NY,ME,VA
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NY,VA
Methylene Chloride	CT,NH,NY,ME,VA
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,VA
Naphthalene	NH,NY,ME,VA
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME,VA
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME,VA
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME,VA
Tetrachloroethylene	CT,NH,NY,ME,VA
Toluene	CT,NH,NY,ME,VA
1,2,4-Trichlorobenzene	NH,NY,ME,VA
1,1,1-Trichloroethane	CT,NH,NY,ME,VA
1,1,2-Trichloroethane	CT,NH,NY,ME,VA
Trichloroethylene	CT,NH,NY,ME,VA
Trichlorofluoromethane (Freon 11)	CT,NH,NY,VA
1,2,3-Trichloropropane	NH,NY,ME,VA
1,2,4-Trimethylbenzene	CT,NH,NY,ME,VA
1,3,5-Trimethylbenzene	CT,NH,NY,ME,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
Vinyl Chloride	CT,NH,NY,ME,VA
m+p Xylene	CT,NH,NY,ME,VA
o-Xylene	CT,NH,NY,ME,VA
SW-846 8260C-D in Soil	
Acetone	CT,NH,NY,ME,VA
Acrylonitrile	CT,NH,NY,ME,VA
Benzene	CT,NH,NY,ME,VA
Bromobenzene	NH,NY,ME,VA
Bromochloromethane	NH,NY,ME,VA
Bromodichloromethane	CT,NH,NY,ME,VA
Bromoform	CT,NH,NY,ME,VA
Bromomethane	CT,NH,NY,ME,VA
2-Butanone (MEK)	CT,NH,NY,ME,VA
tert-Butyl Alcohol (TBA)	NY
n-Butylbenzene	CT,NH,NY,ME,VA
sec-Butylbenzene	CT,NH,NY,ME,VA
tert-Butylbenzene	CT,NH,NY,ME,VA
Carbon Disulfide	CT,NH,NY,ME,VA
Carbon Tetrachloride	CT,NH,NY,ME,VA
Chlorobenzene	CT,NH,NY,ME,VA
Chlorodibromomethane	CT,NH,NY,ME,VA
Chloroethane	CT,NH,NY,ME,VA
Chloroform	CT,NH,NY,ME,VA
Chloromethane	CT,NH,NY,ME,VA
2-Chlorotoluene	CT,NH,NY,ME,VA
4-Chlorotoluene	CT,NH,NY,ME,VA
1,2-Dibromo-3-chloropropane (DBCP)	NY
Dibromomethane	NH,NY,ME,VA
1,2-Dichlorobenzene	CT,NH,NY,ME,VA
1,3-Dichlorobenzene	CT,NH,NY,ME,VA
1,4-Dichlorobenzene	CT,NH,NY,ME,VA
trans-1,4-Dichloro-2-butene	NY
Dichlorodifluoromethane (Freon 12)	NH,NY,ME,VA
1,1-Dichloroethane	CT,NH,NY,ME,VA
1,2-Dichloroethane	CT,NH,NY,ME,VA
1,1-Dichloroethylene	CT,NH,NY,ME,VA
cis-1,2-Dichloroethylene	CT,NH,NY,ME,VA
trans-1,2-Dichloroethylene	CT,NH,NY,ME,VA
1,2-Dichloropropane	CT,NH,NY,ME,VA
1,3-Dichloropropane	NH,NY,ME,VA
2,2-Dichloropropane	NH,NY,ME,VA
1,1-Dichloropropene	NH,NY,ME,VA
cis-1,3-Dichloropropene	CT,NH,NY,ME,VA
trans-1,3-Dichloropropene	CT,NH,NY,ME,VA
1,4-Dioxane	NY
Ethylbenzene	CT,NH,NY,ME,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C-D in Soil</i>	
Hexachlorobutadiene	NH,NY,ME,VA
2-Hexanone (MBK)	CT,NH,NY,ME,VA
Isopropylbenzene (Cumene)	CT,NH,NY,ME,VA
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl Acetate	NY
Methyl tert-Butyl Ether (MTBE)	NY,VA
Methyl Cyclohexane	NY
Methylene Chloride	CT,NH,NY,ME,VA
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,VA
Naphthalene	NH,NY,ME,VA
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME,VA
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME,VA
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME,VA
Tetrachloroethylene	CT,NH,NY,ME,VA
Toluene	CT,NH,NY,ME,VA
1,2,3-Trichlorobenzene	NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME,VA
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,NH,NY,ME,VA
1,1,2-Trichloroethane	CT,NH,NY,ME,VA
Trichloroethylene	CT,NH,NY,ME,VA
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME,VA
1,2,3-Trichloropropane	NH,NY,ME,VA
1,2,4-Trimethylbenzene	CT,NH,NY,ME,VA
1,3,5-Trimethylbenzene	CT,NH,NY,ME,VA
Vinyl Chloride	CT,NH,NY,ME,VA
m+p Xylene	CT,NH,NY,ME,VA
o-Xylene	CT,NH,NY,ME,VA
<i>SW-846 8270D in Soil</i>	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Acetophenone	NY,NH,ME,NC,VA
Aniline	NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzidine	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Benzoic Acid	NY,NH,ME,NC,VA
Bis(2-chloroethoxy)methane	CT,NY,NH,ME,NC,VA
Bis(2-chloroethyl)ether	CT,NY,NH,ME,NC,VA
Bis(2-chloroisopropyl)ether	CT,NY,NH,ME,NC,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NH,ME,NC,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Soil</i>	
4-Bromophenylphenylether	CT,NY,NH,ME,NC,VA
Butylbenzylphthalate	CT,NY,NH,ME,NC,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NH,ME,NC,VA
4-Chloro-3-methylphenol	CT,NY,NH,ME,NC,VA
2-Chloronaphthalene	CT,NY,NH,NC,VA
2-Chlorophenol	CT,NY,NH,ME,NC,VA
4-Chlorophenylphenylether	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Dibenzofuran	CT,NY,NH,ME,NC,VA
Di-n-butylphthalate	CT,NY,NH,ME,NC,VA
1,2-Dichlorobenzene	NY,NH,ME,NC,VA
1,3-Dichlorobenzene	NY,NH,ME,NC,VA
1,4-Dichlorobenzene	NY,NH,ME,NC,VA
3,3-Dichlorobenzidine	CT,NY,NH,ME,NC,VA
2,4-Dichlorophenol	CT,NY,NH,ME,NC,VA
Diethylphthalate	CT,NY,NH,ME,NC,VA
2,4-Dimethylphenol	CT,NY,NH,ME,NC,VA
Dimethylphthalate	CT,NY,NH,ME,NC,VA
4,6-Dinitro-2-methylphenol	CT,NY,NH,ME,NC,VA
2,4-Dinitrophenol	CT,NY,NH,ME,NC,VA
2,4-Dinitrotoluene	CT,NY,NH,ME,NC,VA
2,6-Dinitrotoluene	CT,NY,NH,ME,NC,VA
Di-n-octylphthalate	CT,NY,NH,ME,NC,VA
1,2-Diphenylhydrazine/Azobenzene	NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	NY,NH,ME,NC,VA
Hexachlorobenzene	CT,NY,NH,ME,NC,VA
Hexachlorobutadiene	CT,NY,NH,ME,NC,VA
Hexachlorocyclopentadiene	CT,NY,NH,ME,NC,VA
Hexachloroethane	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
Isophorone	CT,NY,NH,ME,NC,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
2-Methylphenol	CT,NY,NH,ME,NC,VA
3/4-Methylphenol	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
2-Nitroaniline	CT,NY,NH,ME,NC,VA
3-Nitroaniline	CT,NY,NH,ME,NC,VA
4-Nitroaniline	CT,NY,NH,ME,NC,VA
Nitrobenzene	CT,NY,NH,ME,NC,VA
2-Nitrophenol	CT,NY,NH,ME,NC,VA
4-Nitrophenol	CT,NY,NH,ME,NC,VA
N-Nitrosodimethylamine	CT,NY,NH,ME,NC,VA
N-Nitrosodi-n-propylamine	CT,NY,NH,ME,NC,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Pentachloronitrobenzene	NY,NC
Pentachlorophenol	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Phenol	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA
Pyridine	CT,NY,NH,ME,NC,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NH,ME,NC,VA
2,4,5-Trichlorophenol	CT,NY,NH,ME,NC,VA
2,4,6-Trichlorophenol	CT,NY,NH,ME,NC,VA
2-Fluorophenol	NC
SW-846 8270D in Water	
Acenaphthene	CT,NY,NC,ME,NH,VA
Acenaphthylene	CT,NY,NC,ME,NH,VA
Acetophenone	NY,NC
Aniline	CT,NY,NC,ME,VA
Anthracene	CT,NY,NC,ME,NH,VA
Benzidine	CT,NY,NC,ME,NH,VA
Benzo(a)anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)pyrene	CT,NY,NC,ME,NH,VA
Benzo(b)fluoranthene	CT,NY,NC,ME,NH,VA
Benzo(g,h,i)perylene	CT,NY,NC,ME,NH,VA
Benzo(k)fluoranthene	CT,NY,NC,ME,NH,VA
Benzoic Acid	NY,NC,ME,NH,VA
Bis(2-chloroethoxy)methane	CT,NY,NC,ME,NH,VA
Bis(2-chloroethyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-chloroisopropyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NC,ME,NH,VA
4-Bromophenylphenylether	CT,NY,NC,ME,NH,VA
Butylbenzylphthalate	CT,NY,NC,ME,NH,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NC,ME,NH,VA
4-Chloro-3-methylphenol	CT,NY,NC,ME,NH,VA
2-Chloronaphthalene	CT,NY,NC,ME,NH,VA
2-Chlorophenol	CT,NY,NC,ME,NH,VA
4-Chlorophenylphenylether	CT,NY,NC,ME,NH,VA
Chrysene	CT,NY,NC,ME,NH,VA
Dibenz(a,h)anthracene	CT,NY,NC,ME,NH,VA
Dibenzofuran	CT,NY,NC,ME,NH,VA
Di-n-butylphthalate	CT,NY,NC,ME,NH,VA
1,2-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,3-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,4-Dichlorobenzene	CT,NY,NC,ME,NH,VA
3,3-Dichlorobenzidine	CT,NY,NC,ME,NH,VA
2,4-Dichlorophenol	CT,NY,NC,ME,NH,VA
Diethylphthalate	CT,NY,NC,ME,NH,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Water</i>	
2,4-Dimethylphenol	CT,NY,NC,ME,NH,VA
Dimethylphthalate	CT,NY,NC,ME,NH,VA
4,6-Dinitro-2-methylphenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrophenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrotoluene	CT,NY,NC,ME,NH,VA
2,6-Dinitrotoluene	CT,NY,NC,ME,NH,VA
Di-n-octylphthalate	CT,NY,NC,ME,NH,VA
1,2-Diphenylhydrazine/Azobenzene	NY,NC
Fluoranthene	CT,NY,NC,ME,NH,VA
Fluorene	NY,NC,ME,NH,VA
Hexachlorobenzene	CT,NY,NC,ME,NH,VA
Hexachlorobutadiene	CT,NY,NC,ME,NH,VA
Hexachlorocyclopentadiene	CT,NY,NC,ME,NH,VA
Hexachloroethane	CT,NY,NC,ME,NH,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NC,ME,NH,VA
Isophorone	CT,NY,NC,ME,NH,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NC,ME,NH,VA
2-Methylphenol	CT,NY,NC,NH,VA
3/4-Methylphenol	CT,NY,NC,NH,VA
Naphthalene	CT,NY,NC,ME,NH,VA
2-Nitroaniline	CT,NY,NC,ME,NH,VA
3-Nitroaniline	CT,NY,NC,ME,NH,VA
4-Nitroaniline	CT,NY,NC,ME,NH,VA
Nitrobenzene	CT,NY,NC,ME,NH,VA
2-Nitrophenol	CT,NY,NC,ME,NH,VA
4-Nitrophenol	CT,NY,NC,ME,NH,VA
N-Nitrosodimethylamine	CT,NY,NC,ME,NH,VA
N-Nitrosodi-n-propylamine	CT,NY,NC,ME,NH,VA
Pentachloronitrobenzene	NC
Pentachlorophenol	CT,NY,NC,ME,NH,VA
Phenanthrene	CT,NY,NC,ME,NH,VA
Phenol	CT,NY,NC,ME,NH,VA
Pyrene	CT,NY,NC,ME,NH,VA
Pyridine	CT,NY,NC,ME,NH,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NC,ME,NH,VA
2,4,5-Trichlorophenol	CT,NY,NC,ME,NH,VA
2,4,6-Trichlorophenol	CT,NY,NC,ME,NH,VA
2-Fluorophenol	NC

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

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2020
CT	Connecticut Department of Public Health	PH-0567	09/30/2021
NY	New York State Department of Health	10899 NELAP	04/1/2020
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2020
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2020
FL	Florida Department of Health	E871027 NELAP	06/30/2020
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2020
ME	State of Maine	2011028	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2020
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2020
NC-DW	North Carolina Department of Health	25703	07/31/2020
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2020



Company Name: Ston Thompson
 Address: 1 Winners Circle Suite 130 Albany NY
 Phone: 518 463 4900
 Project Name: _____
 Project Location: Thompson's Mill
 Project Number: NZ180042
 Project Manager: Sarah Destefano
 Con-Test Quote Name/Number: _____
 Invoice Recipient: Sarah Destefano
 Sampled By: Emily Garberis

of Containers: _____
 Preservation Code: F
 Container Code: A
Dissolved Metals Samples
 Field Filtered
 Lab to Filter
Orthophosphate Samples
 Field Filtered
 Lab to Filter

1 Matrix Codes:
 GW = Ground Water
 WW = Waste Water
 DW = Drinking Water
 A = Air
 S = Soil
 SL = Sludge
 SOL = Solid
 O = Other (please define)

2 Preservation Codes:
 I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium Bisulfate
 X = Sodium Hydroxide
 T = Sodium Thiosulfate
 O = Other (please define)

3 Container Codes:
 A = Amber Glass
 G = Glass
 P = Plastic
 ST = Sterile
 V = Vial
 S = Summa Canister
 T = Tedlar Bag
 O = Other (please define)

Con-Test Work Order#	Client Sample ID/Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
	TP-2(0-2)	10/4/19 8:10	8:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	
	TP-2(0-2)	10/4/19 8:10	8:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	
	TP-2(0-2)	10/4/19 8:10	8:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	
	TP-2(0-2)	10/4/19 8:10	8:10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	
	TP-1(0-2)	10/4/19 8:40	8:40	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	
	TP-1(0-2)	10/4/19 8:40	8:40	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	
	TP-1(0-2)	10/4/19 8:40	8:40	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	
	TP-1(4-5)	10/4/19 9:25	9:25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	
	TP-1(4-5)	10/4/19 9:25	9:25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	

ANALYSIS REQUESTED

VOCs - 8260
 PCBs - 80824
 SVOCs - 8270
 PCRA 8 - 6012
 Hg - 74704
 Lead by TLP 6010

1 Matrix Codes:
 GW = Ground Water
 WW = Waste Water
 DW = Drinking Water
 A = Air
 S = Soil
 SL = Sludge
 SOL = Solid
 O = Other (please define)

2 Preservation Codes:
 I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium Bisulfate
 X = Sodium Hydroxide
 T = Sodium Thiosulfate
 O = Other (please define)

3 Container Codes:
 A = Amber Glass
 G = Glass
 P = Plastic
 ST = Sterile
 V = Vial
 S = Summa Canister
 T = Tedlar Bag
 O = Other (please define)

PCB ONLY
 Soxhlet
 Non Soxhlet

Requested Turnaround Time: 7-Day 10-Day

Due Date: _____

Rush-Approval Required: 1-Day 3-Day 2-Day 4-Day

Data Delivery: PDF EXCEL

Other: _____

CLP Like Data Pkg Required:

Email To: _____

Fax To #: _____

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Program & Regulatory Information

AWQ STDS NY TOGS
 NYC Sewer Discharge NY CP-51
 Part 360 GW (Landfill)
 NY Restricted Use
 NY Unrestricted Use
 NY Part 375

Deliverables

Enhanced Data Package
 NYSDEC EQUIS EDD
 EQUIS (Standard) EDD
 NY Regulatory EDD
 NY Regs Hits-Only EDD

Other: Chromatogram
 Other: AIHA-LAP, LLC

Project Entity

Government Municipality MWRA WRTA
 Federal 21 J School
 City Brownfield MBTA

Relinquished by (signature): [Signature] Date/Time: 10/4/19 11:45
 Received by (signature): [Signature] Date/Time: 10-4-19 1450
 Relinquished by (signature): [Signature] Date/Time: 10-4-19 1520
 Received by (signature): [Signature] Date/Time: 10/5/19 1005

Relinquished by (signature): _____ Date/Time: _____
 Received by (signature): _____ Date/Time: _____

19 JP 393
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com



Company Name: Weston Sampson
 Address: WINDS LOCK SITE 130
 Project Name: _____
 Project Location: Thompsons Mill
 Project Number: NZ18D042
 Project Manager: Sarah Bestefano
 Con-Test Quote Name/Number: _____
 Invoice Recipient: Sarah Bestefano
 Sampled By: Emily GARDENS

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
3	TP-1(4-5)	10/4/19	9:25		✓	S	
	TP-1(4-5)	10/4/19	9:25		✓	S	

ANALYSIS REQUESTED

AWQS - 600							
VOCs - 8260							

Comments: Please use the following codes to indicate possible sample concentration within the Conc Code column above:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) Emily Bestefano Date/Time: 10/4/19 11:45
 Received by: (signature) [Signature] Date/Time: 10/4/19 14:50
 Relinquished by: (signature) [Signature] Date/Time: 10/4/19 10:20
 Received by: (signature) [Signature] Date/Time: 10/5/19 10:55
 Relinquished by: (signature) [Signature] Date/Time: _____
 Received by: (signature) [Signature] Date/Time: _____

Program & Regulatory Information:
 AWQ STDS NY TOGS
 NYC Sewer Discharge NY CP-51
 Part 360 GW (Landfill)
 NY Restricted Use
 NY Unrestricted Use
 NY Part 375

Deliverables:
 Enhanced Data Package
 NYSDEC EQUS EDD
 EQUS (Standard) EDD
 NY Regulatory EDD
 NY Regs Hits-Only EDD

Other: Carryover B Package
 MELAC and AIHA-LAP, LLC Accredited

Project Entity:
 Government Municipality MWRA WRTA
 Federal 21 J School
 City Brownfield MBTA

PCB ONLY:
 Soxhlet
 Non Soxhlet



776506495268 



Delivered
Saturday 10/05/2019 at 10:05 am



DELIVERED

Signed for by: M.PETRATIS

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM
ALBANY, NY US

TO
EAST LONGMEADOW, MA US

Shipment Facts

TRACKING NUMBER
776506495268

SERVICE
FedEx Priority Overnight

WEIGHT
31 lbs / 14.06 kgs

DIMENSIONS
19x11x14 in.

DELIVERED TO
Receptionist/Front Desk

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
31 lbs / 14.06 kgs

TERMS
Recipient

SHIPPER REFERENCE
85

PACKAGING
Your Packaging

SPECIAL HANDLING SECTION
Saturday Delivery, Additional Handling
Surcharge

STANDARD TRANSIT
 10/05/2019 by 12:00 pm

SHIP DATE

Fri 10/04/2019

ACTUAL DELIVERY
Sat 10/05/2019 10:05 am

Travel History

Local Scan Time 

Saturday, 10/05/2019		
10:05 am	EAST LONGMEADOW, MA	Delivered
8:09 am	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
8:00 am	WINDSOR LOCKS, CT	At local FedEx facility

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples _____



con-test[®]
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client WIS

Received By Ray Date 10/5/19 Time 10:5

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 5 Actual Temp - 5.6
 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA
 Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T
 Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? _____
 Are there Rushes? F Who was notified? _____
 Are there Short Holds? F Who was notified? _____

Is there enough Volume? T
 Is there Headspace where applicable? F MS/MSD? F
 Proper Media/Containers Used? T Is splitting samples required? F
 Were trip blanks received? F On COC? F
 Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear
DI-		Other Glass		Other Plastic		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Unused Media

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Comments:

NO VIALS were received for VOA analysis

APPENDIX G
Data Usability Summary Reports (DUSRs)



Geology

Hydrology

Remediation

Water Supply

December 11, 2019

Ms. Cailyn Locci, P.G.
Senior Project Manager
Weston & Sampson
1 Winners Circle, Suite 130
Albany, New York 12205

Re: Data Validation Report
Valley Falls, NY Site
October 2019 Soil, Wastes, and Ground Water Sampling Events

Dear Ms. Locci:

The data usability summary report (DUSR) and data validation summaries are attached to this letter for the Valley Falls, NY site, October 2019 soil, wastes, and ground water sampling events. The data for Con-Test Analytical Laboratory work order numbers 19J0328, 19J0330, and 19J0393 are mostly acceptable with some issues that are identified and discussed in the validation summaries. There are data that are qualified as rejected, unusable (R) in the data pack 19J0330. The reason for rejecting data are found in the DUSR and accompanying QA/QC review. The data is rejected based solely on the validation guidance criteria. The rejected data may be determined to be acceptable to the user based on additional information that is not contained in the data validation criteria.

A list of common data validation acronyms is attached to this letter to assist you in interpreting the validation summaries. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist Weston & Sampson.

Sincerely,
Alpha Geoscience

Donald Anné
Senior Chemist

DCA/bms
Via email

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

- U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
- N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
- J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- J- = Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
- J+ = Analyte is present. Reported value may be biased high and associated with a higher level of uncertainty than is normally expected with the analytical method.
- UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.



Geology

Hydrology

Remediation

Water Supply

**Data Usability Summary Report
for Con-Test Analytical Laboratory
Work Order No: 19J0328**

**3 Caulk and 2 Paint Chip Samples
Collected October 2, 2019**

Prepared by: Donald Anné
December 11, 2019

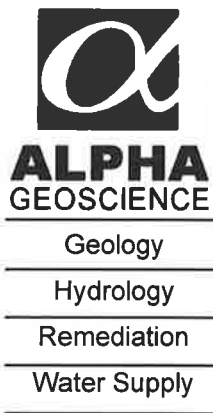
The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of PCB analyses for 3 caulk samples and results of lead analyses for 2 paint chip samples.

The overall performances of the analyses are acceptable. Con-Test Analytical Laboratory did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The positive metal results for lead were qualified as “estimated, biased high” (J+) in both paint chip samples because 1 of 2 percent recoveries for lead was above QC limits in the associated LCS/LCSD.

All data are considered usable with estimated (J+) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



QA/QC Review of 8082A PCB Data for
Con-Test Analytical Laboratory, Work Order No: 19J0328

3 Caulk Samples
Collected October 2, 2019

Prepared by: Donald Anné
December 11, 2019

Holding Times: The samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analysis of the method blank reported target aroclors as not detected.

Surrogate Recovery: The surrogates for sample PCB-03 were diluted beyond detection limits. No action is taken on surrogates diluted beyond detection limits.

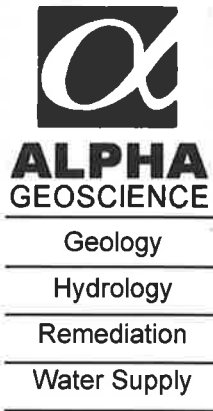
Laboratory Control Sample: The relative percent differences for aroclor 1016 and aroclor 1260 were below the allowable maximums and percent recoveries were within QC limits on both columns for caulk samples B242692-BS1 and B242692-BSD1.

Initial Calibration: The %RSDs for target aroclors were below the allowable maximum (20%) on both columns, as required.

Continuing Calibration: The %Ds for target aroclors were below the allowable maximum (15%) for on both columns, as required.

Surrogate Retention Time Summary: The retention times for surrogates were within the acceptance limits on both columns.

PCB Identification Summary: Checked aroclors were within quantitation limits. The RPDs for dual column quantitation of detected aroclors in the caulk samples were below the allowable maximum (25%), as required.



**QA/QC Review of Lead Data for
Con-Test Analytical Laboratory
Work Order No: 19J0328**

**2 Paint Chip Samples
Collected October 2, 2019**

Prepared by: Donald Anné
December 11, 2019

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for lead were within control limits (90-110%).

Low Level Calibration Verification: The percent recoveries for lead were within laboratory QC limits (70-130%) for samples S042791-LCV1 and S042842-LCV1.

CRDL Standard: The percent recovery for lead was within laboratory QC limits (80-120%) for sample B243118-MRL1.

Blanks: The analyses of initial and continuing calibration and method blanks reported lead as not detected.

ICP Interference Check Sample: The percent recovery for lead was within control limits (80-120%).

Laboratory Control Sample: The relative percent difference for lead was below the allowable maximum (30%), but 1 of 2 percent recoveries was above QC limits (82.3-117.1%) for solid sample B243118-BS1. Positive results for lead should be considered estimated, biased high (J+) in associated samples.

LCS / LCS DUPLICATE RECOVERY

SW-846 6010C Modified

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0328
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Paint	Preparation:	SW-846 3050B
Batch:	B243118	Laboratory ID:	B243118-BS1
Column:		Initial/Final:	0.0501 g / 25 mL

ANALYTE	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC.	QC LIMITS REC.
Lead	6870	6990	102	82.3 - 117.1

ANALYTE	SPIKE ADDED (mg/Kg)	LCSD CONCENTRATION (mg/Kg)	LCSD % REC. #	% RPD #	RPD	QC LIMITS REC.
Lead	6870	9310	136 *	28.5	30	82.3 - 117.1

Qualified Data

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

Project Location: Thompson's Mill

Sample Description: White window paint front

Work Order: 19J0328

Date Received: 10/4/2019

Field Sample #: Lead-01

Sampled: 10/2/2019 11:00

Sample ID: 19J0328-01

Sample Matrix: Paint

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	31000	130	mg/Kg	5	J+	SW-846 6010C Modified	10/14/19	10/15/19 12:51	TBC/MJH

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

Project Location: Thompson's Mill

Sample Description: White window paint S

Work Order: 19J0328

Date Received: 10/4/2019

Field Sample #: Lead-02

Sampled: 10/2/2019 11:00

Sample ID: 19J0328-02

Sample Matrix: Paint

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	230000	250	mg/Kg	10	J+	SW-846 6010C Modified	10/14/19	10/15/19 12:55	TBC/MJH

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

Project Location: Thompson's Mill

Sample Description: Residual white caulk

Work Order: 19J0328

Date Received: 10/4/2019

Field Sample #: PCB-01

Sampled: 10/2/2019 11:00

Sample ID: 19J0328-03

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	0.035	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 12:53	TG
Aroclor-1221 [1]	ND	0.78	0.059	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 12:53	TG
Aroclor-1232 [1]	ND	0.78	0.070	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 12:53	TG
Aroclor-1242 [1]	ND	0.78	0.059	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 12:53	TG
Aroclor-1248 [1]	ND	0.78	0.027	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 12:53	TG
Aroclor-1254 [1]	0.53	0.78	0.031	mg/Kg	4	J	SW-846 8082A	10/9/19	10/11/19 12:53	TG
Aroclor-1260 [1]	ND	0.78	0.043	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 12:53	TG
Aroclor-1262 [1]	ND	0.78	0.039	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 12:53	TG
Aroclor-1268 [1]	ND	0.78	0.063	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 12:53	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Decachlorobiphenyl [1]	102	30-150	
Decachlorobiphenyl [2]	92.4	30-150	
Tetrachloro-m-xylene [1]	103	30-150	
Tetrachloro-m-xylene [2]	92.6	30-150	

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

Project Location: Thompson's Mill

Sample Description: White window caulk

Work Order: 19J0328

Date Received: 10/4/2019

Field Sample #: PCB-02

Sampled: 10/2/2019 11:00

Sample ID: 19J0328-04

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	0.036	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 13:11	TG
Aroclor-1221 [1]	ND	0.79	0.059	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 13:11	TG
Aroclor-1232 [1]	ND	0.79	0.071	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 13:11	TG
Aroclor-1242 [1]	ND	0.79	0.059	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 13:11	TG
Aroclor-1248 [1]	ND	0.79	0.028	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 13:11	TG
Aroclor-1254 [1]	0.27	0.79	0.032	mg/Kg	4	O-04, J	SW-846 8082A	10/9/19	10/11/19 13:11	TG
Aroclor-1260 [1]	ND	0.79	0.043	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 13:11	TG
Aroclor-1262 [1]	ND	0.79	0.039	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 13:11	TG
Aroclor-1268 [1]	ND	0.79	0.063	mg/Kg	4		SW-846 8082A	10/9/19	10/11/19 13:11	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Decachlorobiphenyl [1]	95.4	30-150	
Decachlorobiphenyl [2]	85.8	30-150	
Tetrachloro-m-xylene [1]	95.2	30-150	
Tetrachloro-m-xylene [2]	84.6	30-150	

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

Project Location: Thompson's Mill

Sample Description: Gray stone windowsill joint caulk

Work Order: 19J0328

Date Received: 10/4/2019

Field Sample #: PCB-03

Sampled: 10/2/2019 11:00

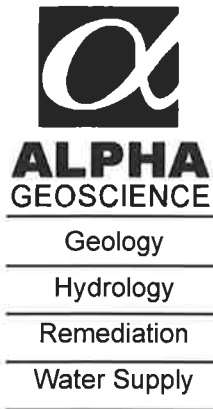
Sample ID: 19J0328-05

Sample Matrix: Caulk

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.8	0.44	mg/Kg	50		SW-846 8082A	10/9/19	10/11/19 13:29	TG
Aroclor-1221 [1]	ND	9.8	0.73	mg/Kg	50		SW-846 8082A	10/9/19	10/11/19 13:29	TG
Aroclor-1232 [1]	ND	9.8	0.88	mg/Kg	50		SW-846 8082A	10/9/19	10/11/19 13:29	TG
Aroclor-1242 [1]	ND	9.8	0.73	mg/Kg	50		SW-846 8082A	10/9/19	10/11/19 13:29	TG
Aroclor-1248 [1]	ND	9.8	0.34	mg/Kg	50		SW-846 8082A	10/9/19	10/11/19 13:29	TG
Aroclor-1254 [2]	100	9.8	0.39	mg/Kg	50	O-04	SW-846 8082A	10/9/19	10/11/19 13:29	TG
Aroclor-1260 [1]	ND	9.8	0.54	mg/Kg	50		SW-846 8082A	10/9/19	10/11/19 13:29	TG
Aroclor-1262 [1]	ND	9.8	0.49	mg/Kg	50		SW-846 8082A	10/9/19	10/11/19 13:29	TG
Aroclor-1268 [1]	ND	9.8	0.78	mg/Kg	50		SW-846 8082A	10/9/19	10/11/19 13:29	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	Date/Time Analyzed
Decachlorobiphenyl [1]	*	30-150	S-01	10/11/19 13:29
Decachlorobiphenyl [2]	*	30-150	S-01	10/11/19 13:29
Tetrachloro-m-xylene [1]	*	30-150	S-01	10/11/19 13:29
Tetrachloro-m-xylene [2]	*	30-150	S-01	10/11/19 13:29



**Data Usability Summary Report
for Con-Test Analytical Laboratory
Work Order No: 19J0330**

**20 Soil Samples and 2 Field Duplicate
Collected October 2-3, 2019**

Prepared by: Donald Anné
December 11, 2019

The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of volatile, semi-volatile, and metal analyses for 20 soil samples and 2 field duplicates; PCB analyses for 20 soil samples and 1 field duplicate; and pesticide and herbicide analyses for 4 soil samples.

The overall performances of the analyses are acceptable. Con-Test Analytical Laboratory did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The positive semi-volatile result for 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene was qualified as “estimated” (J) in sample TP-6 (0-2’) because the relative percent differences for 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene were above the allowable maximum in the soil MS/MSD sample.
- The “not detected” semi-volatile results for aniline and pyridine were qualified as “estimated” (UJ) in sample TP-6 (0-2’) because 2 of 2 percent recoveries for aniline and pyridine were below control limits, but not below 10% in the soil MS/MSD.
- The “not detected” semi-volatile result for 4-chloroaniline was qualified as “estimated” (UJ) in sample TP-6 (0-2’) because 1 of 2 percent recoveries for 4-chloroaniline was below control limits, but not below 10% in the soil MS/MSD.
- The “not detected” semi-volatile results for benzidine were qualified as “rejected, unusable” (R) in samples TP-6 (0-2’) and TP-12 (10’) because 2 of 2 percent recoveries for benzidine were below control limits and below 10% in the soil MS/MSD samples.

- The “not detected” semi-volatile result for 3,3'-dichlorobenzidine was qualified as “rejected, unusable” (R) in sample TP-6 (0-2') because 2 of 2 percent recoveries for 3,3'-dichlorobenzidine were below control limits and one was below 10% in the soil MS/MSD sample.
- The “not detected” metal results for selenium were qualified as “estimated” (UJ) in all 20 soil samples and both field duplicates because the percent recoveries for selenium were below control limits, but not below 10% in the soil spike samples.
- The positive metal results for lead were qualified as “estimated, biased low” (J-) in samples TP-8 (10'), TP-6 (10'), TP-12 (10'), and TP-7 (0-2') because the percent recovery for lead was below control limits, but not below 10% in the soil spike sample.
- The positive metal results for barium were qualified as “estimated” (J) in samples TP-9 (10') and DUP 1 because the relative percent difference for barium was above the allowable maximum in soil field duplicate pair TP-9 (10')/DUP 1.

All data that are not qualified rejected, unusable (R) are considered usable with estimated (J, J-, or UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



Geology

Hydrology

Remediation

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**QA/QC Review of Method 8260C Volatiles Data for
Con-Test Analytical Laboratory, Work Order No: 19J0330**

**20 Soil Samples and 2 Field Duplicates
Collected October 2-3, 2019**

Prepared by: Donald Anné
December 11, 2019

Holding Times: Samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for bromodichloromethane, tetrachloroethylene, and trichloroethylene were below the method minimums, but not below 0.010 for GCMSVOA4 on 06-03-19. No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The average RRFs for target compounds were below the allowable minimum (0.001 for 1,4-dioxane, 0.010 for all other compounds), as required.

The %RSDs for bromomethane and cyclohexane were above the allowable maximum (30%) for GCMSVOA4 on 06-03-19. Positive results for these compounds should be considered estimated (J) in associated samples.

Continuing Calibration: The RRFs for bromodichloromethane and tetrachloroethylene were below the method minimums, but not below 0.010 on 10-07-19 (S041150-CCV1). The RRFs for bromodichloromethane and tetrachloroethylene were below the method minimums, but not below 0.010 on 10-08-19 (S041203-CCV1). The %D for bromomethane was above the method maximum on 10-07-19 (S041150-CCV1). The %Ds for bromoform, 1,2-dibromoethane, and cis-1,3-dichloropropene were above the method maximum on 10-08-19 (S041203-CCV1). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The RRFs for target compounds were above the allowable minimum (0.0005 for 1,4-dioxane, 0.010 for all other compounds) and the %Ds were below the allowable maximum (25%), as required.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximum, but 1 of 2 percent recoveries (%Rs) for bromodichloromethane and tetrachloroethylene were above QC limits for soil samples B242469-BS1 and B242469-BSD1. The RPD for 1,3,5-trimethylbenzene was above the allowable maximum and 1 of 2 %Rs for 1,1,1,2-tetrachloroethane was above QC limits for soil samples B242520-BS1 and B242520-BSD1. Positive results for 1,3,5-trimethylbenzene should be considered estimated (J) and positive results for bromodichloromethane, tetrachloroethylene, and 1,1,1,2-tetrachloroethane should be considered estimated, biased high (J+) in associated soil samples.

Field Duplicate: The analyses of soil field duplicate pairs TP-9 (10')/DUP 1 and TP-5 (0-2')/DUP 2 reported target compounds as either not detected or below the lowest standard; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pairs were acceptable.

Compound ID: Checked compounds were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B242469	Laboratory ID:	B242469-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
Acetone	0.200	0.217	108	70 - 160
Acrylonitrile	0.0200	0.0186	92.9	70 - 130
tert-Amyl Methyl Ether (TAME)	0.0200	0.0206	103	70 - 130
Benzene	0.0200	0.0189	94.6	70 - 130
Bromobenzene	0.0200	0.0194	96.9	70 - 130
Bromochloromethane	0.0200	0.0219	110	70 - 130
Bromodichloromethane	0.0200	0.0254	127	70 - 130
Bromoform	0.0200	0.0223	111	70 - 130
Bromomethane	0.0200	0.0168	84.0	40 - 130
2-Butanone (MEK)	0.200	0.198	98.8	70 - 160
tert-Butyl Alcohol (TBA)	0.200	0.192	95.8	40 - 130
n-Butylbenzene	0.0200	0.0219	110	70 - 130
sec-Butylbenzene	0.0200	0.0210	105	70 - 130
tert-Butylbenzene	0.0200	0.0208	104	70 - 160
tert-Butyl Ethyl Ether (TBEE)	0.0200	0.0197	98.4	70 - 130
Carbon Disulfide	0.0200	0.0201	101	70 - 130
Carbon Tetrachloride	0.0200	0.0224	112	70 - 130
Chlorobenzene	0.0200	0.0200	100	70 - 130
Chlorodibromomethane	0.0200	0.0234	117	70 - 130
Chloroethane	0.0200	0.0209	104	70 - 130
Chloroform	0.0200	0.0203	102	70 - 130
Chloromethane	0.0200	0.0175	87.7	70 - 130
2-Chlorotoluene	0.0200	0.0207	103	70 - 130
4-Chlorotoluene	0.0200	0.0216	108	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0223	112	70 - 130
1,2-Dibromoethane (EDB)	0.0200	0.0209	105	70 - 130
Dibromomethane	0.0200	0.0224	112	70 - 130
1,2-Dichlorobenzene	0.0200	0.0221	110	70 - 130
1,3-Dichlorobenzene	0.0200	0.0212	106	70 - 130
1,4-Dichlorobenzene	0.0200	0.0202	101	70 - 130
trans-1,4-Dichloro-2-butene	0.0200	0.0183	91.6	70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.0187	93.4	40 - 160
1,1-Dichloroethane	0.0200	0.0212	106	70 - 130
1,2-Dichloroethane	0.0200	0.0228	114	70 - 130
1,1-Dichloroethylene	0.0200	0.0216	108	70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0216	108	70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0207	104	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B242469	Laboratory ID:	B242469-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
1,2-Dichloropropane	0.0200	0.0205	102	70 - 130
1,3-Dichloropropane	0.0200	0.0197	98.4	70 - 130
2,2-Dichloropropane	0.0200	0.0211	105	70 - 130
1,1-Dichloropropene	0.0200	0.0202	101	70 - 130
cis-1,3-Dichloropropene	0.0200	0.0225	112	70 - 130
trans-1,3-Dichloropropene	0.0200	0.0226	113	70 - 130
Diethyl Ether	0.0200	0.0191	95.3	70 - 130
Diisopropyl Ether (DIPE)	0.0200	0.0199	99.7	70 - 130
1,4-Dioxane	0.200	0.213	106	40 - 160
Ethylbenzene	0.0200	0.0192	95.8	70 - 130
Hexachlorobutadiene	0.0200	0.0252	126	70 - 160
2-Hexanone (MBK)	0.200	0.197	98.5	70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0197	98.6	70 - 130
p-Isopropyltoluene (p-Cymene)	0.0200	0.0215	107	70 - 130
Methyl Acetate	0.0200	0.0170	85.0	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0215	107	70 - 130
Methyl Cyclohexane	0.0200	0.0211	105	70 - 130
Methylene Chloride	0.0200	0.0187	93.6	40 - 160
4-Methyl-2-pentanone (MIBK)	0.200	0.200	99.8	70 - 160
Naphthalene	0.0200	0.0166	83.1	40 - 130
n-Propylbenzene	0.0200	0.0203	102	70 - 130
Styrene	0.0200	0.0199	99.4	70 - 130
1,1,1,2-Tetrachloroethane	0.0200	0.0241	121	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0200	100	70 - 130
Tetrachloroethylene	0.0200	0.0245	122	70 - 130
Tetrahydrofuran	0.0200	0.0187	93.4	70 - 130
Toluene	0.0200	0.0206	103	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0223	112	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0203	101	70 - 130
1,3,5-Trichlorobenzene	0.0200	0.0226	113	70 - 130
1,1,1-Trichloroethane	0.0200	0.0214	107	70 - 130
1,1,2-Trichloroethane	0.0200	0.0211	106	70 - 130
Trichloroethylene	0.0200	0.0228	114	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0208	104	70 - 130
1,2,3-Trichloropropane	0.0200	0.0215	108	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.0220	110	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B242469	Laboratory ID:	B242469-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
1,2,4-Trimethylbenzene	0.0200	0.0211	106	70 - 130
1,3,5-Trimethylbenzene	0.0200	0.0202	101	70 - 130
Vinyl Chloride	0.0200	0.0190	95.1	40 - 130
m+p Xylene	0.0400	0.0406	101	70 - 130
o-Xylene	0.0200	0.0199	99.7	70 - 130

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Acetone	0.200	0.208	104	4.43	25	70 - 160
Acrylonitrile	0.0200	0.0190	95.2	2.45	25	70 - 130
tert-Amyl Methyl Ether (TAME)	0.0200	0.0206	103	0.194	25	70 - 130
Benzene	0.0200	0.0183	91.6	3.22	25	70 - 130
Bromobenzene	0.0200	0.0205	102	5.42	25	70 - 130
Bromochloromethane	0.0200	0.0230	115	4.81	25	70 - 130
Bromodichloromethane	0.0200	0.0274	137 *	7.42	25	70 - 130
Bromoform	0.0200	0.0215	108	3.56	25	70 - 130
Bromomethane	0.0200	0.0190	95.2	12.5	25	40 - 130
2-Butanone (MEK)	0.200	0.198	99.1	0.323	25	70 - 160
tert-Butyl Alcohol (TBA)	0.200	0.187	93.6	2.28	25	40 - 130
n-Butylbenzene	0.0200	0.0182	90.9	18.6	25	70 - 130
sec-Butylbenzene	0.0200	0.0223	111	5.91	25	70 - 130
tert-Butylbenzene	0.0200	0.0186	93.0	11.4	25	70 - 160
tert-Butyl Ethyl Ether (TBEE)	0.0200	0.0207	103	4.86	25	70 - 130
Carbon Disulfide	0.0200	0.0208	104	3.42	25	70 - 130
Carbon Tetrachloride	0.0200	0.0234	117	4.11	25	70 - 130
Chlorobenzene	0.0200	0.0209	105	4.40	25	70 - 130
Chlorodibromomethane	0.0200	0.0250	125	6.36	25	70 - 130
Chloroethane	0.0200	0.0213	106	1.90	25	70 - 130
Chloroform	0.0200	0.0205	103	0.881	25	70 - 130
Chloromethane	0.0200	0.0170	84.8	3.36	25	70 - 130
2-Chlorotoluene	0.0200	0.0210	105	1.44	25	70 - 130
4-Chlorotoluene	0.0200	0.0225	112	3.99	25	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0210	105	6.28	25	70 - 130
1,2-Dibromoethane (EDB)	0.0200	0.0252	126	18.5	25	70 - 130
Dibromomethane	0.0200	0.0242	121	7.56	25	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B242469	Laboratory ID:	B242469-BSD1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,2-Dichlorobenzene	0.0200	0.0191	95.4	14.6	25	70 - 130
1,3-Dichlorobenzene	0.0200	0.0218	109	2.79	25	70 - 130
1,4-Dichlorobenzene	0.0200	0.0201	100	0.398	25	70 - 130
trans-1,4-Dichloro-2-butene	0.0200	0.0184	91.8	0.218	25	70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.0176	87.9	6.07	25	40 - 160
1,1-Dichloroethane	0.0200	0.0221	111	4.06	25	70 - 130
1,2-Dichloroethane	0.0200	0.0258	129	12.2	25	70 - 130
1,1-Dichloroethylene	0.0200	0.0217	109	0.554	25	70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0220	110	2.11	25	70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0207	104	0.193	25	70 - 130
1,2-Dichloropropane	0.0200	0.0216	108	5.61	25	70 - 130
1,3-Dichloropropane	0.0200	0.0227	113	14.1	25	70 - 130
2,2-Dichloropropane	0.0200	0.0213	107	1.13	25	70 - 130
1,1-Dichloropropene	0.0200	0.0222	111	9.53	25	70 - 130
cis-1,3-Dichloropropene	0.0200	0.0237	118	5.37	25	70 - 130
trans-1,3-Dichloropropene	0.0200	0.0221	110	2.42	25	70 - 130
Diethyl Ether	0.0200	0.0216	108	12.3	25	70 - 130
Diisopropyl Ether (DIPE)	0.0200	0.0198	99.1	0.604	25	70 - 130
1,4-Dioxane	0.200	0.246	123	14.6	50	40 - 160
Ethylbenzene	0.0200	0.0213	106	10.5	25	70 - 130
Hexachlorobutadiene	0.0200	0.0222	111	12.6	25	70 - 160
2-Hexanone (MBK)	0.200	0.211	106	6.87	25	70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0214	107	8.08	25	70 - 130
p-Isopropyltoluene (p-Cymene)	0.0200	0.0213	106	0.935	25	70 - 130
Methyl Acetate	0.0200	0.0183	91.6	7.47	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0220	110	2.49	25	70 - 130
Methyl Cyclohexane	0.0200	0.0228	114	8.11	25	70 - 130
Methylene Chloride	0.0200	0.0192	95.8	2.32	25	40 - 160
4-Methyl-2-pentanone (MIBK)	0.200	0.203	101	1.47	25	70 - 160
Naphthalene	0.0200	0.0151	75.7	9.32	25	40 - 130
n-Propylbenzene	0.0200	0.0208	104	2.14	25	70 - 130
Styrene	0.0200	0.0217	108	8.57	25	70 - 130
1,1,1,2-Tetrachloroethane	0.0200	0.0241	120	0.166	25	70 - 130
1,1,1,2-Tetrachloroethane	0.0200	0.0212	106	5.73	25	70 - 130
Tetrachloroethylene	0.0200	0.0271	135	10.1	25	70 - 130
Tetrahydrofuran	0.0200	0.0199	99.3	6.12	25	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B242469	Laboratory ID:	B242469-BSD1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Toluene	0.0200	0.0214	107	3.62	25	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0207	104	7.52	25	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0193	96.7	4.65	25	70 - 130
1,3,5-Trichlorobenzene	0.0200	0.0208	104	8.21	25	70 - 130
1,1,1-Trichloroethane	0.0200	0.0222	111	3.76	25	70 - 130
1,1,2-Trichloroethane	0.0200	0.0226	113	6.95	25	70 - 130
Trichloroethylene	0.0200	0.0237	119	3.95	25	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0213	106	2.28	25	70 - 130
1,2,3-Trichloropropane	0.0200	0.0233	117	8.11	25	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroeth ane (Freon 113)	0.0200	0.0230	115	4.63	25	70 - 130
1,2,4-Trimethylbenzene	0.0200	0.0184	92.2	13.6	25	70 - 130
1,3,5-Trimethylbenzene	0.0200	0.0217	108	6.97	25	70 - 130
Vinyl Chloride	0.0200	0.0183	91.5	3.86	25	40 - 130
m+p Xylene	0.0400	0.0425	106	4.62	25	70 - 130
o-Xylene	0.0200	0.0207	104	3.84	25	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B242520	Laboratory ID:	B242520-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
Acetone	0.200	0.176	88.0	70 - 160
Acrylonitrile	0.0200	0.0205	102	70 - 130
tert-Amyl Methyl Ether (TAME)	0.0200	0.0202	101	70 - 130
Benzene	0.0200	0.0175	87.6	70 - 130
Bromobenzene	0.0200	0.0245	123	70 - 130
Bromochloromethane	0.0200	0.0226	113	70 - 130
Bromodichloromethane	0.0200	0.0245	122	70 - 130
Bromoform	0.0200	0.0249	124	70 - 130
Bromomethane	0.0200	0.0177	88.4	40 - 130
2-Butanone (MEK)	0.200	0.198	99.1	70 - 160
tert-Butyl Alcohol (TBA)	0.200	0.196	98.0	40 - 130
n-Butylbenzene	0.0200	0.0187	93.3	70 - 130
sec-Butylbenzene	0.0200	0.0211	106	70 - 130
tert-Butylbenzene	0.0200	0.0224	112	70 - 160
tert-Butyl Ethyl Ether (TBEE)	0.0200	0.0198	98.8	70 - 130
Carbon Disulfide	0.0200	0.0178	88.8	70 - 130
Carbon Tetrachloride	0.0200	0.0216	108	70 - 130
Chlorobenzene	0.0200	0.0212	106	70 - 130
Chlorodibromomethane	0.0200	0.0209	104	70 - 130
Chloroethane	0.0200	0.0193	96.7	70 - 130
Chloroform	0.0200	0.0210	105	70 - 130
Chloromethane	0.0200	0.0172	85.9	70 - 130
2-Chlorotoluene	0.0200	0.0238	119	70 - 130
4-Chlorotoluene	0.0200	0.0234	117	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0206	103	70 - 130
1,2-Dibromoethane (EDB)	0.0200	0.0197	98.4	70 - 130
Dibromomethane	0.0200	0.0217	109	70 - 130
1,2-Dichlorobenzene	0.0200	0.0200	99.8	70 - 130
1,3-Dichlorobenzene	0.0200	0.0202	101	70 - 130
1,4-Dichlorobenzene	0.0200	0.0189	94.6	70 - 130
trans-1,4-Dichloro-2-butene	0.0200	0.0219	110	70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.0172	86.0	40 - 160
1,1-Dichloroethane	0.0200	0.0217	108	70 - 130
1,2-Dichloroethane	0.0200	0.0220	110	70 - 130
1,1-Dichloroethylene	0.0200	0.0177	88.5	70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0214	107	70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0201	101	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B242520	Laboratory ID:	B242520-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
1,2-Dichloropropane	0.0200	0.0196	97.8	70 - 130
1,3-Dichloropropane	0.0200	0.0187	93.5	70 - 130
2,2-Dichloropropane	0.0200	0.0207	103	70 - 130
1,1-Dichloropropene	0.0200	0.0194	96.9	70 - 130
cis-1,3-Dichloropropene	0.0200	0.0217	108	70 - 130
trans-1,3-Dichloropropene	0.0200	0.0216	108	70 - 130
Diethyl Ether	0.0200	0.0189	94.6	70 - 130
Diisopropyl Ether (DIPE)	0.0200	0.0194	97.2	70 - 130
1,4-Dioxane	0.200	0.202	101	40 - 160
Ethylbenzene	0.0200	0.0226	113	70 - 130
Hexachlorobutadiene	0.0200	0.0244	122	70 - 160
2-Hexanone (MBK)	0.200	0.171	85.4	70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0235	118	70 - 130
p-Isopropyltoluene (p-Cymene)	0.0200	0.0205	102	70 - 130
Methyl Acetate	0.0200	0.0167	83.7	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0219	109	70 - 130
Methyl Cyclohexane	0.0200	0.0173	86.5	70 - 130
Methylene Chloride	0.0200	0.0169	84.7	40 - 160
4-Methyl-2-pentanone (MIBK)	0.200	0.199	99.5	70 - 160
Naphthalene	0.0200	0.0156	78.1	40 - 130
n-Propylbenzene	0.0200	0.0236	118	70 - 130
Styrene	0.0200	0.0235	118	70 - 130
1,1,1,2-Tetrachloroethane	0.0200	0.0262	131 *	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0221	110	70 - 130
Tetrachloroethylene	0.0200	0.0246	123	70 - 130
Tetrahydrofuran	0.0200	0.0183	91.5	70 - 130
Toluene	0.0200	0.0186	92.9	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0200	100	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0194	97.2	70 - 130
1,3,5-Trichlorobenzene	0.0200	0.0205	103	70 - 130
1,1,1-Trichloroethane	0.0200	0.0215	108	70 - 130
1,1,2-Trichloroethane	0.0200	0.0218	109	70 - 130
Trichloroethylene	0.0200	0.0216	108	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0197	98.3	70 - 130
1,2,3-Trichloropropane	0.0200	0.0237	119	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.0173	86.6	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B242520	Laboratory ID:	B242520-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
1,2,4-Trimethylbenzene	0.0200	0.0213	107	70 - 130
1,3,5-Trimethylbenzene	0.0200	0.0237	118	70 - 130
Vinyl Chloride	0.0200	0.0196	98.0	40 - 130
m+p Xylene	0.0400	0.0481	120	70 - 130
o-Xylene	0.0200	0.0230	115	70 - 130

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	RPD	QC LIMITS REC.
Acetone	0.200	0.190	94.8	7.46	25	70 - 160
Acrylonitrile	0.0200	0.0193	96.6	5.83	25	70 - 130
tert-Amyl Methyl Ether (TAME)	0.0200	0.0192	95.9	4.98	25	70 - 130
Benzene	0.0200	0.0159	79.6	9.57	25	70 - 130
Bromobenzene	0.0200	0.0204	102	18.3	25	70 - 130
Bromochloromethane	0.0200	0.0220	110	2.87	25	70 - 130
Bromodichloromethane	0.0200	0.0240	120	2.15	25	70 - 130
Bromoform	0.0200	0.0213	107	15.2	25	70 - 130
Bromomethane	0.0200	0.0169	84.6	4.39	25	40 - 130
2-Butanone (MEK)	0.200	0.183	91.3	8.13	25	70 - 160
tert-Butyl Alcohol (TBA)	0.200	0.189	94.3	3.86	25	40 - 130
n-Butylbenzene	0.0200	0.0159	79.4	16.1	25	70 - 130
sec-Butylbenzene	0.0200	0.0194	97.2	8.28	25	70 - 130
tert-Butylbenzene	0.0200	0.0178	88.9	23.2	25	70 - 160
tert-Butyl Ethyl Ether (TBEE)	0.0200	0.0196	98.0	0.813	25	70 - 130
Carbon Disulfide	0.0200	0.0181	90.5	1.90	25	70 - 130
Carbon Tetrachloride	0.0200	0.0207	104	4.16	25	70 - 130
Chlorobenzene	0.0200	0.0203	101	4.35	25	70 - 130
Chlorodibromomethane	0.0200	0.0244	122	15.7	25	70 - 130
Chloroethane	0.0200	0.0192	95.9	0.831	25	70 - 130
Chloroform	0.0200	0.0199	99.5	5.28	25	70 - 130
Chloromethane	0.0200	0.0167	83.3	3.07	25	70 - 130
2-Chlorotoluene	0.0200	0.0220	110	7.69	25	70 - 130
4-Chlorotoluene	0.0200	0.0188	93.8	21.8	25	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0164	82.0	22.5	25	70 - 130
1,2-Dibromoethane (EDB)	0.0200	0.0236	118	17.9	25	70 - 130
Dibromomethane	0.0200	0.0198	99.0	9.25	25	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B242520	Laboratory ID:	B242520-BSD1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,2-Dichlorobenzene	0.0200	0.0167	83.3	18.0	25	70 - 130
1,3-Dichlorobenzene	0.0200	0.0199	99.5	1.50	25	70 - 130
1,4-Dichlorobenzene	0.0200	0.0178	89.1	5.99	25	70 - 130
trans-1,4-Dichloro-2-butene	0.0200	0.0186	92.8	16.6	25	70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.0160	79.9	7.35	25	40 - 160
1,1-Dichloroethane	0.0200	0.0212	106	2.24	25	70 - 130
1,2-Dichloroethane	0.0200	0.0219	109	0.547	25	70 - 130
1,1-Dichloroethylene	0.0200	0.0199	99.5	11.7	25	70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0206	103	4.10	25	70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0209	104	3.80	25	70 - 130
1,2-Dichloropropane	0.0200	0.0190	94.8	3.12	25	70 - 130
1,3-Dichloropropane	0.0200	0.0226	113	18.8	25	70 - 130
2,2-Dichloropropane	0.0200	0.0196	97.9	5.46	25	70 - 130
1,1-Dichloropropene	0.0200	0.0212	106	8.78	25	70 - 130
cis-1,3-Dichloropropene	0.0200	0.0251	126	14.5	25	70 - 130
trans-1,3-Dichloropropene	0.0200	0.0206	103	4.93	25	70 - 130
Diethyl Ether	0.0200	0.0160	79.9	16.8	25	70 - 130
Diisopropyl Ether (DIPE)	0.0200	0.0196	98.0	0.820	25	70 - 130
1,4-Dioxane	0.200	0.181	90.4	10.8	50	40 - 160
Ethylbenzene	0.0200	0.0204	102	10.1	25	70 - 130
Hexachlorobutadiene	0.0200	0.0196	97.9	21.8	25	70 - 160
2-Hexanone (MBK)	0.200	0.206	103	18.8	25	70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0196	97.8	18.3	25	70 - 130
p-Isopropyltoluene (p-Cymene)	0.0200	0.0198	98.8	3.48	25	70 - 130
Methyl Acetate	0.0200	0.0173	86.5	3.29	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0222	111	1.63	25	70 - 130
Methyl Cyclohexane	0.0200	0.0186	93.0	7.24	25	70 - 130
Methylene Chloride	0.0200	0.0192	96.0	12.5	25	40 - 160
4-Methyl-2-pentanone (MIBK)	0.200	0.206	103	3.43	25	70 - 160
Naphthalene	0.0200	0.0131	65.3	17.9	25	40 - 130
n-Propylbenzene	0.0200	0.0204	102	14.4	25	70 - 130
Styrene	0.0200	0.0203	102	14.6	25	70 - 130
1,1,1,2-Tetrachloroethane	0.0200	0.0231	116	12.6	25	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0220	110	0.363	25	70 - 130
Tetrachloroethylene	0.0200	0.0255	127	3.44	25	70 - 130
Tetrahydrofuran	0.0200	0.0180	90.1	1.54	25	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B242520	Laboratory ID:	B242520-BSD1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Toluene	0.0200	0.0201	100	7.76	25	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0163	81.7	20.1	25	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0168	83.9	14.7	25	70 - 130
1,3,5-Trichlorobenzene	0.0200	0.0171	85.7	18.0	25	70 - 130
1,1,1-Trichloroethane	0.0200	0.0195	97.6	9.65	25	70 - 130
1,1,2-Trichloroethane	0.0200	0.0236	118	8.01	25	70 - 130
Trichloroethylene	0.0200	0.0226	113	4.52	25	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0196	97.8	0.510	25	70 - 130
1,2,3-Trichloropropane	0.0200	0.0205	103	14.5	25	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroeth ane (Freon 113)	0.0200	0.0221	111	24.3	25	70 - 130
1,2,4-Trimethylbenzene	0.0200	0.0187	93.5	13.2	25	70 - 130
1,3,5-Trimethylbenzene	0.0200	0.0183	91.4	25.7 *	25	70 - 130
Vinyl Chloride	0.0200	0.0186	93.1	5.13	25	40 - 130
m+p Xylene	0.0400	0.0400	100	18.3	25	70 - 130
o-Xylene	0.0200	0.0208	104	10.1	25	70 - 130

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

486

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Calibration:	1900195	Instrument:	GCMSVOA4
		Calibration Date:	6/3/2019 6:37:02AM

COMPOUND	Mean RF	RF RSD	Linear r ²	Quad COD	LIMIT	Q
Acetone	0.1323334	4.9			15	
Acrylonitrile	0.1827163	8.1			15	
tert-Amyl Methyl Ether (TAME)	0.6020929	10.8			15	
Benzene	1.016513	7.5			15	
Bromobenzene	0.6797344	6.0			15	
Bromochloromethane	0.1491653	6.5			15	
Bromodichloromethane	0.1607757	13.8			15	
Bromoform	0.2842803	10.5			15	
Bromomethane	0.2646063	65.1				
2-Butanone (MEK)	0.2505012	9.2			15	
tert-Butyl Alcohol (TBA)	5.389341E-02	10.7			15	
n-Butylbenzene	1.498723	9.8			15	
sec-Butylbenzene	0.3753634	13.6			15	
tert-Butylbenzene	1.279774	6.4			15	
tert-Butyl Ethyl Ether (TBEE)	0.9715114	7.0			15	
Carbon Disulfide	0.5850267	5.6			15	
Carbon Tetrachloride	0.3674599	11.3			15	
Chlorobenzene	1.129254	3.6			15	
Chlorodibromomethane	0.1469712	9.8			15	
Chloroethane	0.1633779	13.0			15	
Chloroform	0.479242	8.0			15	
Chloromethane	0.6473569	11.6			15	
2-Chlorotoluene	1.266486	8.1			15	
4-Chlorotoluene	1.490309	6.8			15	
Cyclohexane	0.907092	59.6				
1,2-Dibromo-3-chloropropane (DBCP)	8.602283E-02	10.2			15	
1,2-Dibromoethane (EDB)	0.1271825	5.8			15	
Dibromomethane	8.579724E-02	9.8			15	
1,2-Dichlorobenzene	0.8696371	7.7			15	
1,3-Dichlorobenzene	0.8855599	5.5			15	
1,4-Dichlorobenzene	0.9441266	6.0			15	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

487

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Calibration:	1900195	Instrument:	GCMSVOA4
		Calibration Date:	6/3/2019 6:37:02AM

COMPOUND	Mean RF	RF RSD	Linear r ²	Quad COD	LIMIT	Q
trans-1,4-Dichloro-2-butene	0.228071	11.1			15	
Dichlorodifluoromethane (Freon 12)	0.2966425	8.9			15	
1,1-Dichloroethane	0.5196352	7.8			15	
1,2-Dichloroethane	0.2849078	6.1			15	
1,1-Dichloroethylene	0.4249356	10.2			15	
cis-1,2-Dichloroethylene	0.5271954	7.0			15	
trans-1,2-Dichloroethylene	0.4656926	9.1			15	
1,2-Dichloropropane	0.1591117	6.6			15	
1,3-Dichloropropane	0.1972388	11.5			15	
2,2-Dichloropropane	0.4089595	7.7			15	
1,1-Dichloropropene	0.1097013	7.1			15	
cis-1,3-Dichloropropene	0.1953963	12.6			15	
trans-1,3-Dichloropropene	0.182882	9.1			15	
Diethyl Ether	0.1162305	10.3			15	
Diisopropyl Ether (DIPE)	1.564535	6.6			15	
1,4-Dioxane	1.687871E-03	29.8				
Ethanol	8.937206E-03	21.6				
Ethylbenzene	1.830223	7.0			15	
Hexachlorobutadiene	0.2996889	6.7			15	
2-Hexanone (MBK)	0.1875641	6.2			15	
Iodomethane	0.3237621	10.9			15	
Isopropylbenzene (Cumene)	0.4793733	11.8			15	
p-Isopropyltoluene (p-Cymene)	1.635366	6.0			15	
Methyl Acetate	0.459939	6.6			15	
Methyl tert-Butyl Ether (MTBE)	0.6663357	2.6			15	
Methyl Cyclohexane	0.2274408	6.4			15	
Methylene Chloride	0.6275776	8.4			15	
4-Methyl-2-pentanone (MIBK)	0.2626805	5.7			15	
Naphthalene	1.12205	28.0	0.999		0.99	
n-Propylbenzene	2.160499	6.5			15	
Styrene	1.187896	8.0			15	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

488

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Calibration:	1900195	Instrument:	GCMSVOA4
		Calibration Date:	6/3/2019 6:37:02AM

COMPOUND	Mean RF	RF RSD	Linear r ²	Quad COD	LIMIT	Q
1,1,1,2-Tetrachloroethane	0.3827312	11.3			15	
1,1,2,2-Tetrachloroethane	0.4839699	6.0			15	
Tetrachloroethylene	0.1491042	11.8			15	
Tetrahydrofuran	3.974057E-02	9.1			15	
Toluene	0.5932424	11.6			15	
1,2,3-Trichlorobenzene	0.4740036	13.4			15	
1,2,4-Trichlorobenzene	0.5480734	11.1			15	
1,3,5-Trichlorobenzene	0.5963089	11.2			15	
1,1,1-Trichloroethane	0.420453	6.5			15	
1,1,2-Trichloroethane	0.1017094	5.5			15	
Trichloroethylene	0.1815761	11.7			15	
Trichlorofluoromethane (Freon 11)	0.3755337	8.2			15	
1,2,3-Trichloropropane	0.152503	5.4			15	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.2071194	6.4			15	
1,2,4-Trimethylbenzene	1.509402	6.0			15	
1,3,5-Trimethylbenzene	1.542252	6.2			15	
Vinyl Acetate	1.155388	5.5			15	
Vinyl Chloride	0.3506729	5.9			15	
m+p Xylene	1.430983	8.0			15	
o-Xylene	1.479893	9.7			15	
1,2-Dichloroethane-d4	0.5093199	1.7			15	
Toluene-d8	0.8222333	0.5			15	
4-Bromofluorobenzene	0.9207177	1.2			15	

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Instrument ID:	GCMSVOA4	Calibration:	1900195
Lab File ID:	D19280005.D	Calibration Date:	06/03/19 06:37
Sequence:	S041150	Injection Date:	10/07/19
Lab Sample ID:	S041150-CCV1	Injection Time:	06:07

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	100	94.0	0.1323334	0.1244609		-5.9	20
Acrylonitrile	A	10.0	9.31	0.1827163	0.1700703		-6.9	20
tert-Amyl Methyl Ether (TAME)	A	10.0	10.0	0.6020929	0.6032353		0.2	20
Benzene	A	10.0	9.45	1.016513	0.9610702		-5.5	20
Bromobenzene	A	10.0	9.67	0.6797344	0.6575987		-3.3	20
Bromochloromethane	A	10.0	11.6	0.1491653	0.1732484		16.1	20
Bromodichloromethane	A	10.0	11.8	0.1607757	0.1902126		18.3	20
Bromoform	A	10.0	10.8	0.2842803	0.3054985		7.5	20
Bromomethane	A	10.0	12.4	0.2646063	0.2042933		24.4	20 *
2-Butanone (MEK)	A	100	89.9	0.2505012	0.2253109		-10.1	20
tert-Butyl Alcohol (TBA)	A	100	89.6	5.389341E-02	4.831249E-02		-10.4	20
n-Butylbenzene	A	10.0	9.82	1.498723	1.472181		-1.8	20
sec-Butylbenzene	A	10.0	10.4	0.3753634	0.3885598		3.5	20
tert-Butylbenzene	A	10.0	9.65	1.279774	1.234996		-3.5	20
tert-Butyl Ethyl Ether (TBEE)	A	10.0	10.2	0.9715114	0.9935447		2.3	20
Carbon Disulfide	A	100	105	0.5850267	0.6144447		5.0	20
Carbon Tetrachloride	A	10.0	11.2	0.3674599	0.4123695		12.2	20
Chlorobenzene	A	10.0	10.2	1.129254	1.147604		1.6	20
Chlorodibromomethane	A	10.0	11.6	0.1469712	0.1711937		16.5	20
Chloroethane	A	10.0	9.91	0.1633779	0.1618774		-0.9	20
Chloroform	A	10.0	9.92	0.479242	0.475196		-0.8	20
Chloromethane	A	10.0	9.97	0.6473569	0.6454862		-0.3	20
2-Chlorotoluene	A	10.0	10.5	1.266486	1.325058		4.6	20
4-Chlorotoluene	A	10.0	10.8	1.490309	1.607288		7.8	20
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	10.0	8.602283E-02	8.605473E-02		0.04	20
1,2-Dibromoethane (EDB)	A	10.0	11.1	0.1271825	0.1407713		10.7	20
Dibromomethane	A	10.0	10.8	8.579724E-02	9.273974E-02		8.1	20
1,2-Dichlorobenzene	A	10.0	9.77	0.8696371	0.8498139		-2.3	20
1,3-Dichlorobenzene	A	10.0	10.1	0.8855599	0.8970821		1.3	20

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Instrument ID:	GCMSVOA4	Calibration:	1900195
Lab File ID:	D19280005.D	Calibration Date:	06/03/19 06:37
Sequence:	S041150	Injection Date:	10/07/19
Lab Sample ID:	S041150-CCV1	Injection Time:	06:07

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR		% DIFF./DRIFT		
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dichlorobenzene	A	10.0	10.0	0.9441266	0.9487412		0.5	20
trans-1,4-Dichloro-2-butene	A	10.0	9.67	0.228071	0.2206354		-3.3	20
Dichlorodifluoromethane (Freon 12)	A	10.0	8.28	0.2966425	0.2455764		-17.2	20
1,1-Dichloroethane	A	10.0	10.5	0.5196352	0.5441149		4.7	20
1,2-Dichloroethane	A	10.0	11.5	0.2849078	0.3274006		14.9	20
1,1-Dichloroethylene	A	10.0	10.2	0.4249356	0.4356064		2.5	20
cis-1,2-Dichloroethylene	A	10.0	10.4	0.5271954	0.5489316		4.1	20
trans-1,2-Dichloroethylene	A	10.0	10.1	0.4656926	0.4707422		1.1	20
1,2-Dichloropropane	A	10.0	10.1	0.1591117	0.161381		1.4	20
1,3-Dichloropropane	A	10.0	11.1	0.1972388	0.2186031		10.8	20
2,2-Dichloropropane	A	10.0	9.94	0.4089595	0.4064311		-0.6	20
1,1-Dichloropropene	A	10.0	11.3	0.1097013	0.1235085		12.6	20
cis-1,3-Dichloropropene	A	10.0	11.8	0.1953963	0.2306917		18.1	20
trans-1,3-Dichloropropene	A	10.0	11.6	0.182882	0.2120036		15.9	20
Diethyl Ether	A	10.0	9.05	0.1162305	0.1051873		-9.5	20
Diisopropyl Ether (DIPE)	A	10.0	9.31	1.564535	1.456787		-6.9	20
1,4-Dioxane	A	100	116	1.687871E-03	2.027894E-03		16.0	20
Ethylbenzene	A	10.0	10.2	1.830223	1.86308		1.8	20
Hexachlorobutadiene	A	10.0	11.7	0.2996889	0.3513683		17.2	20
2-Hexanone (MBK)	A	100	95.6	0.1875641	0.1793667		-4.4	20
Isopropylbenzene (Cumene)	A	10.0	9.79	0.4793733	0.4693544		-2.1	20
p-Isopropyltoluene (p-Cymene)	A	10.0	10.2	1.635366	1.660635		1.5	20
Methyl Acetate	A	10.0	9.08	0.459939	0.4176702		-9.2	20
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.1	0.6663357	0.6740237		1.2	20
Methyl Cyclohexane	A	10.0	10.3	0.2274408	0.2343931		3.1	20
Methylene Chloride	A	10.0	9.69	0.6275776	0.608206		-3.1	20
4-Methyl-2-pentanone (MIBK)	A	100	96.0	0.2626805	0.2520661		-4.0	20
Naphthalene	L	10.0	8.09	1.12205	1.056225		-19.1	20
n-Propylbenzene	A	10.0	10.1	2.160499	2.177954		0.8	20

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Instrument ID:	GCMSVOA4	Calibration:	1900195
Lab File ID:	D19280005.D	Calibration Date:	06/03/19 06:37
Sequence:	S041150	Injection Date:	10/07/19
Lab Sample ID:	S041150-CCV1	Injection Time:	06:07

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF. / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Styrene	A	10.0	10.5	1.187896	1.243215		4.7	20
1,1,1,2-Tetrachloroethane	A	10.0	11.0	0.3827312	0.4197753		9.7	20
1,1,2,2-Tetrachloroethane	A	10.0	10.1	0.4839699	0.4899842		1.2	20
Tetrachloroethylene	A	10.0	11.9	0.1491042	0.1775254		19.1	20
Tetrahydrofuran	A	10.0	9.49	3.974057E-02	3.769809E-02		-5.1	20
Toluene	A	10.0	10.4	0.5932424	0.6196458		4.5	20
1,2,3-Trichlorobenzene	A	10.0	10.3	0.4740036	0.4864738		2.6	20
1,2,4-Trichlorobenzene	A	10.0	10.3	0.5480734	0.5652854		3.1	20
1,3,5-Trichlorobenzene	A	10.0	10.6	0.5963089	0.6347146		6.4	20
1,1,1-Trichloroethane	A	10.0	10.6	0.420453	0.4472304		6.4	20
1,1,2-Trichloroethane	A	10.0	11.0	0.1017094	0.1119713		10.1	20
Trichloroethylene	A	10.0	11.1	0.1815761	0.2021279		11.3	20
Trichlorofluoromethane (Freon 11)	A	10.0	11.5	0.3755337	0.4308887		14.7	20
1,2,3-Trichloropropane	A	10.0	10.4	0.152503	0.1577958		3.5	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	10.2	0.2071194	0.2122112		2.5	20
1,2,4-Trimethylbenzene	A	10.0	10.2	1.509402	1.532585		1.5	20
1,3,5-Trimethylbenzene	A	10.0	10.9	1.542252	1.684655		9.2	20
Vinyl Chloride	A	10.0	9.65	0.3506729	0.33837		-3.5	20
m+p Xylene	A	20.0	20.9	1.430983	1.492187		4.3	20
o-Xylene	A	10.0	10.3	1.479893	1.52536		3.1	20
1,2-Dichloroethane-d4	A	25.0	24.2	0.5093199	0.4933303		-3.1	
Toluene-d8	A	25.0	25.2	0.8222333	0.8272959		0.6	
4-Bromofluorobenzene	A	25.0	25.5	0.9207177	0.9388356		2.0	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Instrument ID:	GCMSVOA4	Calibration:	1900195
Lab File ID:	D19281004.D	Calibration Date:	06/03/19 06:37
Sequence:	S041203	Injection Date:	10/08/19
Lab Sample ID:	S041203-CCV1	Injection Time:	05:27

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	100	100	0.1323334	0.1322631		-0.05	20
Acrylonitrile	A	10.0	10.1	0.1827163	0.1848928		1.2	20
tert-Amyl Methyl Ether (TAME)	A	10.0	10.0	0.6020929	0.6025452		0.08	20
Benzene	A	10.0	9.39	1.016513	0.9544621		-6.1	20
Bromobenzene	A	10.0	10.5	0.6797344	0.711668		4.7	20
Bromochloromethane	A	10.0	10.0	0.1491653	0.1491228		-0.03	20
Bromodichloromethane	A	10.0	11.9	0.1607757	0.1912136		18.9	20
Bromoform	A	10.0	12.0	0.2842803	0.3416683		20.2	20 *
Bromomethane	A	10.0	11.5	0.2646063	0.1907188		14.7	20
2-Butanone (MEK)	A	100	96.7	0.2505012	0.2421822		-3.3	20
tert-Butyl Alcohol (TBA)	A	100	104	5.389341E-02	5.614375E-02		4.2	20
n-Butylbenzene	A	10.0	9.52	1.498723	1.426243		-4.8	20
sec-Butylbenzene	A	10.0	10.3	0.3753634	0.3879854		3.4	20
tert-Butylbenzene	A	10.0	10.4	1.279774	1.324333		3.5	20
tert-Butyl Ethyl Ether (TBEE)	A	10.0	10.3	0.9715114	0.9997035		2.9	20
Carbon Disulfide	A	100	105	0.5850267	0.6152931		5.2	20
Carbon Tetrachloride	A	10.0	10.9	0.3674599	0.4012918		9.2	20
Chlorobenzene	A	10.0	10.4	1.129254	1.171631		3.8	20
Chlorodibromomethane	A	10.0	11.8	0.1469712	0.1740177		18.4	20
Chloroethane	A	10.0	9.34	0.1633779	0.1525946		-6.6	20
Chloroform	A	10.0	9.19	0.479242	0.4402948		-8.1	20
Chloromethane	A	10.0	10.4	0.6473569	0.6743347		4.2	20
2-Chlorotoluene	A	10.0	10.4	1.266486	1.318904		4.1	20
4-Chlorotoluene	A	10.0	11.0	1.490309	1.644726		10.4	20
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	10.3	8.602283E-02	8.865739E-02		3.1	20
1,2-Dibromoethane (EDB)	A	10.0	12.4	0.1271825	0.1578515		24.1	20 *
Dibromomethane	A	10.0	11.1	8.579724E-02	9.551458E-02		11.3	20
1,2-Dichlorobenzene	A	10.0	9.39	0.8696371	0.8164558		-6.1	20
1,3-Dichlorobenzene	A	10.0	10.3	0.8855599	0.9110882		2.9	20

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Instrument ID:	GCMSVOA4	Calibration:	1900195
Lab File ID:	D19281004.D	Calibration Date:	06/03/19 06:37
Sequence:	S041203	Injection Date:	10/08/19
Lab Sample ID:	S041203-CCV1	Injection Time:	05:27

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dichlorobenzene	A	10.0	10.0	0.9441266	0.9439043		-0.02	20
trans-1,4-Dichloro-2-butene	A	10.0	9.59	0.228071	0.2188222		-4.1	20
Dichlorodifluoromethane (Freon 12)	A	10.0	9.65	0.2966425	0.2862464		-3.5	20
1,1-Dichloroethane	A	10.0	10.7	0.5196352	0.5551774		6.8	20
1,2-Dichloroethane	A	10.0	11.3	0.2849078	0.3223108		13.1	20
1,1-Dichloroethylene	A	10.0	10.4	0.4249356	0.4432024		4.3	20
cis-1,2-Dichloroethylene	A	10.0	10.5	0.5271954	0.5530401		4.9	20
trans-1,2-Dichloroethylene	A	10.0	11.1	0.4656926	0.515556		10.7	20
1,2-Dichloropropane	A	10.0	9.43	0.1591117	0.1499835		-5.7	20
1,3-Dichloropropane	A	10.0	12.0	0.1972388	0.2357169		19.5	20
2,2-Dichloropropane	A	10.0	10.0	0.4089595	0.4088212		-0.03	20
1,1-Dichloropropene	A	10.0	10.2	0.1097013	0.1121378		2.2	20
cis-1,3-Dichloropropene	A	10.0	12.1	0.1953963	0.2362855		20.9	20
trans-1,3-Dichloropropene	A	10.0	11.8	0.182882	0.2159854		18.1	20
Diethyl Ether	A	10.0	9.33	0.1162305	0.1084924		-6.7	20
Diisopropyl Ether (DIPE)	A	10.0	9.92	1.564535	1.552483		-0.8	20
1,4-Dioxane	A	100	103	1.687871E-03	1.753393E-03		2.9	20
Ethylbenzene	A	10.0	9.12	1.830223	1.66932		-8.8	20
Hexachlorobutadiene	A	10.0	11.5	0.2996889	0.3435357		14.6	20
2-Hexanone (MBK)	A	100	102	0.1875641	0.1917991		2.3	20
Isopropylbenzene (Cumene)	A	10.0	10.6	0.4793733	0.5086296		6.1	20
p-Isopropyltoluene (p-Cymene)	A	10.0	9.90	1.635366	1.618449		-1.0	20
Methyl Acetate	A	10.0	10.7	0.459939	0.4935429		7.3	20
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.5	0.6663357	0.6979969		4.8	20
Methyl Cyclohexane	A	10.0	10.0	0.2274408	0.2284098		0.4	20
Methylene Chloride	A	10.0	10.0	0.6275776	0.6289957		0.2	20
4-Methyl-2-pentanone (MIBK)	A	100	104	0.2626805	0.2724175		3.7	20
Naphthalene	L	10.0	8.01	1.12205	1.043451		-19.9	20
n-Propylbenzene	A	10.0	10.8	2.160499	2.330485		7.9	20

CONTINUING CALIBRATION VERIFICATION

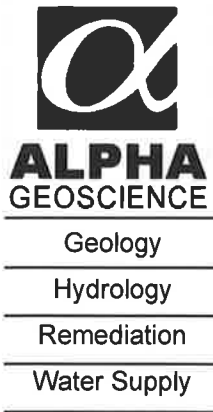
SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Instrument ID:	GCMSVOA4	Calibration:	1900195
Lab File ID:	D19281004.D	Calibration Date:	06/03/19 06:37
Sequence:	S041203	Injection Date:	10/08/19
Lab Sample ID:	S041203-CCV1	Injection Time:	05:27

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Styrene	A	10.0	10.8	1.187896	1.279006		7.7	20
1,1,1,2-Tetrachloroethane	A	10.0	11.1	0.3827312	0.42351		10.7	20
1,1,2,2-Tetrachloroethane	A	10.0	10.6	0.4839699	0.510613		5.5	20
Tetrachloroethylene	A	10.0	11.8	0.1491042	0.1755775		17.8	20
Tetrahydrofuran	A	10.0	11.4	3.974057E-02	4.515455E-02		13.6	20
Toluene	A	10.0	9.99	0.5932424	0.5927037		-0.09	20
1,2,3-Trichlorobenzene	A	10.0	10.2	0.4740036	0.4854471		2.4	20
1,2,4-Trichlorobenzene	A	10.0	9.34	0.5480734	0.5118228		-6.6	20
1,3,5-Trichlorobenzene	A	10.0	9.57	0.5963089	0.5706424		-4.3	20
1,1,1-Trichloroethane	A	10.0	10.6	0.420453	0.4473685		6.4	20
1,1,2-Trichloroethane	A	10.0	11.0	0.1017094	0.1120496		10.2	20
Trichloroethylene	A	10.0	11.6	0.1815761	0.2101843		15.8	20
Trichlorofluoromethane (Freon 11)	A	10.0	11.3	0.3755337	0.4240752		12.9	20
1,2,3-Trichloropropane	A	10.0	11.0	0.152503	0.1679425		10.1	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	10.2	0.2071194	0.2110937		1.9	20
1,2,4-Trimethylbenzene	A	10.0	10.0	1.509402	1.513542		0.3	20
1,3,5-Trimethylbenzene	A	10.0	10.6	1.542252	1.637335		6.2	20
Vinyl Chloride	A	10.0	10.0	0.3506729	0.3525787		0.5	20
m+p Xylene	A	20.0	19.3	1.430983	1.380369		-3.5	20
o-Xylene	A	10.0	10.9	1.479893	1.614829		9.1	20
1,2-Dichloroethane-d4	A	25.0	23.6	0.5093199	0.4809426		-5.6	
Toluene-d8	A	25.0	25.5	0.8222333	0.8399013		2.1	
4-Bromofluorobenzene	A	25.0	26.1	0.9207177	0.961423		4.4	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits



**QA/QC Review of Method 8270D Semi-Volatiles Data for
Con-Test Analytical Laboratory, Work Order No: 19J0330**

**20 Soil Samples and 2 Field Duplicates
Collected October 2-3, 2019**

Prepared by: Donald Anné
December 11, 2019

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRF for applicable compounds were above the method minimums, as required.

The average RRFs for target compounds were above the allowable minimum (0.010), as required.

The %RSDs for benzoic acid, 2,4-dinitrophenol, and pentachlorophenol were above the allowable maximum (30%) for GCMSSV4 on 09-04-19. The %RSDs for benzidine and 2,4-dinitrophenol were above the allowable maximum (30%) for GCMSSV2 on 09-25-19. Positive results for these compounds should be considered estimated (J) in associated samples.

Continuing Calibration: The RRFs for applicable compounds were above the method minimums, as required. The %D for 4-nitrophenol was above the method maximum on 10-09-19 (S041266-CCV1). The %Ds for 2,4-dinitrophenol and 2,4-dinitrotoluene were above the method maximum on 10-09-19 (S041283-CCV1). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The RRFs for target compounds were above the allowable minimum (0.010), as required.

The %Ds for benzidine, 4-nitrophenol, and pyridine were above the allowable maximum (25%) on 10-09-19 (S041266-CCV1). The %Ds for benzidine, 2,4-dinitrophenol, and 2,4-dinitrotoluene were above the allowable maximum (25%) on 10-09-19 (S041283-CCV1). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analyses of the method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences (RPDs) for 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene were above the allowable maximum; 2 of 2 percent recoveries (%Rs) for aniline and pyridine and 1 of 2 %Rs for 4-chloroaniline were below QC limits, but not below 10%; and 2 of 2 %Rs for benzidine and 3,3'-dichlorobenzidine were below QC limits and one or both below 10% for soil MS/MSD sample TP-6 (0-2')-1. The positive results for 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene should be considered estimated (J); "not detected" results for aniline, pyridine, and 4-chloroaniline should be considered estimated (UJ); and "not detected" results for benzidine and 3,3'-dichlorobenzidine should be considered rejected, unusable (R) in sample TP-6 (0-2').

The RPDs for target compounds were below the allowable maximum but 2 of 2 %Rs for benzidine were below QC limits and below 10% for soil MS/MSD sample TP-12 (10'). The "not detected" result for benzidine should be considered rejected, unusable (R) in sample TP-12 (10').

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximum and percent recoveries (%Rs) were within QC limits for soil samples B242511-BS1 and B242511-BSD1.

The RPD for benzidine was above the allowable maximum and 1 of 2 %Rs for benzidine were above QC limits soil samples B242512-BS1 and B242512-BSD1. Positive results for benzidine should be considered estimated, biased high (J+) in associated soil samples.

Field Duplicate: The analyses of soil field duplicate pair TP-9 (10')/DUP 1 reported target compounds as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

The relative percent differences for applicable compounds were below the allowable maximum (35%) for soil field duplicate pair TP-5 (0-2')/DUP 2 (attached table), as required.

Compound ID: Checked compounds and surrogates were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

Semi-Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. 19J0330

S1= TP-5 (0-2')

S2= DUP 2

<u>Analyte</u>	<u>S1</u>	<u>S2</u>	<u>RPD (%)</u>
Benzo(a)anthracene	0.21	0.25	17%
Benzo(a)pyrene	0.19	0.25	NC
Benzo (b) fluranthene	0.22	0.30	31%
Benzo (g,h,i) perylene	0.13	0.13	NC
Chrysene	0.20	0.26	26%
Fluranthene	0.41	0.42	2%
Indeno (1,2,3-cd) pyrene	0.15	0.17	NC
Phenanthrene	0.26	0.17	NC
Pyrene	0.42	0.55	27%

* RPD is above the allowable maximum 35%.

Results are in units of ug/kg.

Bold numbers were values that below the CRQL.

ND - Not detected.

NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TP-6 (0-2')

Laboratory: Con-Test Analytical Laboratory
 Client: Weston & Sampson - Albany, NY
 Matrix: Soil
 Batch: B242511
 % Solids: 84.97
 Initial/Final: 30.1 g / 1 mL
 Column:

Work Order: 19J0330
 Project: Thompson Mill
 Analysis: SW-846 8270D-E
 Preparation: SW-846 3546
 Laboratory ID: B242511-MS1
 Sample Lab ID: 19J0330-10

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.	QC LIMITS REC.
Acenaphthene	1.95	ND	1.38	70.5	40 - 140
Acenaphthylene	1.95	ND	1.48	76.0	40 - 140
Acetophenone	1.95	ND	1.47	75.1	40 - 140
Aniline	1.95	ND	0.396	20.3	* 40 - 140
Anthracene	1.95	0.122	1.52	71.4	40 - 140
Benzidine	1.95	ND	0.77 U	0	* 40 - 140
Benzo(a)anthracene	1.95	0.530	1.88	69.0	40 - 140
Benzo(a)pyrene	1.95	0.489	1.76	65.2	40 - 140
Benzo(b)fluoranthene	1.95	0.612	2.02	72.2	40 - 140
Benzo(g,h,i)perylene	1.95	0.320	1.98	85.0	40 - 140
Benzo(k)fluoranthene	1.95	0.250	1.77	77.9	40 - 140
Benzoic Acid	1.95	ND	1.21	61.9	40 - 140
Bis(2-chloroethoxy)methane	1.95	ND	1.42	72.8	40 - 140
Bis(2-chloroethyl)ether	1.95	ND	1.24	63.5	40 - 140
Bis(2-chloroisopropyl)ether	1.95	ND	1.38	70.3	40 - 140
Bis(2-Ethylhexyl)phthalate	1.95	ND	1.50	76.9	40 - 140
4-Bromophenylphenylether	1.95	ND	1.54	78.9	40 - 140
Butylbenzylphthalate	1.95	ND	1.49	76.2	40 - 140
Carbazole	1.95	ND	1.43	73.3	40 - 140
4-Chloroaniline	1.95	ND	0.805	41.2	40 - 140
4-Chloro-3-methylphenol	1.95	ND	1.44	73.7	30 - 130
2-Chloronaphthalene	1.95	ND	1.29	66.1	40 - 140
2-Chlorophenol	1.95	ND	1.28	65.6	30 - 130
4-Chlorophenylphenylether	1.95	ND	1.59	81.5	40 - 140
Chrysene	1.95	0.581	1.88	66.4	40 - 140
Dibenz(a,h)anthracene	1.95	ND	1.76	90.1	40 - 140
Dibenzofuran	1.95	ND	1.67	85.6	40 - 140
Di-n-butylphthalate	1.95	ND	1.46	74.6	40 - 140
1,2-Dichlorobenzene	1.95	ND	1.28	65.5	40 - 140
1,3-Dichlorobenzene	1.95	ND	1.23	62.8	40 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TP-6 (0-2')

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Analysis:	SW-846 8270D-E
Batch:	B242511	Preparation:	SW-846 3546
% Solids:	84.97	Laboratory ID:	B242511-MS1
Initial/Final:	30.1 g / 1 mL	Sample Lab ID:	19J0330-10
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.	QC LIMITS REC.
1,4-Dichlorobenzene	1.95	ND	1.26	64.6	40 - 140
3,3-Dichlorobenzidine	1.95	ND	0.128	6.54	* 40 - 140
2,4-Dichlorophenol	1.95	ND	1.30	66.7	30 - 130
Diethylphthalate	1.95	ND	1.53	78.1	40 - 140
2,4-Dimethylphenol	1.95	ND	0.723	37.0	30 - 130
Dimethylphthalate	1.95	ND	1.52	77.5	40 - 140
4,6-Dinitro-2-methylphenol	1.95	ND	1.01	51.9	30 - 130
2,4-Dinitrophenol	1.95	ND	0.714	36.5	30 - 130
2,4-Dinitrotoluene	1.95	ND	1.60	81.9	40 - 140
2,6-Dinitrotoluene	1.95	ND	1.61	82.5	40 - 140
Di-n-octylphthalate	1.95	ND	1.85	94.8	40 - 140
1,2-Diphenylhydrazine/Azobenzene	1.95	ND	1.33	68.0	40 - 140
Fluoranthene	1.95	1.06	2.16	56.2	40 - 140
Fluorene	1.95	ND	1.55	79.1	40 - 140
Hexachlorobenzene	1.95	ND	1.57	80.1	40 - 140
Hexachlorobutadiene	1.95	ND	1.62	82.7	40 - 140
Hexachlorocyclopentadiene	1.95	ND	1.13	57.8	30 - 130
Hexachloroethane	1.95	ND	1.32	67.4	40 - 140
Indeno(1,2,3-cd)pyrene	1.95	0.378	2.09	87.7	40 - 140
Isophorone	1.95	ND	1.53	78.2	40 - 140
1-Methylnaphthalene	1.95	0.172	1.92	89.2	40 - 140
2-Methylnaphthalene	1.95	0.201	2.32	108	40 - 140
2-Methylphenol	1.95	ND	1.06	54.4	30 - 130
3/4-Methylphenol	1.95	ND	1.20	61.2	30 - 130
Naphthalene	1.95	0.152	1.79	84.0	40 - 140
2-Nitroaniline	1.95	ND	1.26	64.4	40 - 140
3-Nitroaniline	1.95	ND	0.886	45.3	40 - 140
4-Nitroaniline	1.95	ND	0.909	46.5	40 - 140
Nitrobenzene	1.95	ND	1.41	72.3	40 - 140
2-Nitrophenol	1.95	ND	1.45	74.4	30 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TP-6 (0-2')

Laboratory: Con-Test Analytical Laboratory
 Client: Weston & Sampson - Albany, NY
 Matrix: Soil
 Batch: B242511
 % Solids: 84.97
 Initial/Final: 30.1 g / 1 mL
 Column:

Work Order: 19J0330
 Project: Thompson Mill
 Analysis: SW-846 8270D-E
 Preparation: SW-846 3546
 Laboratory ID: B242511-MS1
 Sample Lab ID: 19J0330-10

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.	QC LIMITS REC.
4-Nitrophenol	1.95	ND	1.62	82.7	30 - 130
N-Nitrosodimethylamine	1.95	ND	1.15	58.7	40 - 140
N-Nitrosodiphenylamine/Diphenylamine	1.95	ND	1.42	72.6	40 - 140
N-Nitrosodi-n-propylamine	1.95	ND	1.43	72.9	40 - 140
Pentachloronitrobenzene	1.95	ND	1.69	86.5	40 - 140
Pentachlorophenol	1.95	ND	1.06	54.2	30 - 130
Phenanthrene	1.95	0.889	2.08	60.8	40 - 140
Phenol	1.95	ND	1.26	64.3	30 - 130
Pyrene	1.95	1.23	2.14	46.4	40 - 140
Pyridine	1.95	ND	0.571	29.2	40 - 140
1,2,4,5-Tetrachlorobenzene	1.95	ND	1.58	80.6	40 - 140
1,2,4-Trichlorobenzene	1.95	ND	1.58	80.8	40 - 140
2,4,5-Trichlorophenol	1.95	ND	1.49	76.0	30 - 130
2,4,6-Trichlorophenol	1.95	ND	1.45	74.0	30 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TP-6 (0-2')

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Analysis:	SW-846 8270D-E
Batch:	B242511	Preparation:	SW-846 3546
% Solids:	84.97	Laboratory ID:	B242511-MSD1
Initial/Final:	30.5 g / 1 mL	Sample Lab ID:	19J0330-10
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #	%	QC LIMITS	
					RPD	REC.
Acenaphthene	1.93	1.22	63.2	12.2	30	40 - 140
Acenaphthylene	1.93	1.35	69.7	9.86	30	40 - 140
Acetophenone	1.93	1.22	63.5	18.1	30	40 - 140
Aniline	1.93	0.432	22.4 *	8.53	30	40 - 140
Anthracene	1.93	1.36	64.3	10.8	30	40 - 140
Benzidine	1.93	0.76 U	0 *		30	40 - 140
Benzo(a)anthracene	1.93	1.88	70.0	0.0854	30	40 - 140
Benzo(a)pyrene	1.93	1.75	65.3	0.834	30	40 - 140
Benzo(b)fluoranthene	1.93	1.94	68.6	4.46	30	40 - 140
Benzo(g,h,i)perylene	1.93	1.99	86.4	0.285	30	40 - 140
Benzo(k)fluoranthene	1.93	1.57	68.4	12.2	30	40 - 140
Benzoic Acid	1.93	1.12	58.2	7.42	30	40 - 140
Bis(2-chloroethoxy)methane	1.93	1.21	62.7	16.2	30	40 - 140
Bis(2-chloroethyl)ether	1.93	1.07	55.4	14.9	30	40 - 140
Bis(2-chloroisopropyl)ether	1.93	1.17	60.8	15.9	30	40 - 140
Bis(2-Ethylhexyl)phthalate	1.93	1.37	70.8	9.47	30	40 - 140
4-Bromophenylphenylether	1.93	1.33	69.0	14.8	30	40 - 140
Butylbenzylphthalate	1.93	1.39	71.9	7.10	30	40 - 140
Carbazole	1.93	1.29	67.0	10.3	30	40 - 140
4-Chloroaniline	1.93	0.741	38.4 *	8.25	30	40 - 140
4-Chloro-3-methylphenol	1.93	1.28	66.3	11.9	30	30 - 130
2-Chloronaphthalene	1.93	1.14	59.2	12.4	30	40 - 140
2-Chlorophenol	1.93	1.11	57.6	14.2	30	30 - 130
4-Chlorophenylphenylether	1.93	1.41	73.1	12.2	30	40 - 140
Chrysene	1.93	1.90	68.1	0.820	30	40 - 140
Dibenz(a,h)anthracene	1.93	1.72	89.1	2.37	30	40 - 140
Dibenzofuran	1.93	1.41	72.8	17.4	30	40 - 140
Di-n-butylphthalate	1.93	1.28	66.6	12.8	30	40 - 140
1,2-Dichlorobenzene	1.93	1.09	56.4	16.2	30	40 - 140
1,3-Dichlorobenzene	1.93	1.06	54.8	14.9	30	40 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TP-6 (0-2')

Laboratory: Con-Test Analytical Laboratory
 Client: Weston & Sampson - Albany, NY
 Matrix: Soil
 Batch: B242511
 % Solids: 84.97
 Initial/Final: 30.5 g / 1 mL
 Column:

Work Order: 19J0330
 Project: Thompson Mill
 Analysis: SW-846 8270D-E
 Preparation: SW-846 3546
 Laboratory ID: B242511-MSD1
 Sample Lab ID: 19J0330-10

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
1,4-Dichlorobenzene	1.93	1.09	56.6	14.5	30	40 - 140
3,3-Dichlorobenzidine	1.93	0.194	10.0 *		30	40 - 140
2,4-Dichlorophenol	1.93	1.14	59.2	13.2	30	30 - 130
Diethylphthalate	1.93	1.38	71.7	9.76	30	40 - 140
2,4-Dimethylphenol	1.93	0.589	30.5	20.4	30	30 - 130
Dimethylphthalate	1.93	1.37	70.8	10.4	30	40 - 140
4,6-Dinitro-2-methylphenol	1.93	0.966	50.1	4.93	30	30 - 130
2,4-Dinitrophenol	1.93	0.718	37.2	0.525	30	30 - 130
2,4-Dinitrotoluene	1.93	1.38	71.5	14.9	30	40 - 140
2,6-Dinitrotoluene	1.93	1.41	73.0	13.6	30	40 - 140
Di-n-octylphthalate	1.93	1.48	76.5	22.6	30	40 - 140
1,2-Diphenylhydrazine/Azobenzene	1.93	1.19	61.9	10.6	30	40 - 140
Fluoranthene	1.93	2.36	67.5	9.02	30	40 - 140
Fluorene	1.93	1.40	72.6	9.91	30	40 - 140
Hexachlorobenzene	1.93	1.32	68.6	16.7	30	40 - 140
Hexachlorobutadiene	1.93	1.36	70.6	17.1	30	40 - 140
Hexachlorocyclopentadiene	1.93	0.945	49.0	17.8	30	30 - 130
Hexachloroethane	1.93	1.14	59.0	14.7	30	40 - 140
Indeno(1,2,3-cd)pyrene	1.93	2.10	89.4	0.420	30	40 - 140
Isophorone	1.93	1.31	67.7	15.6	30	40 - 140
1-Methylnaphthalene	1.93	1.30	58.6	38.2 *	30	40 - 140
2-Methylnaphthalene	1.93	1.57	70.9	38.6 *	30	40 - 140
2-Methylphenol	1.93	0.937	48.6	12.7	30	30 - 130
3/4-Methylphenol	1.93	1.06	54.8	12.3	30	30 - 130
Naphthalene	1.93	1.33	60.8	30.0 *	30	40 - 140
2-Nitroaniline	1.93	1.17	60.9	6.84	30	40 - 140
3-Nitroaniline	1.93	0.897	46.5	1.25	30	40 - 140
4-Nitroaniline	1.93	0.879	45.6	3.32	30	40 - 140
Nitrobenzene	1.93	1.18	61.4	17.6	30	40 - 140
2-Nitrophenol	1.93	1.23	63.7	16.9	30	30 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TP-6 (0-2')

Laboratory: Con-Test Analytical Laboratory
 Client: Weston & Sampson - Albany, NY
 Matrix: Soil
 Batch: B242511
 % Solids: 84.97
 Initial/Final: 30.5 g / 1 mL
 Column:

Work Order: 19J0330
 Project: Thompson Mill
 Analysis: SW-846 8270D-E
 Preparation: SW-846 3546
 Laboratory ID: B242511-MSD1
 Sample Lab ID: 19J0330-10

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
4-Nitrophenol	1.93	1.48	76.5	9.16	30	30 - 130
N-Nitrosodimethylamine	1.93	0.987	51.2	15.0	30	40 - 140
N-Nitrosodiphenylamine/Diphenylamine	1.93	1.25	65.0	12.4	30	40 - 140
N-Nitrosodi-n-propylamine	1.93	1.22	63.1	15.8	30	40 - 140
Pentachloronitrobenzene	1.93	1.44	74.6	16.0	30	40 - 140
Pentachlorophenol	1.93	0.997	51.7	6.08	30	30 - 130
Phenanthrene	1.93	2.03	59.3	2.11	30	40 - 140
Phenol	1.93	1.09	56.3	14.6	30	30 - 130
Pyrene	1.93	2.48	64.6	14.7	30	40 - 140
Pyridine	1.93	0.499	25.9 *	13.4	30	40 - 140
1,2,4,5-Tetrachlorobenzene	1.93	1.36	70.5	14.6	30	40 - 140
1,2,4-Trichlorobenzene	1.93	1.31	67.7	18.9	30	40 - 140
2,4,5-Trichlorophenol	1.93	1.31	67.9	12.7	30	30 - 130
2,4,6-Trichlorophenol	1.93	1.27	65.7	13.2	30	30 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TP-12 (10')

Laboratory: Con-Test Analytical Laboratory
 Client: Weston & Sampson - Albany, NY
 Matrix: Soil
 Batch: B242512
 % Solids: 89.24
 Initial/Final: 30.4 g / 1 mL
 Column:

Work Order: 19J0330
 Project: Thompson Mill
 Analysis: SW-846 8270D-E
 Preparation: SW-846 3546
 Laboratory ID: B242512-MS1
 Sample Lab ID: 19J0330-21

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.	QC LIMITS REC.
Acenaphthene	1.84	ND	1.47	79.7	40 - 140
Acenaphthylene	1.84	ND	1.45	78.5	40 - 140
Acetophenone	1.84	ND	1.44	78.2	40 - 140
Aniline	1.84	ND	1.03	56.1	40 - 140
Anthracene	1.84	ND	1.52	82.6	40 - 140
Benzidine	1.84	ND	0.0667	3.62	40 - 140
Benzo(a)anthracene	1.84	ND	1.55	84.2	40 - 140
Benzo(a)pyrene	1.84	ND	1.49	80.9	40 - 140
Benzo(b)fluoranthene	1.84	ND	1.50	81.5	40 - 140
Benzo(g,h,i)perylene	1.84	ND	1.60	87.0	40 - 140
Benzo(k)fluoranthene	1.84	ND	1.51	82.0	40 - 140
Benzoic Acid	1.84	ND	0.972	52.7	40 - 140
Bis(2-chloroethoxy)methane	1.84	ND	1.44	78.2	40 - 140
Bis(2-chloroethyl)ether	1.84	ND	1.47	79.6	40 - 140
Bis(2-chloroisopropyl)ether	1.84	ND	1.63	88.6	40 - 140
Bis(2-Ethylhexyl)phthalate	1.84	ND	1.52	82.2	40 - 140
4-Bromophenylphenylether	1.84	ND	1.46	79.2	40 - 140
Butylbenzylphthalate	1.84	ND	1.54	83.6	40 - 140
Carbazole	1.84	ND	1.46	79.1	40 - 140
4-Chloroaniline	1.84	ND	1.22	66.1	40 - 140
4-Chloro-3-methylphenol	1.84	ND	1.51	81.8	30 - 130
2-Chloronaphthalene	1.84	ND	1.26	68.2	40 - 140
2-Chlorophenol	1.84	ND	1.41	76.6	30 - 130
4-Chlorophenylphenylether	1.84	ND	1.53	83.2	40 - 140
Chrysene	1.84	ND	1.52	82.7	40 - 140
Dibenz(a,h)anthracene	1.84	ND	1.59	86.2	40 - 140
Dibenzofuran	1.84	ND	1.52	82.7	40 - 140
Di-n-butylphthalate	1.84	ND	1.46	79.4	40 - 140
1,2-Dichlorobenzene	1.84	ND	1.42	77.2	40 - 140
1,3-Dichlorobenzene	1.84	ND	1.41	76.3	40 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TP-12 (10')

Laboratory: Con-Test Analytical Laboratory
 Client: Weston & Sampson - Albany, NY
 Matrix: Soil
 Batch: B242512
 % Solids: 89.24
 Initial/Final: 30.4 g / 1 mL
 Column:

Work Order: 19J0330
 Project: Thompson Mill
 Analysis: SW-846 8270D-E
 Preparation: SW-846 3546
 Laboratory ID: B242512-MS1
 Sample Lab ID: 19J0330-21

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.	QC LIMITS REC.
1,4-Dichlorobenzene	1.84	ND	1.42	76.8	40 - 140
3,3-Dichlorobenzidine	1.84	ND	1.36	73.6	40 - 140
2,4-Dichlorophenol	1.84	ND	1.48	80.1	30 - 130
Diethylphthalate	1.84	ND	1.54	83.8	40 - 140
2,4-Dimethylphenol	1.84	ND	1.28	69.7	30 - 130
Dimethylphthalate	1.84	ND	1.50	81.4	40 - 140
4,6-Dinitro-2-methylphenol	1.84	ND	1.65	89.8	30 - 130
2,4-Dinitrophenol	1.84	ND	1.80	97.9	30 - 130
2,4-Dinitrotoluene	1.84	ND	1.75	94.7	40 - 140
2,6-Dinitrotoluene	1.84	ND	1.72	93.2	40 - 140
Di-n-octylphthalate	1.84	ND	1.51	81.8	40 - 140
1,2-Diphenylhydrazine/Azobenzene	1.84	ND	1.49	80.9	40 - 140
Fluoranthene	1.84	ND	1.49	80.6	40 - 140
Fluorene	1.84	ND	1.52	82.5	40 - 140
Hexachlorobenzene	1.84	ND	1.45	78.5	40 - 140
Hexachlorobutadiene	1.84	ND	1.41	76.5	40 - 140
Hexachlorocyclopentadiene	1.84	ND	1.37	74.2	30 - 130
Hexachloroethane	1.84	ND	1.36	74.0	40 - 140
Indeno(1,2,3-cd)pyrene	1.84	ND	1.70	92.2	40 - 140
Isophorone	1.84	ND	1.49	80.7	40 - 140
1-Methylnaphthalene	1.84	ND	1.32	71.7	40 - 140
2-Methylnaphthalene	1.84	ND	1.57	85.1	40 - 140
2-Methylphenol	1.84	ND	1.37	74.5	30 - 130
3/4-Methylphenol	1.84	ND	1.41	76.2	30 - 130
Naphthalene	1.84	ND	1.43	77.6	40 - 140
2-Nitroaniline	1.84	ND	1.89	103	40 - 140
3-Nitroaniline	1.84	ND	1.47	79.7	40 - 140
4-Nitroaniline	1.84	ND	1.63	88.2	40 - 140
Nitrobenzene	1.84	ND	1.45	78.7	40 - 140
2-Nitrophenol	1.84	ND	1.59	86.2	30 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TP-12 (10')

Laboratory: Con-Test Analytical Laboratory
 Client: Weston & Sampson - Albany, NY
 Matrix: Soil
 Batch: B242512
 % Solids: 89.24
 Initial/Final: 30.4 g / 1 mL
 Column:

Work Order: 19J0330
 Project: Thompson Mill
 Analysis: SW-846 8270D-E
 Preparation: SW-846 3546
 Laboratory ID: B242512-MS1
 Sample Lab ID: 19J0330-21

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.	QC LIMITS REC.
4-Nitrophenol	1.84	ND	1.60	86.7	30 - 130
N-Nitrosodimethylamine	1.84	ND	1.48	80.5	40 - 140
N-Nitrosodiphenylamine/Diphenylamine	1.84	ND	1.51	81.9	40 - 140
N-Nitrosodi-n-propylamine	1.84	ND	1.46	79.0	40 - 140
Pentachloronitrobenzene	1.84	ND	1.65	89.5	40 - 140
Pentachlorophenol	1.84	ND	1.22	66.0	30 - 130
Phenanthrene	1.84	ND	1.48	80.1	40 - 140
Phenol	1.84	ND	1.37	74.1	30 - 130
Pyrene	1.84	ND	1.56	84.6	40 - 140
Pyridine	1.84	ND	0.859	46.6	40 - 140
1,2,4,5-Tetrachlorobenzene	1.84	ND	1.44	78.3	40 - 140
1,2,4-Trichlorobenzene	1.84	ND	1.46	79.0	40 - 140
2,4,5-Trichlorophenol	1.84	ND	1.47	79.8	30 - 130
2,4,6-Trichlorophenol	1.84	ND	1.51	81.8	30 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TP-12 (10')

Laboratory: Con-Test Analytical Laboratory
 Client: Weston & Sampson - Albany, NY
 Matrix: Soil
 Batch: B242512
 % Solids: 89.24
 Initial/Final: 30.6 g / 1 mL
 Column:

Work Order: 19J0330
 Project: Thompson Mill
 Analysis: SW-846 8270D-E
 Preparation: SW-846 3546
 Laboratory ID: B242512-MSD1
 Sample Lab ID: 19J0330-21

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
Acenaphthene	1.83	1.43	78.1	2.63	30	40 - 140
Acenaphthylene	1.83	1.41	76.7	2.92	30	40 - 140
Acetophenone	1.83	1.34	73.2	7.21	30	40 - 140
Aniline	1.83	0.915	50.0	12.2	30	40 - 140
Anthracene	1.83	1.47	80.3	3.53	30	40 - 140
Benzidine	1.83	0.0465	2.54		30	40 - 140
Benzo(a)anthracene	1.83	1.52	82.8	2.33	30	40 - 140
Benzo(a)pyrene	1.83	1.46	79.9	1.87	30	40 - 140
Benzo(b)fluoranthene	1.83	1.47	80.3	2.07	30	40 - 140
Benzo(g,h,i)perylene	1.83	1.49	81.3	7.36	30	40 - 140
Benzo(k)fluoranthene	1.83	1.50	81.8	0.900	30	40 - 140
Benzoic Acid	1.83	1.06	58.0	8.91	30	40 - 140
Bis(2-chloroethoxy)methane	1.83	1.42	77.8	1.12	30	40 - 140
Bis(2-chloroethyl)ether	1.83	1.35	73.7	8.25	30	40 - 140
Bis(2-chloroisopropyl)ether	1.83	1.51	82.5	7.86	30	40 - 140
Bis(2-Ethylhexyl)phthalate	1.83	1.50	82.0	0.948	30	40 - 140
4-Bromophenylphenylether	1.83	1.41	77.2	3.24	30	40 - 140
Butylbenzylphthalate	1.83	1.49	81.4	3.35	30	40 - 140
Carbazole	1.83	1.42	77.4	2.88	30	40 - 140
4-Chloroaniline	1.83	1.15	62.9	5.59	30	40 - 140
4-Chloro-3-methylphenol	1.83	1.49	81.3	1.24	30	30 - 130
2-Chloronaphthalene	1.83	1.20	65.8	4.30	30	40 - 140
2-Chlorophenol	1.83	1.31	71.7	7.27	30	30 - 130
4-Chlorophenylphenylether	1.83	1.51	82.7	1.35	30	40 - 140
Chrysene	1.83	1.48	80.6	3.15	30	40 - 140
Dibenz(a,h)anthracene	1.83	1.47	80.3	7.77	30	40 - 140
Dibenzofuran	1.83	1.48	80.6	3.23	30	40 - 140
Di-n-butylphthalate	1.83	1.46	79.9	0.0277	30	40 - 140
1,2-Dichlorobenzene	1.83	1.33	72.4	7.02	30	40 - 140
1,3-Dichlorobenzene	1.83	1.29	70.6	8.36	30	40 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TP-12 (10')

Laboratory: Con-Test Analytical Laboratory
 Client: Weston & Sampson - Albany, NY
 Matrix: Soil
 Batch: B242512
 % Solids: 89.24
 Initial/Final: 30.6 g / 1 mL
 Column:

Work Order: 19J0330
 Project: Thompson Mill
 Analysis: SW-846 8270D-E
 Preparation: SW-846 3546
 Laboratory ID: B242512-MSD1
 Sample Lab ID: 19J0330-21

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
1,4-Dichlorobenzene	1.83	1.31	71.3	8.08	30	40 - 140
3,3-Dichlorobenzidine	1.83	1.08	58.9	22.8	30	40 - 140
2,4-Dichlorophenol	1.83	1.44	78.7	2.44	30	30 - 130
Diethylphthalate	1.83	1.53	83.6	0.919	30	40 - 140
2,4-Dimethylphenol	1.83	1.22	66.4	5.42	30	30 - 130
Dimethylphthalate	1.83	1.45	79.4	3.12	30	40 - 140
4,6-Dinitro-2-methylphenol	1.83	1.62	88.5	2.07	30	30 - 130
2,4-Dinitrophenol	1.83	1.84	100	1.81	30	30 - 130
2,4-Dinitrotoluene	1.83	1.71	93.6	1.87	30	40 - 140
2,6-Dinitrotoluene	1.83	1.72	94.2	0.369	30	40 - 140
Di-n-octylphthalate	1.83	1.52	83.2	1.04	30	40 - 140
1,2-Diphenylhydrazine/Azobenzene	1.83	1.44	78.8	3.31	30	40 - 140
Fluoranthene	1.83	1.48	80.6	0.656	30	40 - 140
Fluorene	1.83	1.50	82.1	1.07	30	40 - 140
Hexachlorobenzene	1.83	1.45	79.3	0.384	30	40 - 140
Hexachlorobutadiene	1.83	1.35	73.7	4.36	30	40 - 140
Hexachlorocyclopentadiene	1.83	1.31	71.7	4.19	30	30 - 130
Hexachloroethane	1.83	1.32	71.9	3.42	30	40 - 140
Indeno(1,2,3-cd)pyrene	1.83	1.62	88.3	4.93	30	40 - 140
Isophorone	1.83	1.47	80.5	1.00	30	40 - 140
1-Methylnaphthalene	1.83	1.30	71.3	1.30	30	40 - 140
2-Methylnaphthalene	1.83	1.58	86.0	0.396	30	40 - 140
2-Methylphenol	1.83	1.29	70.3	6.48	30	30 - 130
3/4-Methylphenol	1.83	1.34	73.3	4.61	30	30 - 130
Naphthalene	1.83	1.40	76.3	2.35	30	40 - 140
2-Nitroaniline	1.83	1.87	102	0.871	30	40 - 140
3-Nitroaniline	1.83	1.39	75.9	5.57	30	40 - 140
4-Nitroaniline	1.83	1.57	85.8	3.44	30	40 - 140
Nitrobenzene	1.83	1.39	76.2	3.96	30	40 - 140
2-Nitrophenol	1.83	1.55	84.9	2.27	30	30 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TP-12 (10')

Laboratory: Con-Test Analytical Laboratory
 Client: Weston & Sampson - Albany, NY
 Matrix: Soil
 Batch: B242512
 % Solids: 89.24
 Initial/Final: 30.6 g / 1 mL
 Column:

Work Order: 19J0330
 Project: Thompson Mill
 Analysis: SW-846 8270D-E
 Preparation: SW-846 3546
 Laboratory ID: B242512-MSD1
 Sample Lab ID: 19J0330-21

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #	% RPD	QC LIMITS	
					RPD	REC.
4-Nitrophenol	1.83	1.54	84.3	3.48	30	30 - 130
N-Nitrosodimethylamine	1.83	1.37	75.0	7.70	30	40 - 140
N-Nitrosodiphenylamine/Diphenylamine	1.83	1.38	75.4	8.97	30	40 - 140
N-Nitrosodi-n-propylamine	1.83	1.34	73.3	8.06	30	40 - 140
Pentachloronitrobenzene	1.83	1.61	87.8	2.53	30	40 - 140
Pentachlorophenol	1.83	1.26	68.5	3.15	30	30 - 130
Phenanthrene	1.83	1.44	78.7	2.39	30	40 - 140
Phenol	1.83	1.29	70.3	5.84	30	30 - 130
Pyrene	1.83	1.55	84.7	0.538	30	40 - 140
Pyridine	1.83	0.733	40.0	15.8	30	40 - 140
1,2,4,5-Tetrachlorobenzene	1.83	1.36	74.3	5.98	30	40 - 140
1,2,4-Trichlorobenzene	1.83	1.39	75.8	4.74	30	40 - 140
2,4,5-Trichlorophenol	1.83	1.47	80.1	0.381	30	30 - 130
2,4,6-Trichlorophenol	1.83	1.43	78.3	5.08	30	30 - 130

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D-E

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B242512	Laboratory ID:	B242512-BS1
Column:		Initial/Final:	30 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
Acenaphthene	1.67	1.47	88.2	40 - 140
Acenaphthylene	1.67	1.46	87.6	40 - 140
Acetophenone	1.67	1.30	77.9	40 - 140
Aniline	1.67	1.14	68.5	10 - 140
Anthracene	1.67	1.48	88.7	40 - 140
Benzidine	1.67	1.78	107	40 - 140
Benzo(a)anthracene	1.67	1.56	93.7	40 - 140
Benzo(a)pyrene	1.67	1.47	88.2	40 - 140
Benzo(b)fluoranthene	1.67	1.52	91.2	40 - 140
Benzo(g,h,i)perylene	1.67	1.58	94.7	40 - 140
Benzo(k)fluoranthene	1.67	1.50	89.8	40 - 140
Benzoic Acid	1.67	0.892	53.5	30 - 130
Bis(2-chloroethoxy)methane	1.67	1.46	87.5	40 - 140
Bis(2-chloroethyl)ether	1.67	1.25	74.7	40 - 140
Bis(2-chloroisopropyl)ether	1.67	1.41	84.7	40 - 140
Bis(2-Ethylhexyl)phthalate	1.67	1.52	91.2	40 - 140
4-Bromophenylphenylether	1.67	1.43	85.9	40 - 140
Butylbenzylphthalate	1.67	1.54	92.1	40 - 140
Carbazole	1.67	1.41	84.8	40 - 140
4-Chloroaniline	1.67	1.10	66.3	10 - 140
4-Chloro-3-methylphenol	1.67	1.45	87.2	30 - 130
2-Chloronaphthalene	1.67	1.23	73.7	40 - 140
2-Chlorophenol	1.67	1.33	79.6	30 - 130
4-Chlorophenylphenylether	1.67	1.49	89.6	40 - 140
Chrysene	1.67	1.51	90.9	40 - 140
Dibenz(a,h)anthracene	1.67	1.58	94.9	40 - 140
Dibenzofuran	1.67	1.49	89.6	40 - 140
Di-n-butylphthalate	1.67	1.40	83.7	40 - 140
1,2-Dichlorobenzene	1.67	1.14	68.4	40 - 140
1,3-Dichlorobenzene	1.67	1.13	67.9	40 - 140
1,4-Dichlorobenzene	1.67	1.12	67.1	40 - 140
3,3-Dichlorobenzidine	1.67	1.33	79.9	20 - 140
2,4-Dichlorophenol	1.67	1.48	89.0	30 - 130
Diethylphthalate	1.67	1.52	91.3	40 - 140
2,4-Dimethylphenol	1.67	1.36	81.5	30 - 130
Dimethylphthalate	1.67	1.46	87.3	40 - 140
4,6-Dinitro-2-methylphenol	1.67	1.57	94.0	30 - 130

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D-E

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B242512	Laboratory ID:	B242512-BS1
Column:		Initial/Final:	30 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
2,4-Dinitrophenol	1.67	1.57	94.3	30 - 130
2,4-Dinitrotoluene	1.67	1.70	102	40 - 140
2,6-Dinitrotoluene	1.67	1.72	103	40 - 140
Di-n-octylphthalate	1.67	1.50	90.2	40 - 140
1,2-Diphenylhydrazine/Azobenzene	1.67	1.44	86.3	40 - 140
Fluoranthene	1.67	1.44	86.4	40 - 140
Fluorene	1.67	1.52	90.9	40 - 140
Hexachlorobenzene	1.67	1.43	85.8	40 - 140
Hexachlorobutadiene	1.67	1.27	75.9	40 - 140
Hexachlorocyclopentadiene	1.67	1.19	71.6	40 - 140
Hexachloroethane	1.67	1.12	67.2	40 - 140
Indeno(1,2,3-cd)pyrene	1.67	1.68	101	40 - 140
Isophorone	1.67	1.46	87.8	40 - 140
1-Methylnaphthalene	1.67	1.30	78.3	40 - 140
2-Methylnaphthalene	1.67	1.51	90.9	40 - 140
2-Methylphenol	1.67	1.34	80.2	30 - 130
3/4-Methylphenol	1.67	1.39	83.5	30 - 130
Naphthalene	1.67	1.35	81.3	40 - 140
2-Nitroaniline	1.67	1.87	112	40 - 140
3-Nitroaniline	1.67	1.40	84.0	30 - 140
4-Nitroaniline	1.67	1.58	94.8	40 - 140
Nitrobenzene	1.67	1.36	81.6	40 - 140
2-Nitrophenol	1.67	1.50	90.3	30 - 130
4-Nitrophenol	1.67	1.60	95.7	30 - 130
N-Nitrosodimethylamine	1.67	1.19	71.5	40 - 140
N-Nitrosodiphenylamine/Diphenylamine	1.67	1.49	89.2	40 - 140
N-Nitrosodi-n-propylamine	1.67	1.31	78.8	40 - 140
Pentachloronitrobenzene	1.67	1.58	95.0	40 - 140
Pentachlorophenol	1.67	1.29	77.2	30 - 130
Phenanthrene	1.67	1.47	87.9	40 - 140
Phenol	1.67	1.32	79.4	30 - 130
Pyrene	1.67	1.59	95.1	40 - 140
Pyridine	1.67	0.768	46.1	30 - 140
1,2,4,5-Tetrachlorobenzene	1.67	1.46	87.3	40 - 140
1,2,4-Trichlorobenzene	1.67	1.32	79.5	40 - 140
2,4,5-Trichlorophenol	1.67	1.49	89.5	30 - 130
2,4,6-Trichlorophenol	1.67	1.50	90.3	30 - 130

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D-E

Laboratory: Con-Test Analytical Laboratory
 Client: Weston & Sampson - Albany, NY
 Matrix: Soil
 Batch: B242512
 Column:

Work Order: 19J0330
 Project: Thompson Mill
 Preparation: SW-846 3546
 Laboratory ID: B242512-BS1
 Initial/Final: 30 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Acenaphthene	1.67	1.40	84.0	4.90	30	40 - 140
Acenaphthylene	1.67	1.40	84.1	4.03	30	40 - 140
Acetophenone	1.67	1.42	85.1	8.86	30	40 - 140
Aniline	1.67	1.36	81.4	17.3	50	10 - 140
Anthracene	1.67	1.45	86.8	2.12	30	40 - 140
Benzidine	1.67	2.45	147 *	31.7 *	30	40 - 140
Benzo(a)anthracene	1.67	1.51	90.4	3.61	30	40 - 140
Benzo(a)pyrene	1.67	1.44	86.5	1.90	30	40 - 140
Benzo(b)fluoranthene	1.67	1.45	86.9	4.76	30	40 - 140
Benzo(g,h,i)perylene	1.67	1.54	92.1	2.74	30	40 - 140
Benzo(k)fluoranthene	1.67	1.48	88.5	1.37	30	40 - 140
Benzoic Acid	1.67	0.734	44.0	19.5	50	30 - 130
Bis(2-chloroethoxy)methane	1.67	1.44	86.4	1.31	30	40 - 140
Bis(2-chloroethyl)ether	1.67	1.44	86.4	14.4	30	40 - 140
Bis(2-chloroisopropyl)ether	1.67	1.64	98.6	15.1	30	40 - 140
Bis(2-Ethylhexyl)phthalate	1.67	1.46	87.7	3.93	30	40 - 140
4-Bromophenylphenylether	1.67	1.42	85.3	0.748	30	40 - 140
Butylbenzylphthalate	1.67	1.50	90.2	2.08	30	40 - 140
Carbazole	1.67	1.40	83.9	1.09	30	40 - 140
4-Chloroaniline	1.67	1.09	65.5	1.24	30	10 - 140
4-Chloro-3-methylphenol	1.67	1.44	86.2	1.11	30	30 - 130
2-Chloronaphthalene	1.67	1.17	70.2	4.89	30	40 - 140
2-Chlorophenol	1.67	1.42	85.3	6.86	30	30 - 130
4-Chlorophenylphenylether	1.67	1.48	88.7	0.942	30	40 - 140
Chrysene	1.67	1.47	88.4	2.74	30	40 - 140
Dibenz(a,h)anthracene	1.67	1.50	89.9	5.37	30	40 - 140
Dibenzofuran	1.67	1.47	88.0	1.76	30	40 - 140
Di-n-butylphthalate	1.67	1.42	85.0	1.52	30	40 - 140
1,2-Dichlorobenzene	1.67	1.38	82.9	19.2	30	40 - 140
1,3-Dichlorobenzene	1.67	1.38	82.9	20.0	30	40 - 140
1,4-Dichlorobenzene	1.67	1.38	82.5	20.6	30	40 - 140
3,3-Dichlorobenzidine	1.67	1.21	72.8	9.27	50	20 - 140
2,4-Dichlorophenol	1.67	1.44	86.3	2.99	30	30 - 130
Diethylphthalate	1.67	1.48	88.5	3.14	30	40 - 140
2,4-Dimethylphenol	1.67	1.37	82.4	1.10	30	30 - 130
Dimethylphthalate	1.67	1.44	86.4	1.06	30	40 - 140

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D-E

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B242512	Laboratory ID:	B242512-BSD1
Column:		Initial/Final:	30 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
4,6-Dinitro-2-methylphenol	1.67	1.43	86.0	8.80	30	30 - 130
2,4-Dinitrophenol	1.67	1.21	72.5	26.1	30	30 - 130
2,4-Dinitrotoluene	1.67	1.69	101	0.766	30	40 - 140
2,6-Dinitrotoluene	1.67	1.65	99.1	3.90	30	40 - 140
Di-n-octylphthalate	1.67	1.48	88.9	1.50	30	40 - 140
1,2-Diphenylhydrazine/Azobenzene	1.67	1.41	84.6	2.01	30	40 - 140
Fluoranthene	1.67	1.42	85.0	1.56	30	40 - 140
Fluorene	1.67	1.46	87.7	3.58	30	40 - 140
Hexachlorobenzene	1.67	1.44	86.5	0.743	30	40 - 140
Hexachlorobutadiene	1.67	1.42	85.4	11.8	30	40 - 140
Hexachlorocyclopentadiene	1.67	1.36	81.5	13.0	30	40 - 140
Hexachloroethane	1.67	1.38	82.8	20.8	30	40 - 140
Indeno(1,2,3-cd)pyrene	1.67	1.62	97.1	3.76	30	40 - 140
Isophorone	1.67	1.51	90.5	3.10	30	40 - 140
1-Methylnaphthalene	1.67	1.30	78.0	0.358	30	40 - 140
2-Methylnaphthalene	1.67	1.56	93.6	2.91	30	40 - 140
2-Methylphenol	1.67	1.34	80.7	0.547	30	30 - 130
3/4-Methylphenol	1.67	1.39	83.3	0.192	30	30 - 130
Naphthalene	1.67	1.44	86.2	5.90	30	40 - 140
2-Nitroaniline	1.67	1.82	109	2.73	30	40 - 140
3-Nitroaniline	1.67	1.36	81.5	3.05	30	30 - 140
4-Nitroaniline	1.67	1.57	94.5	0.402	30	40 - 140
Nitrobenzene	1.67	1.44	86.6	5.99	30	40 - 140
2-Nitrophenol	1.67	1.57	94.0	4.04	30	30 - 130
4-Nitrophenol	1.67	1.49	89.4	6.81	50	30 - 130
N-Nitrosodimethylamine	1.67	1.51	90.4	23.3	30	40 - 140
N-Nitrosodiphenylamine/Diphenylamine	1.67	1.44	86.5	3.05	30	40 - 140
N-Nitrosodi-n-propylamine	1.67	1.42	85.1	7.69	30	40 - 140
Pentachloronitrobenzene	1.67	1.56	93.4	1.66	30	40 - 140
Pentachlorophenol	1.67	1.28	77.0	0.285	30	30 - 130
Phenanthrene	1.67	1.43	85.6	2.70	30	40 - 140
Phenol	1.67	1.32	79.5	0.151	30	30 - 130
Pyrene	1.67	1.52	91.0	4.47	30	40 - 140
Pyridine	1.67	0.977	58.6	24.0	30	30 - 140
1,2,4,5-Tetrachlorobenzene	1.67	1.42	85.0	2.67	30	40 - 140

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D-E

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B242512	Laboratory ID:	B242512-BSD1
Column:		Initial/Final:	30 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,2,4-Trichlorobenzene	1.67	1.47	88.1	10.3	30	40 - 140
2,4,5-Trichlorophenol	1.67	1.44	86.4	3.43	30	30 - 130
2,4,6-Trichlorophenol	1.67	1.46	87.4	3.29	30	30 - 130

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

930

SW-846 8270D-E

Laboratory: Con-Test Analytical Laboratory
Client: Weston & Sampson - Albany, NY
Calibration: 1900294

Work Order: 19J0330
Project: Thompson Mill
Instrument: GCMS5V4
Calibration Date: 9/4/2019 3:05:36PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Acenaphthene	1.212481	3.9			20	
Acenaphthylene	2.014451	3.1			20	
Acetophenone	1.959467	5.2			20	
Aniline	0.7470085	4.9			20	
Anthracene	1.120124	3.4			20	
Benzidine	0.3253801	12.9			20	
Benzo(a)anthracene	1.344144	3.3			20	
Benzo(a)pyrene	1.105889	5.1			20	
Benzo(b)fluoranthene	1.2437	4.8			20	
Benzo(g,h,i)perylene	0.9387913	13.8			20	
Benzo(k)fluoranthene	1.173317	3.6			20	
Benzoic Acid	0.1693107	37.1	0.998		0.99	
Bis(2-chloroethoxy)methane	0.4323059	2.1			20	
Bis(2-chloroethyl)ether	1.186348	4.0			20	
Bis(2-chloroisopropyl)ether	2.113533	3.8			20	
Bis(2-Ethylhexyl)phthalate	0.9584481	3.4			20	
4-Bromophenylphenylether	0.2193844	3.8			20	
Butylbenzylphthalate	0.6793525	5.8			20	
Carbazole	1.061342	3.5			20	
4-Chloroaniline	0.4084468	4.5			20	
4-Chloro-3-methylphenol	0.3135482	3.2			20	
2-Chloronaphthalene	1.494928	3.4			20	
2-Chlorophenol	1.423616	3.1			20	
4-Chlorophenylphenylether	0.6788658	3.0			20	
Chrysene	1.289308	2.4			20	
Dibenz(a,h)anthracene	0.9643548	8.0			20	
Dibenzofuran	1.768505	3.0			20	
Di-n-butylphthalate	1.328639	5.2			20	
1,2-Dichlorobenzene	1.500853	3.5			20	
1,3-Dichlorobenzene	1.578386	3.3			20	
1,4-Dichlorobenzene	1.584794	3.7			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

931

SW-846 8270D-E

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Calibration:	1900294	Instrument:	GCMSSV4
		Calibration Date:	9/4/2019 3:05:36PM

COMPOUND	Mean RF	RF RSD	Linear r ²	Quad COD	LIMIT	Q
3,3-Dichlorobenzidine	0.5007821	4.4			20	
2,4-Dichlorophenol	0.2971189	4.2			20	
Diethylphthalate	1.425759	2.7			20	
2,4-Dimethylphenol	0.3233533	2.4			20	
Dimethylphthalate	1.419774	4.0			20	
4,6-Dinitro-2-methylphenol	0.1184014	20.4	0.998		0.99	
2,4-Dinitrophenol	0.1113555	53.0	0.992		0.99	
2,4-Dinitrotoluene	0.3908994	8.4			20	
2,6-Dinitrotoluene	0.2907871	7.0			20	
Di-n-octylphthalate	1.538375	8.2			20	
1,2-Diphenylhydrazine/Azobenzene	0.7818208	2.6			20	
Fluoranthene	1.229705	6.4			20	
Fluorene	1.35545	3.3			20	
Hexachlorobenzene	0.2549156	3.8			20	
Hexachlorobutadiene	0.2079957	4.1			20	
Hexachlorocyclopentadiene	0.3770963	17.0	0.994		0.99	
Hexachloroethane	0.6238241	3.6			20	
Indeno(1,2,3-cd)pyrene	0.8883946	9.1			20	
Isophorone	0.6720927	2.9			20	
1-Methylnaphthalene	0.722737	4.2			20	
2-Methylnaphthalene	0.6422685	3.3			20	
2-Methylphenol	1.323755	2.6			20	
3/4-Methylphenol	1.470021	5.0			20	
Naphthalene	1.058045	3.9			20	
2-Nitroaniline	0.4186875	6.0			20	
3-Nitroaniline	0.331973	4.0			20	
4-Nitroaniline	0.3321593	6.5			20	
Nitrobenzene	0.4055119	3.0			20	
2-Nitrophenol	0.1905416	5.7			20	
4-Nitrophenol	0.1873585	12.8			20	
N-Nitrosodimethylamine	0.8069758	9.8			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

932

SW-846 8270D-E

Laboratory: Con-Test Analytical Laboratory
Client: Weston & Sampson - Albany, NY
Calibration: 1900294

Work Order: 19J0330
Project: Thompson Mill
Instrument: GCMSSV4
Calibration Date: 9/4/2019 3:05:36PM

COMPOUND	Mean RF	RF RSD	Linear r ²	Quad COD	LIMIT	Q
N-Nitrosodiphenylamine/Diphenylamine	0.6001046	3.5			20	
N-Nitrosodi-n-propylamine	0.9617206	3.7			20	
Pentachloronitrobenzene	4.334696E-02	4.5			20	
Pentachlorophenol	0.0916899	40.8	0.996		0.99	
Phenanthrene	1.097769	2.9			20	
Phenol	1.755178	2.4			20	
Pyrene	1.453826	3.2			20	
Pyridine	1.56847	7.3			20	
1,2,4,5-Tetrachlorobenzene	0.687966	4.0			20	
1,2,4-Trichlorobenzene	0.3517043	4.1			20	
2,4,5-Trichlorophenol	0.4578859	4.8			20	
2,4,6-Trichlorophenol	0.4357215	4.2			20	
2-Fluorophenol	1.234507	2.9			20	
Phenol-d6	1.602249	2.3			20	
Nitrobenzene-d5	0.3920845	3.8			20	
2-Fluorobiphenyl	1.167071	3.7			20	
2,4,6-Tribromophenol	0.1908833	7.6			20	
p-Terphenyl-d14	0.6810405	2.5			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

939

SW-846 8270D-E

Laboratory: Con-Test Analytical Laboratory
Client: Weston & Sampson - Albany, NY
Calibration: 1900305

Work Order: 19J0330
Project: Thompson Mill
Instrument: GCMSSV2
Calibration Date: 9/25/2019 10:51:39AM

COMPOUND	Mean RF	RF RSD	Linear r ²	Quad COD	LIMIT	Q
Acenaphthene	1.230503	3.0			20	
Acenaphthylene	1.858297	1.8			20	
Acetophenone	1.933661	3.5			20	
Aniline	0.6780378	2.7			20	
Anthracene	1.194634	3.7			20	
Benzdine	0.4032185	31.8			20	*
Benzo(a)anthracene	1.309423	2.0			20	
Benzo(a)pyrene	1.098824	3.8			20	
Benzo(b)fluoranthene	1.188701	3.1			20	
Benzo(g,h,i)perylene	1.124985	2.0			20	
Benzo(k)fluoranthene	1.150691	1.8			20	
Benzoic Acid	0.1933278	22.6	0.998		0.99	
Bis(2-chloroethoxy)methane	0.4104122	3.6			20	
Bis(2-chloroethyl)ether	0.9717228	2.2			20	
Bis(2-chloroisopropyl)ether	1.65583	2.0			20	
Bis(2-Ethylhexyl)phthalate	0.9579336	5.0			20	
4-Bromophenylphenylether	0.2010137	3.0			20	
Butylbenzylphthalate	0.7017929	4.6			20	
Carbazole	1.127428	3.4			20	
4-Chloroaniline	0.4207119	4.9			20	
4-Chloro-3-methylphenol	0.3038791	4.6			20	
2-Chloronaphthalene	1.422846	4.6			20	
2-Chlorophenol	1.497373	1.6			20	
4-Chlorophenylphenylether	0.5552247	2.6			20	
Chrysene	1.304338	1.6			20	
Dibenz(a,h)anthracene	1.040348	3.5			20	
Dibenzofuran	1.613734	3.3			20	
Di-n-butylphthalate	1.295085	3.5			20	
1,2-Dichlorobenzene	1.506904	1.7			20	
1,3-Dichlorobenzene	1.555247	2.4			20	
1,4-Dichlorobenzene	1.585874	1.6			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

940

SW-846 8270D-E

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Calibration:	1900305	Instrument:	GCMSSV2
		Calibration Date:	9/25/2019 10:51:39AM

COMPOUND	Mean RF	RF RSD	Linear r ²	Quad COD	LIMIT	Q
3,3-Dichlorobenzidine	0.4619248	3.5			20	
2,4-Dichlorophenol	0.2918112	3.6			20	
Diethylphthalate	1.19775	2.5			20	
2,4-Dimethylphenol	0.3436417	2.9			20	
Dimethylphthalate	1.27778	6.5			20	
4,6-Dinitro-2-methylphenol	0.1098267	24.4	0.997		0.99	
2,4-Dinitrophenol	0.1025362	30.5	0.992		0.99	
2,4-Dinitrotoluene	0.3328184	9.0			20	
2,6-Dinitrotoluene	0.2657782	7.3			20	
Di-n-octylphthalate	1.475481	7.1			20	
1,2-Diphenylhydrazine/Azobenzene	0.8651666	5.0			20	
Fluoranthene	1.207721	2.0			20	
Fluorene	1.294242	5.2			20	
Hexachlorobenzene	0.2271254	5.3			20	
Hexachlorobutadiene	0.1546937	3.6			20	
Hexachlorocyclopentadiene	0.3512059	7.1			20	
Hexachloroethane	0.6654231	3.2			20	
Indeno(1,2,3-cd)pyrene	0.9763091	3.3			20	
Isophorone	0.6704725	3.3			20	
1-Methylnaphthalene	0.7198042	3.9			20	
2-Methylnaphthalene	0.6401256	3.6			20	
2-Methylphenol	1.404462	1.9			20	
3/4-Methylphenol	1.561683	4.7			20	
Naphthalene	1.057673	4.3			20	
2-Nitroaniline	0.3505215	3.4			20	
3-Nitroaniline	0.3371755	4.0			20	
4-Nitroaniline	0.349754	3.7			20	
Nitrobenzene	0.3812504	1.9			20	
2-Nitrophenol	0.1811941	5.8			20	
4-Nitrophenol	0.1671223	8.1			20	
N-Nitrosodimethylamine	0.5636005	9.0			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

941

SW-846 8270D-E

Laboratory: Con-Test Analytical Laboratory
 Client: Weston & Sampson - Albany, NY
 Calibration: 1900305

Work Order: 19J0330
 Project: Thompson Mill
 Instrument: GCMSSV2
 Calibration Date: 9/25/2019 10:51:39AM

COMPOUND	Mean RF	RF RSD	Linear r ²	Quad COD	LIMIT	Q
N-Nitrosodiphenylamine/Diphenylamine	0.6531827	4.0			20	
N-Nitrosodi-n-propylamine	1.013331	4.2			20	
Pentachloronitrobenzene	3.797963E-02	8.5			20	
Pentachlorophenol	0.1361484	12.0			20	
Phenanthrene	1.162791	4.5			20	
Phenol	1.875764	3.7			20	
Pyrene	1.527013	3.4			20	
Pyridine	1.417304	6.1			20	
1,2,4,5-Tetrachlorobenzene	0.5455599	2.2			20	
1,2,4-Trichlorobenzene	0.3084462	1.6			20	
2,4,5-Trichlorophenol	0.3885769	2.6			20	
2,4,6-Trichlorophenol	0.3671855	1.8			20	
2-Fluorophenol	1.252885	5.2			20	
Phenol-d6	1.659852	6.1			20	
Nitrobenzene-d5	0.3973785	3.7			20	
2-Fluorobiphenyl	1.04321	3.2			20	
2,4,6-Tribromophenol	0.1519636	5.6			20	
p-Terphenyl-d14	0.6798392	3.6			20	

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D-E

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Instrument ID:	GCMSSV4	Calibration:	1900294
Lab File ID:	D1928202.D	Calibration Date:	09/04/19 15:05
Sequence:	S041266	Injection Date:	10/09/19
Lab Sample ID:	S041266-CCV1	Injection Time:	09:01

COMPOUND	TYPE	CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.0	47.0	1.212481	1.139348		-6.0	20
Acenaphthylene	A	50.0	48.8	2.014451	1.968138		-2.3	20
Acetophenone	A	50.0	50.9	1.959467	1.993303		1.7	20
Aniline	A	50.0	43.8	0.7470085	0.6542332		-12.4	20
Anthracene	A	50.0	48.0	1.120124	1.074912		-4.0	20
Benzidine	A	50.0	34.2	0.3253801	0.222711		-31.6	20 *
Benzo(a)anthracene	A	50.0	50.7	1.344144	1.362566		1.4	20
Benzo(a)pyrene	A	50.0	50.5	1.105889	1.116104		0.9	20
Benzo(b)fluoranthene	A	50.0	52.0	1.2437	1.293331		4.0	20
Benzo(g,h,i)perylene	A	50.0	52.0	0.9387913	0.9758869		4.0	20
Benzo(k)fluoranthene	A	50.0	50.4	1.173317	1.18197		0.7	20
Benzoic Acid	L	50.0	56.7	0.1693107	0.2257338		13.5	20
Bis(2-chloroethoxy)methane	A	50.0	48.1	0.4323059	0.415938		-3.8	20
Bis(2-chloroethyl)ether	A	50.0	43.5	1.186348	1.031964		-13.0	20
Bis(2-chloroisopropyl)ether	A	50.0	42.0	2.113533	1.776926		-15.9	20
Bis(2-Ethylhexyl)phthalate	A	50.0	49.0	0.9584481	0.9396485		-2.0	20
4-Bromophenylphenylether	A	50.0	51.0	0.2193844	0.2238202		2.0	20
Butylbenzylphthalate	A	50.0	50.3	0.6793525	0.6837342		0.6	20
Carbazole	A	50.0	48.4	1.061342	1.028168		-3.1	20
4-Chloroaniline	A	50.0	49.9	0.4084468	0.4076094		-0.2	20
4-Chloro-3-methylphenol	A	50.0	53.9	0.3135482	0.3379621		7.8	20
2-Chloronaphthalene	A	50.0	49.3	1.494928	1.473392		-1.4	20
2-Chlorophenol	A	50.0	48.2	1.423616	1.371374		-3.7	20
4-Chlorophenylphenylether	A	50.0	54.7	0.6788658	0.7424173		9.4	20
Chrysene	A	50.0	50.4	1.289308	1.300927		0.9	20
Dibenz(a,h)anthracene	A	50.0	52.8	0.9643548	1.018893		5.7	20
Dibenzofuran	A	50.0	50.8	1.768505	1.796696		1.6	20
Di-n-butylphthalate	A	50.0	50.0	1.328639	1.32726		-0.1	20
1,2-Dichlorobenzene	A	50.0	48.5	1.500853	1.455815		-3.0	20
1,3-Dichlorobenzene	A	50.0	48.3	1.578386	1.525725		-3.3	20

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D-E

Laboratory: Con-Test Analytical Laboratory
 Client: Weston & Sampson - Albany, NY
 Instrument ID: GCMSSV4
 Lab File ID: D1928202.D
 Sequence: S041266
 Lab Sample ID: S041266-CCV1

Work Order: 19J0330
 Project: Thompson Mill
 Calibration: 1900294
 Calibration Date: 09/04/19 15:05
 Injection Date: 10/09/19
 Injection Time: 09:01

COMPOUND	TYPE	CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dichlorobenzene	A	50.0	49.3	1.584794	1.563276		-1.4	20
3,3-Dichlorobenzidine	A	50.0	52.5	0.5007821	0.5254061		4.9	20
2,4-Dichlorophenol	A	50.0	53.7	0.2971189	0.3188565		7.3	20
Diethylphthalate	A	50.0	52.6	1.425759	1.49887		5.1	20
2,4-Dimethylphenol	A	50.0	50.0	0.3233533	0.3234159		0.02	20
Dimethylphthalate	A	50.0	51.8	1.419774	1.470246		3.6	20
4,6-Dinitro-2-methylphenol	L	50.0	49.7	0.1184014	0.1270191		-0.5	20
2,4-Dinitrophenol	L	50.0	53.6	0.1113555	0.1616177		7.2	20
2,4-Dinitrotoluene	A	50.0	55.4	0.3908994	0.4331753		10.8	20
2,6-Dinitrotoluene	A	50.0	53.4	0.2907871	0.3104736		6.8	20
Di-n-octylphthalate	A	50.0	49.7	1.538375	1.528237		-0.7	20
1,2-Diphenylhydrazine/Azobenzene	A	50.0	42.5	0.7818208	0.6651279		-14.9	20
Fluoranthene	A	50.0	50.7	1.229705	1.246438		1.4	20
Fluorene	A	50.0	52.2	1.35545	1.414516		4.4	20
Hexachlorobenzene	A	50.0	51.6	0.2549156	0.2628044		3.1	20
Hexachlorobutadiene	A	50.0	57.8	0.2079957	0.240223		15.5	20
Hexachlorocyclopentadiene	L	50.0	40.8	0.3770963	0.3226863		-18.3	20
Hexachloroethane	A	50.0	49.7	0.6238241	0.6204511		-0.5	20
Indeno(1,2,3-cd)pyrene	A	50.0	51.9	0.8883946	0.9222118		3.8	20
Isophorone	A	50.0	49.6	0.6720927	0.6671673		-0.7	20
1-Methylnaphthalene	A	50.0	53.4	0.722737	0.7714498		6.7	20
2-Methylnaphthalene	A	50.0	53.8	0.6422685	0.6907223		7.5	20
2-Methylphenol	A	50.0	46.6	1.323755	1.234129		-6.8	20
3/4-Methylphenol	A	100	100	1.470021	1.476513		0.4	20
Naphthalene	A	50.0	50.0	1.058045	1.05764		-0.04	20
2-Nitroaniline	A	50.0	48.1	0.4186875	0.4029492		-3.8	20
3-Nitroaniline	A	50.0	49.9	0.331973	0.3314509		-0.2	20
4-Nitroaniline	A	50.0	51.2	0.3321593	0.3402188		2.4	20
Nitrobenzene	A	50.0	49.0	0.4055119	0.3969727		-2.1	20
2-Nitrophenol	A	50.0	53.0	0.1905416	0.2021011		6.1	20

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D-E

Laboratory: Con-Test Analytical Laboratory
 Client: Weston & Sampson - Albany, NY
 Instrument ID: GCMSSV4
 Lab File ID: D1928202.D
 Sequence: S041266
 Lab Sample ID: S041266-CCV1

Work Order: 19J0330
 Project: Thompson Mill
 Calibration: 1900294
 Calibration Date: 09/04/19 15:05
 Injection Date: 10/09/19
 Injection Time: 09:01

COMPOUND	TYPE	CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.0	63.4	0.1873585	0.2377404		26.9	20 *
N-Nitrosodimethylamine	A	50.0	45.0	0.8069758	0.7262873		-10.0	20
N-Nitrosodiphenylamine/Diphenylamine	A	42.8	40.8	0.6001046	0.573409		-4.4	20
N-Nitrosodi-n-propylamine	A	50.0	49.8	0.9617206	0.9569119		-0.5	20
Pentachloronitrobenzene	A	50.0	55.3	4.334696E-02	4.793406E-02		10.6	20
Pentachlorophenol	L	50.0	49.2	0.0916899	0.1127191		-1.7	20
Phenanthrene	A	50.0	47.9	1.097769	1.051444		-4.2	20
Phenol	A	50.0	46.5	1.755178	1.632748		-7.0	20
Pyrene	A	50.0	51.7	1.453826	1.502275		3.3	20
Pyridine	A	50.0	37.4	1.56847	1.174552		-25.1	20 *
1,2,4,5-Tetrachlorobenzene	A	50.0	52.5	0.687966	0.7217585		4.9	20
1,2,4-Trichlorobenzene	A	50.0	54.6	0.3517043	0.3844145		9.3	20
2,4,5-Trichlorophenol	A	50.0	53.3	0.4578859	0.4877228		6.5	20
2,4,6-Trichlorophenol	A	50.0	52.6	0.4357215	0.4585755		5.2	20
2-Fluorophenol	A	100	92.6	1.234507	1.143196		-7.4	
Phenol-d6	A	100	94.6	1.602249	1.515999		-5.4	
Nitrobenzene-d5	A	50.0	49.4	0.3920845	0.3869955		-1.3	
2-Fluorobiphenyl	A	50.0	50.1	1.167071	1.168778		0.1	
2,4,6-Tribromophenol	A	100	121	0.1908833	0.230227		20.6	
p-Terphenyl-d14	A	50.0	54.8	0.6810405	0.7457417		9.5	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D-E

Laboratory: Con-Test Analytical Laboratory
 Client: Weston & Sampson - Albany, NY
 Instrument ID: GCMSSV2
 Lab File ID: B1928202.D
 Sequence: S041283
 Lab Sample ID: S041283-CCV1

Work Order: 19J0330
 Project: Thompson Mill
 Calibration: 1900305
 Calibration Date: 09/25/19 10:51
 Injection Date: 10/09/19
 Injection Time: 08:44

COMPOUND	TYPE	CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.0	53.4	1.230503	1.313602		6.8	20
Acenaphthylene	A	50.0	52.0	1.858297	1.932204		4.0	20
Acetophenone	A	50.0	52.9	1.933661	2.044985		5.8	20
Aniline	A	50.0	47.9	0.6780378	0.64982		-4.2	20
Anthracene	A	50.0	49.1	1.194634	1.173938		-1.7	20
Benzidine	A	50.0	32.6	0.4032185	0.2624629		-34.9	20
Benzo(a)anthracene	A	50.0	51.8	1.309423	1.356637		3.6	20
Benzo(a)pyrene	A	50.0	51.4	1.098824	1.130752		2.9	20
Benzo(b)fluoranthene	A	50.0	50.9	1.188701	1.209617		1.8	20
Benzo(g,h,i)perylene	A	50.0	53.0	1.124985	1.19336		6.1	20
Benzo(k)fluoranthene	A	50.0	51.3	1.150691	1.179782		2.5	20
Benzoic Acid	L	50.0	46.5	0.1933278	0.1930683		-7.1	20
Bis(2-chloroethoxy)methane	A	50.0	52.8	0.4104122	0.4334953		5.6	20
Bis(2-chloroethyl)ether	A	50.0	52.9	0.9717228	1.027742		5.8	20
Bis(2-chloroisopropyl)ether	A	50.0	52.2	1.65583	1.730216		4.5	20
Bis(2-Ethylhexyl)phthalate	A	50.0	52.5	0.9579336	1.005333		4.9	20
4-Bromophenylphenylether	A	50.0	51.4	0.2010137	0.2067379		2.8	20
Butylbenzylphthalate	A	50.0	51.9	0.7017929	0.7284425		3.8	20
Carbazole	A	50.0	49.3	1.127428	1.111107		-1.4	20
4-Chloroaniline	A	50.0	53.9	0.4207119	0.4535033		7.8	20
4-Chloro-3-methylphenol	A	50.0	55.6	0.3038791	0.3378567		11.2	20
2-Chloronaphthalene	A	50.0	49.6	1.422846	1.412039		-0.8	20
2-Chlorophenol	A	50.0	52.2	1.497373	1.563589		4.4	20
4-Chlorophenylphenylether	A	50.0	54.0	0.5552247	0.5994385		8.0	20
Chrysene	A	50.0	51.2	1.304338	1.336047		2.4	20
Dibenz(a,h)anthracene	A	50.0	53.6	1.040348	1.115784		7.3	20
Dibenzofuran	A	50.0	51.9	1.613734	1.673813		3.7	20
Di-n-butylphthalate	A	50.0	50.5	1.295085	1.308497		1.0	20
1,2-Dichlorobenzene	A	50.0	51.8	1.506904	1.562621		3.7	20
1,3-Dichlorobenzene	A	50.0	51.6	1.555247	1.604956		3.2	20

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D-E

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Instrument ID:	GCMSSV2	Calibration:	1900305
Lab File ID:	B1928202.D	Calibration Date:	09/25/19 10:51
Sequence:	S041283	Injection Date:	10/09/19
Lab Sample ID:	S041283-CCV1	Injection Time:	08:44

COMPOUND	TYPE	CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dichlorobenzene	A	50.0	52.2	1.585874	1.655508		4.4	20
3,3-Dichlorobenzidine	A	50.0	54.5	0.4619248	0.5033403		9.0	20
2,4-Dichlorophenol	A	50.0	54.3	0.2918112	0.3169086		8.6	20
Diethylphthalate	A	50.0	53.1	1.19775	1.272387		6.2	20
2,4-Dimethylphenol	A	50.0	52.5	0.3436417	0.361023		5.1	20
Dimethylphthalate	A	50.0	52.1	1.27778	1.331144		4.2	20
4,6-Dinitro-2-methylphenol	L	50.0	56.8	0.1098267	0.1393365		13.6	20
2,4-Dinitrophenol	L	50.0	66.7	0.1025362	0.1703723		33.4	20 *
2,4-Dinitrotoluene	A	50.0	62.7	0.3328184	0.4171772		25.3	20 *
2,6-Dinitrotoluene	A	50.0	59.2	0.2657782	0.3149364		18.5	20
Di-n-octylphthalate	A	50.0	51.6	1.475481	1.522789		3.2	20
1,2-Diphenylhydrazine/Azobenzene	A	50.0	49.1	0.8651666	0.8494691		-1.8	20
Fluoranthene	A	50.0	48.6	1.207721	1.173376		-2.8	20
Fluorene	A	50.0	52.9	1.294242	1.368864		5.8	20
Hexachlorobenzene	A	50.0	50.6	0.2271254	0.2300949		1.3	20
Hexachlorobutadiene	A	50.0	52.6	0.1546937	0.1627568		5.2	20
Hexachlorocyclopentadiene	A	50.0	52.5	0.3512059	0.3686178		5.0	20
Hexachloroethane	A	50.0	51.4	0.6654231	0.684231		2.8	20
Indeno(1,2,3-cd)pyrene	A	50.0	53.8	0.9763091	1.0509		7.6	20
Isophorone	A	50.0	53.3	0.6704725	0.7148052		6.6	20
1-Methylnaphthalene	A	50.0	54.5	0.7198042	0.7843901		9.0	20
2-Methylnaphthalene	A	50.0	54.2	0.6401256	0.6938539		8.4	20
2-Methylphenol	A	50.0	50.9	1.404462	1.428684		1.7	20
3/4-Methylphenol	A	100	106	1.561683	1.651737		5.8	20
Naphthalene	A	50.0	51.8	1.057673	1.094749		3.5	20
2-Nitroaniline	A	50.0	57.2	0.3505215	0.4010646		14.4	20
3-Nitroaniline	A	50.0	57.5	0.3371755	0.3876414		15.0	20
4-Nitroaniline	A	50.0	56.3	0.349754	0.3937959		12.6	20
Nitrobenzene	A	50.0	53.2	0.3812504	0.4053797		6.3	20
2-Nitrophenol	A	50.0	58.4	0.1811941	0.211811		16.9	20

CONTINUING CALIBRATION VERIFICATION

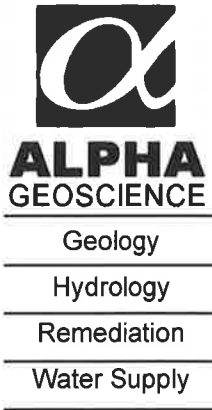
SW-846 8270D-E

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Instrument ID:	GCMSSV2	Calibration:	1900305
Lab File ID:	B1928202.D	Calibration Date:	09/25/19 10:51
Sequence:	S041283	Injection Date:	10/09/19
Lab Sample ID:	S041283-CCV1	Injection Time:	08:44

COMPOUND	TYPE	CONC. (µg/mL)		RESPONSE FACTOR		% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV
4-Nitrophenol	A	50.0	57.0	0.1671223	0.1905042	14.0	20
N-Nitrosodimethylamine	A	50.0	55.1	0.5636005	0.6207854	10.1	20
N-Nitrosodiphenylamine/Diphenylamine	A	42.8	41.7	0.6531827	0.6381666	-2.3	20
N-Nitrosodi-n-propylamine	A	50.0	53.8	1.013331	1.089658	7.5	20
Pentachloronitrobenzene	A	50.0	55.0	3.797963E-02	4.178964E-02	10.0	20
Pentachlorophenol	A	50.0	48.0	0.1361484	0.1307524	-4.0	20
Phenanthrene	A	50.0	48.6	1.162791	1.129893	-2.8	20
Phenol	A	50.0	52.3	1.875764	1.961958	4.6	20
Pyrene	A	50.0	52.0	1.527013	1.588671	4.0	20
Pyridine	A	50.0	51.4	1.417304	1.457158	2.8	20
1,2,4,5-Tetrachlorobenzene	A	50.0	51.6	0.5455599	0.5635731	3.3	20
1,2,4-Trichlorobenzene	A	50.0	52.1	0.3084462	0.3213672	4.2	20
2,4,5-Trichlorophenol	A	50.0	51.5	0.3885769	0.4003121	3.0	20
2,4,6-Trichlorophenol	A	50.0	53.2	0.3671855	0.3904474	6.3	20
2-Fluorophenol	A	100	108	1.252885	1.357677	8.4	
Phenol-d6	A	100	107	1.659852	1.774361	6.9	
Nitrobenzene-d5	A	50.0	53.6	0.3973785	0.4256171	7.1	
2-Fluorobiphenyl	A	50.0	52.6	1.04321	1.097984	5.3	
2,4,6-Tribromophenol	A	100	116	0.1519636	0.1764334	16.1	
p-Terphenyl-d14	A	50.0	53.3	0.6798392	0.7252527	6.7	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits



**QA/QC Review of 8082A PCB Data for
Con-Test Analytical Laboratory, Work Order No: 19J0330**

**20 Soil Samples and 1 Field Duplicate
Collected October 2-3, 2019**

Prepared by: Donald Anné
December 11, 2019

Holding Times: The samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analysis of the method blank reported target aroclors as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits on both columns for the soil samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for aroclor 1016 and aroclor 1260 were below the allowable maximum and the percent recoveries were within QC limits on both columns for soil MS/MSD sample DUP 1.

Laboratory Control Sample: The relative percent differences for aroclor 1016 and aroclor 1260 were below the allowable maximums and percent recoveries were within QC limits on both columns for soil samples B242912-BS1, B242912-BSD1, B243005-BS1, and B243005-BSD1.

Field Duplicates: The analyses of soil field duplicate pair TP-6 (0-2')/DUP 1 reported target aroclors as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Initial Calibration: The %RSDs for target aroclors were below the allowable maximum (20%) on both columns, as required.

Continuing Calibration: The %Ds for target aroclors were below the allowable maximum (15%) for on both columns, as required.

Surrogate Retention Time Summary: The retention times for surrogates were within the acceptance limits on both columns.

PCB Identification Summary: Checked surrogate and aroclor results were within quantitation limits. The RPD for dual column quantitation of aroclor-1254 in sample TP-6 (0-2") was below the allowable maximum (25%), as required.



**QA/QC Review of 8081B Pesticide Data for
Con-Test Analytical Laboratory, Work Order No: 19J0330**

**4 Soil Samples
Collected October 2-3, 2019**

Prepared by: Donald Anné
December 11, 2019

Geology
Hydrology
Remediation
Water Supply

Holding Times: The samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analysis of the method blank reported target pesticides as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits on both columns for the soil samples.

Laboratory Control Sample: The relative percent differences for target pesticides were below the allowable maximums and percent recoveries were within QC limits on both columns for soil samples B242909-BS1 and B242909-BSD1.

Initial Calibration: The %RSDs for target pesticides were below the allowable maximum (20%) on both columns, as required.

Continuing Calibration: The %D for alpha-BHC was above the allowable maximum (15%) on the secondary column on 10-15-19 (S041445-CCV8). Positive results for alpha-BHC should be considered estimated (J) in associated samples.

DDT/Endrin Breakdown Check: The percent breakdowns were below the allowable maximum (20%) for 4,4'-DDT and endrin, as required.

Surrogate Retention Time Summary: The retention times for surrogates were within the acceptance limits on both columns.

Pesticide Identification Summary for Single Component Analytes: Checked surrogates were within QC quantitation limits. The analyses of soil samples reported target single component pesticides as not detected.

Pesticide Identification Summary for Multi-Component Analytes: The analyses of soil samples reported target multi-component pesticides as not detected.

CONTINUING CALIBRATION VERIFICATION

SW-846 8081B

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Instrument ID:	ECD6	Calibration:	1900318
Lab File ID:	F1014032.D	Calibration Date:	10/10/19 00:00
Sequence:	S041445	Injection Date:	10/15/19
Lab Sample ID:	S041445-CCV8	Injection Time:	01:17

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR		% DIFF / DRIFT		LIMIT (#)
		STD	CCV	ICAL	CCV	MIN (#)	CCV	
alpha-Chlordane	A	100	108	5.00675E+07	5.3993E+07	7.8	15	
alpha-Chlordane [2C]	A	100	108	9.141833E+07	9.8582E+07	7.8	15	
gamma-Chlordane	A	100	109	5.183817E+07	5.6386E+07	8.8	15	
gamma-Chlordane [2C]	A	100	108	9.769217E+07	1.05408E+08	7.9	15	
Alachlor	A	100	97.9	6322577	6190000	-2.1	15	
Alachlor [2C]	A	100	92.4	1.14326E+07	1.0559E+07	-7.6	15	
Aldrin	A	100	110	5.438739E+07	5.9692E+07	9.8	15	
Aldrin [2C]	A	100	110	9.856961E+07	1.08506E+08	10.1	15	
alpha-BHC	A	100	107	6.886308E+07	7.3915E+07	7.3	15	
alpha-BHC [2C]	A	100	119	1.28129E+08	1.52955E+08	19.4	15	*
beta-BHC	A	100	107	2.467433E+07	2.6479E+07	7.3	15	
beta-BHC [2C]	A	100	104	4.774617E+07	4.9861E+07	4.4	15	
delta-BHC	A	100	105	6.317075E+07	6.6433E+07	5.2	15	
delta-BHC [2C]	A	100	111	1.148224E+08	1.27111E+08	10.7	15	
gamma-BHC (Lindane)	A	100	108	6.060285E+07	6.5719E+07	8.4	15	
gamma-BHC (Lindane) [2C]	A	100	115	1.124357E+08	1.29016E+08	14.7	15	
4,4'-DDD	A	100	110	4.137E+07	4.5322E+07	9.6	15	
4,4'-DDD [2C]	A	100	107	7.617307E+07	8.1474E+07	7.0	15	
4,4'-DDE	A	100	114	4.922994E+07	5.5966E+07	13.7	15	
4,4'-DDE [2C]	A	100	111	9.305424E+07	1.03044E+08	10.7	15	
4,4'-DDT	A	100	113	3.964259E+07	4.4709E+07	12.8	15	
4,4'-DDT [2C]	A	100	106	7.561836E+07	8.0241E+07	6.1	15	
Dieldrin	A	100	107	5.076406E+07	5.4483E+07	7.3	15	
Dieldrin [2C]	A	100	103	9.229449E+07	9.5227E+07	3.2	15	
Endosulfan I	A	100	110	4.615508E+07	5.0775E+07	10.0	15	
Endosulfan I [2C]	A	100	113	7.680858E+07	8.6578E+07	12.7	15	
Endosulfan II	A	100	104	4.328392E+07	4.4957E+07	3.9	15	
Endosulfan II [2C]	A	100	99.7	7.667942E+07	7.6416E+07	-0.3	15	
Endosulfan Sulfate	A	100	101	4.134108E+07	4.1751E+07	1.0	15	
Endosulfan Sulfate [2C]	A	100	97.6	7.326058E+07	7.1533E+07	-2.4	15	

CONTINUING CALIBRATION VERIFICATION

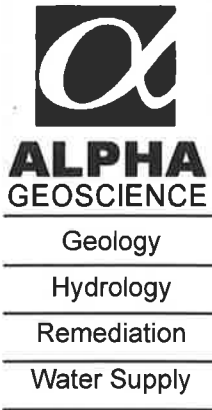
SW-846 8081B

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Instrument ID:	ECD6	Calibration:	1900318
Lab File ID:	F1014032.D	Calibration Date:	10/10/19 00:00
Sequence:	S041445	Injection Date:	10/15/19
Lab Sample ID:	S041445-CCV8	Injection Time:	01:17

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Endrin	A	100	104	4.878033E+07	5.0891E+07		4.3	15
Endrin [2C]	A	100	103	8.221E+07	8.445E+07		2.7	15
Endrin Aldehyde	A	100	101	3.4695E+07	3.5098E+07		1.2	15
Endrin Aldehyde [2C]	A	100	96.0	6.209608E+07	5.9614E+07		-4.0	15
Endrin Ketone	A	100	104	4.431592E+07	4.603E+07		3.9	15
Endrin Ketone [2C]	A	100	100	7.465367E+07	7.4752E+07		0.1	15
Heptachlor	A	100	103	5.875169E+07	6.0685E+07		3.3	15
Heptachlor [2C]	A	100	109	9.671783E+07	1.05376E+08		9.0	15
Heptachlor Epoxide	A	100	104	4.904741E+07	5.1212E+07		4.4	15
Heptachlor Epoxide [2C]	A	100	99.0	8.881605E+07	8.7919E+07		-1.0	15
Hexachlorobenzene	A	100	109	4.781652E+07	5.2012E+07		8.8	15
Hexachlorobenzene [2C]	A	100	111	9.856371E+07	1.09565E+08		11.2	15
Methoxychlor	A	100	112	1.869651E+07	2.0849E+07		11.5	15
Methoxychlor [2C]	A	100	108	3.124817E+07	3.3695E+07		7.8	15
Decachlorobiphenyl	A	100	106	3.613492E+07	3.8293E+07		6.0	
Decachlorobiphenyl [2C]	A	100	101	7.182317E+07	7.2579E+07		1.1	
Tetrachloro-m-xylene	A	100	113	3.984975E+07	4.5043E+07		13.0	
Tetrachloro-m-xylene [2C]	A	100	110	8.833608E+07	9.7391E+07		10.3	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits



**QA/QC Review of 8151 Herbicide Data for
Con-Test Analytical Laboratory, Work Order No: 19J0330**

**4 Soil Samples
Collected October 2-3, 2019**

Prepared by: Donald Anné
December 11, 2019

Holding Times: The samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analysis of the method blank reported target herbicides as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits on both columns for the soil samples.

Laboratory Control Sample: The relative percent differences for target herbicides were below the allowable maximums and percent recoveries were within QC limits on both columns for soil samples B242514-BS1 and B242514-BSD1.

Initial Calibration: The %RSDs for target herbicides were below the allowable maximum (20%) on both columns, as required.

Continuing Calibration: The %D for dinoseb was above the allowable maximum (15%) on the secondary column on 10-09-19 (S041323-CCV2). Positive results for dinoseb should be considered estimated (J) in associated samples.

Surrogate Retention Time Summary: The retention times for surrogates were within the acceptance limits on both columns.

Herbicide Identification Summary: Checked surrogates were within QC quantitation limits. The analyses of soil samples reported target herbicides as not detected.

CONTINUING CALIBRATION VERIFICATION

SW-846 8151A

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Instrument ID:	ECD 8	Calibration:	1900300
Lab File ID:	H1009011.d	Calibration Date:	09/21/19 00:00
Sequence:	S041323	Injection Date:	10/09/19
Lab Sample ID:	S041323-CCV2	Injection Time:	15:01

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-D	A	564	592	4361791	4576418		4.9	15
2,4-D [2C]	A	564	585	4534558	4704965		3.8	15
2,4-DB	A	568	610	2404681	2582042		7.4	15
2,4-DB [2C]	A	568	582	2405599	2465317		2.5	15
2,4,5-TP (Silvex)	A	57.1	61.6	2.179588E+07	2.349912E+07		7.8	15
2,4,5-TP (Silvex) [2C]	A	57.1	58.3	2.15681E+07	2.203678E+07		2.2	15
2,4,5-T	A	56.9	63.4	2.073312E+07	2.310721E+07		11.5	15
2,4,5-T [2C]	A	56.9	57.6	2.105927E+07	2.132513E+07		1.3	15
Dalapon	A	1370	1520	5102730	5652628		10.8	15
Dalapon [2C]	A	1370	1480	4612375	5003504		8.5	15
Dicamba	A	56.4	60.7	1.43198E+07	1.539716E+07		7.5	15
Dicamba [2C]	A	56.4	58.7	1.397131E+07	1.452837E+07		4.0	15
Dichloroprop	A	566	605	3400179	3636926		7.0	15
Dichloroprop [2C]	A	566	587	3280794	3404594		3.8	15
Dinoseb	A	283	325	1.409457E+07	1.615159E+07		14.6	15
Dinoseb [2C]	A	283	328	1.239411E+07	1.434134E+07		15.7	15 *
MCPA	A	56100	58900	18891.86	19839.57		5.0	15
MCPA [2C]	A	56100	57400	18238.65	18675.58		2.4	15
MCPP	A	56300	60000	12695.95	13547.07		6.7	15
MCPP [2C]	A	56300	58900	12125.16	12690.94		4.7	15
2,4-Dichlorophenylacetic acid	A	562	580	3691857	3806584		3.1	
2,4-Dichlorophenylacetic acid [2C]	A	562	579	3547786	3654270		3.0	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits



Geology

Hydrology

Remediation

Water Supply

**QA/QC Review of Metals Data for
Con-Test Analytical Laboratory
Work Order No: 19J0330**

**20 Soil Samples and 2 Field Duplicates
Collected October 2-3, 2019**

Prepared by: Donald Anné
December 11, 2019

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals were within control limits (90-110% for all metals except Hg, 80-120% for Hg).

Low Level Calibration Verification: The percent drift for metals were below the laboratory allowable maximum (30%) for samples S042787-LCV1 and S042787-LCV2, as required.

CRDL Standard: The percent recoveries for lead were within laboratory QC limits (80-120%) for samples B242954-MRL1 and B243002-MRL1.

Blanks: The analyses of initial and continuing calibration and method blanks reported target metals as not detected.

ICP Interference Check Sample: The percent recoveries for applicable metals were within control limits (80-120%).

Spike Sample Recovery: The percent recovery (%R) for selenium was below control limits, but not below 10% for soil spike sample TP-3 (10'). The %Rs for lead and selenium were below control limits, but not below 10% for soil spike sample TP-6 (10'). Positive results for lead and selenium should be considered estimated, biased low (J-) and "not detected" results estimated (UJ) in associated soil samples.

Laboratory Duplicates: The relative percent differences for applicable metals were below the allowable maximum (35%) for soil duplicate samples TP-3 (10'), TP-6 (10'), and TP-8 (0-2'), as required.

Field Duplicate: The relative percent differences (RPDs) for applicable metals were below the allowable maximum (35%) for soil field duplicate pair TP-5 (0-2')/DUP 2 (attached table), as required.

The RPD for barium was above the allowable maximum (35%) for soil field duplicate pair TP-9(10')/DUP 1 (attached table). Positive results for barium should be considered estimated (J) in samples TP-9 (10') and DUP 1.

Laboratory Control Sample: The relative percent differences for target metals were below the allowable maximums and the percent recoveries were within control limits for soil samples B242954-BS1, B243002-BS1, B242991-BS1, and B242992-BS1.

Percent Solids: The percent solids for the soil samples were above 50%.

Metals (Total)

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. 19J0330

S1= TP-9 (10')

S2= DUP 1

<u>Analyte</u>	<u>S1</u>	<u>S2</u>	<u>RPD (%)</u>	
arsenic	2.1	5.0	NC	
barium	79	390	133%	*
cadmium	ND	0.19	NC	
chromium	12	13	8%	
lead	11	11	0%	
mercury	0.049	0.014	NC	
selenium	ND	ND	NC	
silver	ND	ND	NC	

* RPD is above the allowable maximum 35%.

Results are in units of mg/kg.

Bold numbers were values that below the CRDL.

ND - Not detected.

NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

Metals (Total)

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. 19J0330

S1= TP-5 (0-2')

S2= DUP 2

<u>Analyte</u>	<u>S1</u>	<u>S2</u>	<u>RPD (%)</u>
arsenic	4.6	3.9	16%
barium	64	65	2%
cadmium	0.52	0.46	12%
chromium	23	22	4%
lead	51	53	4%
mercury	0.45	0.51	13%
selenium	ND	ND	NC
silver	ND	ND	NC

* RPD is above the allowable maximum 35%.

Results are in units of mg/kg.

Bold numbers were values that below the CRDL.

ND - Not detected.

NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY 1839

TP-3 (10')

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Analysis:	SW-846 6010D
Batch:	B242954	Preparation:	SW-846 3050B
% Solids:	82.03	Laboratory ID:	B242954-MS1
Column:		Sample Lab ID:	19J0330-02

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.	QC LIMITS REC.
Arsenic	40.4	1.81	34.1	80.1	75 - 125
Barium	40.4	53.5	85.5	79.3	75 - 125
Cadmium	40.4	0.0842	34.0	83.9	75 - 125
Chromium	40.4	13.8	47.6	83.6	75 - 125
Lead	40.4	8.72	40.9	79.6	75 - 125
Selenium	40.4	ND	26.5 MS-07	65.7	N 75 - 125
Silver	40.4	ND	36.4	90.2	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY 1840

TP-6 (10')

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Analysis:	SW-846 6010D
Batch:	B243002	Preparation:	SW-846 3050B
% Solids:	85.48	Laboratory ID:	B243002-MS1
Column:		Sample Lab ID:	19J0330-20

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.	QC LIMITS REC.
Arsenic	19.1	2.30	19.2	88.1	75 - 125
Barium	19.1	56.0	72.0	83.3	75 - 125
Cadmium	19.1	0.133	17.9	93.0	75 - 125
Chromium	19.1	10.5	28.4	93.6	75 - 125
Lead	19.1	17.0	30.6 MS-07	71.3	N 75 - 125
Selenium	19.1	ND	12.3 MS-07	64.5	N 75 - 125
Silver	19.1	ND	19.5	102	75 - 125

PREPARATION BATCH SUMMARY

1847

SW-846 6010D

Laboratory: Con-Test Analytical Laboratory Work Order: 19J0330
Client: Weston & Sampson - Albany, NY Project: Thompson Mill
Batch: B243002 Batch Matrix: Soil Preparation: SW-846 3050B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
TP-8 (10')	19J0330-19	10/11/19 17:07	1.53	50.00
TP-6 (10')	19J0330-20	10/11/19 17:07	1.53	50.00
TP-12 (10')	19J0330-21	10/11/19 17:07	1.46	50.00
TP-7 (0-2')	19J0330-22	10/11/19 17:07	1.50	50.00
Blank	B243002-BLK1	10/11/19 17:07	1.50	50.00
LCS	B243002-BS1	10/11/19 17:07	0.50	50.00
LCS Dup	B243002-BSD1	10/11/19 17:07	0.52	50.00
TP-6 (10')	B243002-DUP1	10/11/19 17:07	1.54	50.00
MRL Check	B243002-MRL1	10/11/19 17:07	1.55	50.00
TP-6 (10')	B243002-MS1	10/11/19 17:07	1.53	50.00

PREPARATION BATCH SUMMARY

1846

SW-846 6010D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0330
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Batch:	B242954 Batch Matrix: Soil	Preparation:	SW-846 3050B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
DUP 1	19J0330-01	10/11/19 14:41	1.52	50.00
TP-3 (10')	19J0330-02	10/11/19 14:41	1.53	50.00
TP-3 (0-2')	19J0330-03	10/11/19 14:41	1.50	50.00
TP-4 (0-2')	19J0330-04	10/11/19 14:41	1.50	50.00
TP-4 (9-10')	19J0330-05	10/11/19 14:41	1.52	50.00
TP-9 (0-2')	19J0330-06	10/11/19 14:41	1.52	50.00
TP-5 (0-2')	19J0330-07	10/11/19 14:41	1.51	50.00
TP-10 (0-2')	19J0330-08	10/11/19 14:41	1.53	50.00
TP-7 (8')	19J0330-09	10/11/19 14:41	1.51	50.00
TP-6 (0-2')	19J0330-10	10/11/19 14:41	1.51	50.00
TP-9 (10')	19J0330-11	10/11/19 14:41	1.50	50.00
TP-10 (5-6')	19J0330-12	10/11/19 14:41	1.54	50.00
TP-12 (0-2')	19J0330-13	10/11/19 14:41	1.53	50.00
TP-11 (10')	19J0330-14	10/11/19 14:41	1.54	50.00
TP-11 (0-2')	19J0330-15	10/11/19 14:41	1.50	50.00
DUP 2	19J0330-16	10/11/19 14:41	1.52	50.00
TP-5 (9-10')	19J0330-17	10/11/19 14:41	1.53	50.00
TP-8 (0-2')	19J0330-18	10/11/19 14:41	1.53	50.00
Blank	B242954-BLK1	10/11/19 11:38	1.50	50.00
LCS	B242954-BS1	10/11/19 11:38	0.51	50.00
LCS Dup	B242954-BSD1	10/11/19 11:38	0.50	50.00
TP-3 (10')	B242954-DUP1	10/11/19 11:38	1.56	50.00
MRL Check	B242954-MRL1	10/11/19 11:38	1.52	50.00
TP-3 (10')	B242954-MS1	10/11/19 11:38	1.51	50.00

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-10 (5-6')

Sampled: 10/2/2019 10:00

Sample ID: 19J0330-12

Sample Matrix: Soil

Inorganic Analyses - Asbestos

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Asbestos - Chrysotile	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Amosite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Crocidolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Actinolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Tremolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Anthophyllite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Fiberglass	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Mineral Wool	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Cellulose	<2		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Hair	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Synthetic	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Other Non-asbestos	<1		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Non-Fibrous Minerals	98%		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Binder/Filler	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Organic Material	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Gypsum	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (0-2')

Sampled: 10/2/2019 13:30

Sample ID: 19J0330-13

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Acrylonitrile	ND	0.0072	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Benzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Bromobenzene	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Bromochloromethane	ND	0.0048	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Bromodichloromethane	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Bromoform	ND	0.0048	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Bromomethane	ND	0.012	0.0013	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
2-Butanone (MEK)	ND	0.048	0.0066	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
tert-Butyl Alcohol (TBA)	ND	0.048	0.0054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
n-Butylbenzene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
sec-Butylbenzene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
tert-Butylbenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00024	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Carbon Disulfide	ND	0.0072	0.0065	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Carbon Tetrachloride	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Chlorobenzene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Chlorodibromomethane	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Chloroethane	ND	0.024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Chloroform	ND	0.0048	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Chloromethane	ND	0.012	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
2-Chlorotoluene	ND	0.0024	0.00036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
4-Chlorotoluene	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Dibromomethane	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
trans-1,4-Dichloro-2-butene	ND	0.0048	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,1-Dichloroethane	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,2-Dichloroethane	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,1-Dichloroethylene	ND	0.0048	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
cis-1,2-Dichloroethylene	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,2-Dichloropropane	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,3-Dichloropropane	ND	0.0012	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
2,2-Dichloropropane	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,1-Dichloropropene	ND	0.0048	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Diethyl Ether	ND	0.024	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (0-2')

Sampled: 10/2/2019 13:30

Sample ID: 19J0330-13

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00024	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,4-Dioxane	ND	0.12	0.0063	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Ethylbenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Hexachlorobutadiene	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
2-Hexanone (MBK)	ND	0.024	0.0024	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Methyl Acetate	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0048	0.00036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Methyl Cyclohexane	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Methylene Chloride	0.0029	0.024	0.0012	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0030	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Naphthalene	ND	0.0048	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
n-Propylbenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Styrene	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Tetrachloroethylene	ND	0.0024	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Tetrahydrofuran	ND	0.012	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Toluene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,2,3-Trichlorobenzene	ND	0.0024	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Trichloroethylene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,2,3-Trichloropropane	ND	0.0048	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00060	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
Vinyl Chloride	ND	0.012	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
m+p Xylene	ND	0.0048	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF
o-Xylene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 9:45	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	96.6	70-130	10/8/19 9:45
Toluene-d8	121	70-130	10/8/19 9:45
4-Bromofluorobenzene	104	70-130	10/8/19 9:45

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (0-2')

Sampled: 10/2/2019 13:30

Sample ID: 19J0330-13

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Acenaphthylene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Acetophenone	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Aniline	ND	0.37	0.087	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Anthracene	ND	0.19	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Benzidine	ND	0.72	0.20	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Benzo(a)anthracene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Benzo(a)pyrene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Benzo(b)fluoranthene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Benzo(g,h,i)perylene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Benzo(k)fluoranthene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Benzoic Acid	ND	1.1	0.64	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Bis(2-chloroethoxy)methane	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Bis(2-chloroethyl)ether	ND	0.37	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Bis(2-chloroisopropyl)ether	ND	0.37	0.25	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
4-Bromophenylphenylether	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Butylbenzylphthalate	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Carbazole	ND	0.19	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
4-Chloroaniline	ND	0.72	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
4-Chloro-3-methylphenol	ND	0.72	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2-Chloronaphthalene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2-Chlorophenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
4-Chlorophenylphenylether	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Chrysene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Dibenz(a,h)anthracene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Dibenzofuran	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Di-n-butylphthalate	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
1,2-Dichlorobenzene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
1,3-Dichlorobenzene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
1,4-Dichlorobenzene	ND	0.37	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
3,3-Dichlorobenzidine	ND	0.19	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2,4-Dichlorophenol	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Diethylphthalate	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2,4-Dimethylphenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Dimethylphthalate	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
4,6-Dinitro-2-methylphenol	ND	0.37	0.33	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2,4-Dinitrophenol	ND	0.72	0.50	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2,4-Dinitrotoluene	ND	0.37	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2,6-Dinitrotoluene	ND	0.37	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Di-n-octylphthalate	ND	0.37	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Fluoranthene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Fluorene	ND	0.19	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (0-2')

Sampled: 10/2/2019 13:30

Sample ID: 19J0330-13

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.37	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Hexachlorobutadiene	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Hexachlorocyclopentadiene	ND	0.37	0.31	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Hexachloroethane	ND	0.37	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Indeno(1,2,3-cd)pyrene	ND	0.19	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Isophorone	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
1-Methylnaphthalene	ND	0.19	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2-Methylnaphthalene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2-Methylphenol	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
3/4-Methylphenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Naphthalene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2-Nitroaniline	ND	0.37	0.22	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
3-Nitroaniline	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
4-Nitroaniline	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Nitrobenzene	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2-Nitrophenol	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
4-Nitrophenol	ND	0.72	0.26	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 15:54	KLB
N-Nitrosodimethylamine	ND	0.37	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
N-Nitrosodi-n-propylamine	ND	0.37	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Pentachloronitrobenzene	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Pentachlorophenol	ND	0.37	0.25	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Phenanthrene	ND	0.19	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Phenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Pyrene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Pyridine	ND	0.37	0.11	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 15:54	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
1,2,4-Trichlorobenzene	ND	0.37	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2,4,5-Trichlorophenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
2,4,6-Trichlorophenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 15:54	KLB
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
2-Fluorophenol		65.7	30-130						10/9/19 15:54	
Phenol-d6		67.9	30-130						10/9/19 15:54	
Nitrobenzene-d5		70.5	30-130						10/9/19 15:54	
2-Fluorobiphenyl		81.4	30-130						10/9/19 15:54	
2,4,6-Tribromophenol		107	30-130						10/9/19 15:54	
p-Terphenyl-d14		129	30-130						10/9/19 15:54	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (0-2')

Sampled: 10/2/2019 13:30

Sample ID: 19J0330-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	0.039	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:21	TG
Aroclor-1221 [1]	ND	0.087	0.065	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:21	TG
Aroclor-1232 [1]	ND	0.087	0.078	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:21	TG
Aroclor-1242 [1]	ND	0.087	0.065	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:21	TG
Aroclor-1248 [1]	ND	0.087	0.031	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:21	TG
Aroclor-1254 [1]	ND	0.087	0.035	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:21	TG
Aroclor-1260 [1]	ND	0.087	0.048	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:21	TG
Aroclor-1262 [1]	ND	0.087	0.044	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:21	TG
Aroclor-1268 [1]	ND	0.087	0.070	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:21	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Decachlorobiphenyl [1]	87.5	30-150	
Decachlorobiphenyl [2]	92.4	30-150	
Tetrachloro-m-xylene [1]	94.0	30-150	
Tetrachloro-m-xylene [2]	101	30-150	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (0-2')

Sampled: 10/2/2019 13:30

Sample ID: 19J0330-13

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	1.8	1.8	0.35	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:22	TBC/MJH
Barium	30	1.8	0.38	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:22	TBC/MJH
Cadmium	0.12	0.18	0.064	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 18:22	TBC/MJH
Chromium	7.4	0.36	0.26	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:22	TBC/MJH
Lead	7.4	0.53	0.22	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:22	TBC/MJH
Mercury	0.020	0.027	0.0082	mg/Kg dry	1	J	SW-846 7471B	10/11/19	10/12/19 12:22	AJL
Selenium	ND	3.6	1.7	mg/Kg dry	1	UJ	SW-846 6010D	10/11/19	10/14/19 18:22	TBC/MJH
Silver	ND	0.36	0.16	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:22	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (0-2')

Sampled: 10/2/2019 13:30

Sample ID: 19J0330-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.7		% Wt	1		SM 2540G	10/11/19	10/12/19 9:39	ADB + CBN

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (10')

Sampled: 10/2/2019 11:50

Sample ID: 19J0330-14

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Acrylonitrile	ND	0.0074	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00037	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Benzene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Bromobenzene	ND	0.0025	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Bromochloromethane	ND	0.0049	0.00098	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Bromodichloromethane	ND	0.0025	0.00061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Bromoform	ND	0.0049	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Bromomethane	ND	0.012	0.0013	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
2-Butanone (MEK)	ND	0.049	0.0067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
tert-Butyl Alcohol (TBA)	ND	0.049	0.0055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
n-Butylbenzene	ND	0.0025	0.00061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
sec-Butylbenzene	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
tert-Butylbenzene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00025	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Carbon Disulfide	ND	0.0074	0.0066	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Carbon Tetrachloride	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Chlorobenzene	ND	0.0025	0.00061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Chlorodibromomethane	ND	0.0025	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Chloroethane	ND	0.025	0.00098	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Chloroform	ND	0.0049	0.00061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Chloromethane	ND	0.012	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
2-Chlorotoluene	ND	0.0025	0.00037	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
4-Chlorotoluene	ND	0.0025	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0025	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Dibromomethane	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,2-Dichlorobenzene	ND	0.0025	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,3-Dichlorobenzene	ND	0.0025	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,4-Dichlorobenzene	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
trans-1,4-Dichloro-2-butene	ND	0.0049	0.00074	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.025	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,1-Dichloroethane	ND	0.0025	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,2-Dichloroethane	ND	0.0025	0.00061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,1-Dichloroethylene	ND	0.0049	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
cis-1,2-Dichloroethylene	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
trans-1,2-Dichloroethylene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,2-Dichloropropane	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,3-Dichloropropane	ND	0.0012	0.00061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
2,2-Dichloropropane	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,1-Dichloropropene	ND	0.0049	0.00098	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Diethyl Ether	ND	0.025	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (10')

Sampled: 10/2/2019 11:50

Sample ID: 19J0330-14

Sample Matrix: Soil

Sample Flags: PR-15

Volatiles Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00025	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,4-Dioxane	ND	0.12	0.0065	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Ethylbenzene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Hexachlorobutadiene	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
2-Hexanone (MBK)	ND	0.025	0.0025	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Isopropylbenzene (Cumene)	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0025	0.00061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Methyl Acetate	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0049	0.00037	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Methyl Cyclohexane	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Methylene Chloride	0.022	0.025	0.0012	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.025	0.0031	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Naphthalene	ND	0.0049	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
n-Propylbenzene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Styrene	ND	0.0025	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,1,1,2-Tetrachloroethane	ND	0.0025	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Tetrachloroethylene	ND	0.0025	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Tetrahydrofuran	ND	0.012	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Toluene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,2,3-Trichlorobenzene	ND	0.0025	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,2,4-Trichlorobenzene	ND	0.0025	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,3,5-Trichlorobenzene	ND	0.0025	0.00037	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,1,1-Trichloroethane	ND	0.0025	0.00061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,1,2-Trichloroethane	ND	0.0025	0.00049	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Trichloroethylene	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,2,3-Trichloropropane	ND	0.0049	0.00098	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.00098	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,2,4-Trimethylbenzene	ND	0.0025	0.00037	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
1,3,5-Trimethylbenzene	ND	0.0025	0.00061	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Vinyl Chloride	ND	0.012	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
m+p Xylene	ND	0.0049	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
o-Xylene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:13	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	99.3		70-130				10/8/19 10:13			
Toluene-d8	109		70-130				10/8/19 10:13			
4-Bromofluorobenzene	99.6		70-130				10/8/19 10:13			

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (10')

Sampled: 10/2/2019 11:50

Sample ID: 19J0330-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Acenaphthylene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Acetophenone	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Aniline	ND	0.37	0.087	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Anthracene	ND	0.19	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Benzidine	ND	0.72	0.20	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Benzo(a)anthracene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Benzo(a)pyrene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Benzo(b)fluoranthene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Benzo(g,h,i)perylene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Benzo(k)fluoranthene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Benzoic Acid	ND	1.1	0.64	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Bis(2-chloroethoxy)methane	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Bis(2-chloroethyl)ether	ND	0.37	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Bis(2-chloroisopropyl)ether	ND	0.37	0.25	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
4-Bromophenylphenylether	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Butylbenzylphthalate	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Carbazole	ND	0.19	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
4-Chloroaniline	ND	0.72	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
4-Chloro-3-methylphenol	ND	0.72	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2-Chloronaphthalene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2-Chlorophenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
4-Chlorophenylphenylether	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Chrysene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Dibenz(a,h)anthracene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Dibenzofuran	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Di-n-butylphthalate	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
1,2-Dichlorobenzene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
1,3-Dichlorobenzene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
1,4-Dichlorobenzene	ND	0.37	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
3,3-Dichlorobenzidine	ND	0.19	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2,4-Dichlorophenol	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Diethylphthalate	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2,4-Dimethylphenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Dimethylphthalate	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
4,6-Dinitro-2-methylphenol	ND	0.37	0.33	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2,4-Dinitrophenol	ND	0.72	0.50	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2,4-Dinitrotoluene	ND	0.37	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2,6-Dinitrotoluene	ND	0.37	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Di-n-octylphthalate	ND	0.37	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Fluoranthene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Fluorene	ND	0.19	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (10')

Sampled: 10/2/2019 11:50

Sample ID: 19J0330-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.37	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Hexachlorobutadiene	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Hexachlorocyclopentadiene	ND	0.37	0.31	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Hexachloroethane	ND	0.37	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Indeno(1,2,3-cd)pyrene	ND	0.19	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Isophorone	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
1-Methylnaphthalene	ND	0.19	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2-Methylnaphthalene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2-Methylphenol	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
3/4-Methylphenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Naphthalene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2-Nitroaniline	ND	0.37	0.22	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
3-Nitroaniline	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
4-Nitroaniline	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Nitrobenzene	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2-Nitrophenol	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
4-Nitrophenol	ND	0.72	0.26	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 16:17	KLB
N-Nitrosodimethylamine	ND	0.37	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
N-Nitrosodi-n-propylamine	ND	0.37	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Pentachloronitrobenzene	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Pentachlorophenol	ND	0.37	0.25	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Phenanthrene	ND	0.19	0.098	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Phenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Pyrene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
Pyridine	ND	0.37	0.11	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 16:17	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
1,2,4-Trichlorobenzene	ND	0.37	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2,4,5-Trichlorophenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB
2,4,6-Trichlorophenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:17	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	69.8	30-130	10/9/19 16:17
Phenol-d6	71.3	30-130	10/9/19 16:17
Nitrobenzene-d5	74.7	30-130	10/9/19 16:17
2-Fluorobiphenyl	78.4	30-130	10/9/19 16:17
2,4,6-Tribromophenol	99.3	30-130	10/9/19 16:17
p-Terphenyl-d14	124	30-130	10/9/19 16:17

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (10')

Sampled: 10/2/2019 11:50

Sample ID: 19J0330-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	0.039	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:34	TG
Aroclor-1221 [1]	ND	0.086	0.064	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:34	TG
Aroclor-1232 [1]	ND	0.086	0.077	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:34	TG
Aroclor-1242 [1]	ND	0.086	0.064	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:34	TG
Aroclor-1248 [1]	ND	0.086	0.030	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:34	TG
Aroclor-1254 [1]	ND	0.086	0.034	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:34	TG
Aroclor-1260 [1]	ND	0.086	0.047	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:34	TG
Aroclor-1262 [1]	ND	0.086	0.043	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:34	TG
Aroclor-1268 [1]	ND	0.086	0.069	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:34	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Decachlorobiphenyl [1]	95.6	30-150	10/14/19 20:34
Decachlorobiphenyl [2]	101	30-150	10/14/19 20:34
Tetrachloro-m-xylene [1]	94.1	30-150	10/14/19 20:34
Tetrachloro-m-xylene [2]	99.3	30-150	10/14/19 20:34

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (10')

Sampled: 10/2/2019 11:50

Sample ID: 19J0330-14

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.1	1.8	0.35	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:28	TBC/MJH
Barium	120	1.8	0.38	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:28	TBC/MJH
Cadmium	0.11	0.18	0.065	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 18:28	TBC/MJH
Chromium	14	0.36	0.26	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:28	TBC/MJH
Lead	10	0.54	0.22	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:28	TBC/MJH
Mercury	0.024	0.027	0.0080	mg/Kg dry	1	J	SW-846 7471B	10/11/19	10/12/19 12:28	AJL
Selenium	ND	3.6	1.8	mg/Kg dry	1	JJ	SW-846 6010D	10/11/19	10/14/19 18:28	TBC/MJH
Silver	ND	0.36	0.16	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:28	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (10')

Sample ID: 19J0330-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.4		% Wt	1		SM 2540G	10/11/19	10/12/19 9:40	DB + CBN

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (0-2')

Sampled: 10/2/2019 11:10

Sample ID: 19J0330-15

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.14	0.012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Acrylonitrile	ND	0.0086	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0014	0.00043	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Benzene	ND	0.0029	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Bromobenzene	ND	0.0029	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Bromochloromethane	ND	0.0058	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Bromodichloromethane	ND	0.0029	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Bromoform	ND	0.0058	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Bromomethane	ND	0.014	0.0016	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
2-Butanone (MEK)	ND	0.058	0.0079	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
tert-Butyl Alcohol (TBA)	ND	0.058	0.0065	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
n-Butylbenzene	ND	0.0029	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
sec-Butylbenzene	ND	0.0029	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
tert-Butylbenzene	ND	0.0029	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0014	0.00029	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Carbon Disulfide	ND	0.0086	0.0078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Carbon Tetrachloride	ND	0.0029	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Chlorobenzene	ND	0.0029	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Chlorodibromomethane	ND	0.0029	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Chloroethane	ND	0.029	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Chloroform	ND	0.0058	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Chloromethane	ND	0.014	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
2-Chlorotoluene	ND	0.0029	0.00043	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
4-Chlorotoluene	ND	0.0029	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0029	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Dibromomethane	ND	0.0029	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,2-Dichlorobenzene	ND	0.0029	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,3-Dichlorobenzene	ND	0.0029	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,4-Dichlorobenzene	ND	0.0029	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
trans-1,4-Dichloro-2-butene	ND	0.0058	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.029	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,1-Dichloroethane	ND	0.0029	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,2-Dichloroethane	ND	0.0029	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,1-Dichloroethylene	ND	0.0058	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
cis-1,2-Dichloroethylene	ND	0.0029	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
trans-1,2-Dichloroethylene	ND	0.0029	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,2-Dichloropropane	ND	0.0029	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,3-Dichloropropane	ND	0.0014	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
2,2-Dichloropropane	ND	0.0029	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,1-Dichloropropene	ND	0.0058	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
cis-1,3-Dichloropropene	ND	0.0014	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
trans-1,3-Dichloropropene	ND	0.0014	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Diethyl Ether	ND	0.029	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (0-2')

Sampled: 10/2/2019 11:10

Sample ID: 19J0330-15

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0014	0.00029	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,4-Dioxane	ND	0.14	0.0076	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Ethylbenzene	ND	0.0029	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Hexachlorobutadiene	ND	0.0029	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
2-Hexanone (MBK)	ND	0.029	0.0029	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Isopropylbenzene (Cumene)	ND	0.0029	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0029	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Methyl Acetate	ND	0.0029	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0058	0.00043	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Methyl Cyclohexane	ND	0.0029	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Methylene Chloride	ND	0.029	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.029	0.0036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Naphthalene	ND	0.0058	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
n-Propylbenzene	ND	0.0029	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Styrene	ND	0.0029	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,1,1,2-Tetrachloroethane	ND	0.0029	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,1,2,2-Tetrachloroethane	ND	0.0014	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Tetrachloroethylene	ND	0.0029	0.0017	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Tetrahydrofuran	ND	0.014	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Toluene	ND	0.0029	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,2,3-Trichlorobenzene	ND	0.0029	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,2,4-Trichlorobenzene	ND	0.0029	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,3,5-Trichlorobenzene	ND	0.0029	0.00043	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,1,1-Trichloroethane	ND	0.0029	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,1,2-Trichloroethane	ND	0.0029	0.00058	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Trichloroethylene	ND	0.0029	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Trichlorofluoromethane (Freon 11)	ND	0.014	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,2,3-Trichloropropane	ND	0.0058	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.014	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,2,4-Trimethylbenzene	ND	0.0029	0.00043	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
1,3,5-Trimethylbenzene	ND	0.0029	0.00072	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
Vinyl Chloride	ND	0.014	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
m+p Xylene	ND	0.0058	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF
o-Xylene	ND	0.0029	0.00086	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 10:40	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	99.5	70-130	10/8/19 10:40
Toluene-d8	98.9	70-130	10/8/19 10:40
4-Bromofluorobenzene	103	70-130	10/8/19 10:40

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (0-2')

Sampled: 10/2/2019 11:10

Sample ID: 19J0330-15

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Acenaphthylene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Acetophenone	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Aniline	ND	0.41	0.096	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Anthracene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Benzidine	ND	0.79	0.22	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Benzo(a)anthracene	0.46	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Benzo(a)pyrene	0.60	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Benzo(b)fluoranthene	0.61	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Benzo(g,h,i)perylene	0.48	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Benzo(k)fluoranthene	0.25	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Benzoic Acid	ND	1.2	0.71	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Bis(2-chloroethoxy)methane	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Bis(2-chloroethyl)ether	ND	0.41	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Bis(2-chloroisopropyl)ether	ND	0.41	0.28	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
4-Bromophenylphenylether	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Butylbenzylphthalate	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Carbazole	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
4-Chloroaniline	ND	0.79	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
4-Chloro-3-methylphenol	ND	0.79	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2-Chloronaphthalene	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2-Chlorophenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
4-Chlorophenylphenylether	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Chrysene	0.55	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Dibenz(a,h)anthracene	0.13	0.20	0.12	mg/Kg dry	1	J	SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Dibenzofuran	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Di-n-butylphthalate	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
1,2-Dichlorobenzene	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
1,3-Dichlorobenzene	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
1,4-Dichlorobenzene	ND	0.41	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
3,3-Dichlorobenzidine	ND	0.20	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2,4-Dichlorophenol	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Diethylphthalate	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2,4-Dimethylphenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Dimethylphthalate	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
4,6-Dinitro-2-methylphenol	ND	0.41	0.36	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2,4-Dinitrophenol	ND	0.79	0.55	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2,4-Dinitrotoluene	ND	0.41	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2,6-Dinitrotoluene	ND	0.41	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Di-n-octylphthalate	ND	0.41	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Fluoranthene	0.86	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Fluorene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (0-2')

Sampled: 10/2/2019 11:10

Sample ID: 19J0330-15

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.41	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Hexachlorobutadiene	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Hexachlorocyclopentadiene	ND	0.41	0.34	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Hexachloroethane	ND	0.41	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Indeno(1,2,3-cd)pyrene	0.44	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Isophorone	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
1-Methylnaphthalene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2-Methylnaphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2-Methylphenol	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
3/4-Methylphenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Naphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2-Nitroaniline	ND	0.41	0.24	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
3-Nitroaniline	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
4-Nitroaniline	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Nitrobenzene	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2-Nitrophenol	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
4-Nitrophenol	ND	0.79	0.29	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 16:39	KLB
N-Nitrosodimethylamine	ND	0.41	0.22	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
N-Nitrosodi-n-propylamine	ND	0.41	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Pentachloronitrobenzene	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Pentachlorophenol	ND	0.41	0.28	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Phenanthrene	0.52	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Phenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Pyrene	1.1	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
Pyridine	ND	0.41	0.12	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 16:39	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
1,2,4-Trichlorobenzene	ND	0.41	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2,4,5-Trichlorophenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB
2,4,6-Trichlorophenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 16:39	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	44.9	30-130	10/9/19 16:39
Phenol-d6	48.0	30-130	10/9/19 16:39
Nitrobenzene-d5	50.9	30-130	10/9/19 16:39
2-Fluorobiphenyl	56.8	30-130	10/9/19 16:39
2,4,6-Tribromophenol	69.3	30-130	10/9/19 16:39
p-Terphenyl-d14	83.7	30-130	10/9/19 16:39

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (0-2')

Sampled: 10/2/2019 11:10

Sample ID: 19J0330-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	0.044	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:46	TG
Aroclor-1221 [1]	ND	0.098	0.073	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:46	TG
Aroclor-1232 [1]	ND	0.098	0.088	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:46	TG
Aroclor-1242 [1]	ND	0.098	0.073	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:46	TG
Aroclor-1248 [1]	ND	0.098	0.034	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:46	TG
Aroclor-1254 [1]	ND	0.098	0.039	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:46	TG
Aroclor-1260 [1]	ND	0.098	0.054	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:46	TG
Aroclor-1262 [1]	ND	0.098	0.049	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:46	TG
Aroclor-1268 [1]	ND	0.098	0.078	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:46	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		95.8	30-150						10/14/19 20:46	
Decachlorobiphenyl [2]		104	30-150						10/14/19 20:46	
Tetrachloro-m-xylene [1]		101	30-150						10/14/19 20:46	
Tetrachloro-m-xylene [2]		105	30-150						10/14/19 20:46	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (0-2')

Sampled: 10/2/2019 11:10

Sample ID: 19J0330-15

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
								Prepared	Analyzed	
Arsenic	17	2.0	0.40	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:43	TBC/MJH
Barium	240	2.0	0.44	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:43	TBC/MJH
Cadmium	1.4	0.20	0.073	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:43	TBC/MJH
Chromium	14	0.41	0.29	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:43	TBC/MJH
Lead	500	0.61	0.25	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:43	TBC/MJH
Mercury	0.54	0.030	0.0089	mg/Kg dry	1		SW-846 7471B	10/11/19	10/12/19 12:30	AJL
Selenium	ND	4.1	2.0	mg/Kg dry	1	UT	SW-846 6010D	10/11/19	10/14/19 18:43	TBC/MJH
Silver	ND	0.41	0.18	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:43	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-11 (0-2')

Sampled: 10/2/2019 11:10

Sample ID: 19J0330-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
% Solids	81.7		% Wt	1		SM 2540G	10/11/19	10/12/19 9:40	ADB + CBA

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: DUP 2

Sampled: 10/3/2019 11:30

Sample ID: 19J0330-16

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.14	0.012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Acrylonitrile	ND	0.0085	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0014	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Benzene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Bromobenzene	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Bromochloromethane	ND	0.0057	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Bromodichloromethane	ND	0.0028	0.00071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Bromoform	ND	0.0057	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Bromomethane	ND	0.014	0.0016	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
2-Butanone (MEK)	ND	0.057	0.0078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
tert-Butyl Alcohol (TBA)	ND	0.057	0.0064	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
n-Butylbenzene	ND	0.0028	0.00071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
sec-Butylbenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
tert-Butylbenzene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0014	0.00028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Carbon Disulfide	ND	0.0085	0.0076	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Carbon Tetrachloride	ND	0.0028	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Chlorobenzene	ND	0.0028	0.00071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Chlorodibromomethane	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Chloroethane	ND	0.028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Chloroform	ND	0.0057	0.00071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Chloromethane	ND	0.014	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
2-Chlorotoluene	ND	0.0028	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
4-Chlorotoluene	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Dibromomethane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,2-Dichlorobenzene	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,3-Dichlorobenzene	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,4-Dichlorobenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
trans-1,4-Dichloro-2-butene	ND	0.0057	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.028	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,1-Dichloroethane	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,2-Dichloroethane	ND	0.0028	0.00071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,1-Dichloroethylene	ND	0.0057	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
cis-1,2-Dichloroethylene	ND	0.0028	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
trans-1,2-Dichloroethylene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,2-Dichloropropane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,3-Dichloropropane	ND	0.0014	0.00071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
2,2-Dichloropropane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,1-Dichloropropene	ND	0.0057	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
cis-1,3-Dichloropropene	ND	0.0014	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
trans-1,3-Dichloropropene	ND	0.0014	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Diethyl Ether	ND	0.028	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: DUP 2

Sampled: 10/3/2019 11:30

Sample ID: 19J0330-16

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0014	0.00028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,4-Dioxane	ND	0.14	0.0075	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Ethylbenzene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Hexachlorobutadiene	ND	0.0028	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
2-Hexanone (MBK)	ND	0.028	0.0028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Isopropylbenzene (Cumene)	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0028	0.00071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Methyl Acetate	ND	0.0028	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0057	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Methyl Cyclohexane	ND	0.0028	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Methylene Chloride	0.0023	0.028	0.0014	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.028	0.0035	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Naphthalene	ND	0.0057	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
n-Propylbenzene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Styrene	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,1,1,2-Tetrachloroethane	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,1,2,2-Tetrachloroethane	ND	0.0014	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Tetrachloroethylene	ND	0.0028	0.0017	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Tetrahydrofuran	ND	0.014	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Toluene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,2,3-Trichlorobenzene	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,2,4-Trichlorobenzene	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,3,5-Trichlorobenzene	ND	0.0028	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,1,1-Trichloroethane	ND	0.0028	0.00071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,1,2-Trichloroethane	ND	0.0028	0.00057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Trichloroethylene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Trichlorofluoromethane (Freon 11)	ND	0.014	0.00099	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,2,3-Trichloropropane	ND	0.0057	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.014	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,2,4-Trimethylbenzene	ND	0.0028	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
1,3,5-Trimethylbenzene	ND	0.0028	0.00071	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
Vinyl Chloride	ND	0.014	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
m+p Xylene	ND	0.0057	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF
o-Xylene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:07	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	101	70-130	10/8/19 11:07
Toluene-d8	101	70-130	10/8/19 11:07
4-Bromofluorobenzene	104	70-130	10/8/19 11:07

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: DUP 2

Sampled: 10/3/2019 11:30

Sample ID: 19J0330-16

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Acenaphthylene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Acetophenone	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Aniline	ND	0.41	0.096	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Anthracene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Benzidine	ND	0.79	0.22	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Benzo(a)anthracene	0.25	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Benzo(a)pyrene	0.25	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Benzo(b)fluoranthene	0.30	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Benzo(g,h,i)perylene	0.13	0.20	0.12	mg/Kg dry	1	J	SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Benzo(k)fluoranthene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Benzoic Acid	ND	1.2	0.71	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Bis(2-chloroethoxy)methane	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Bis(2-chloroethyl)ether	ND	0.41	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Bis(2-chloroisopropyl)ether	ND	0.41	0.28	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
4-Bromophenylphenylether	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Butylbenzylphthalate	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Carbazole	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
4-Chloroaniline	ND	0.79	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
4-Chloro-3-methylphenol	ND	0.79	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2-Chloronaphthalene	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2-Chlorophenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
4-Chlorophenylphenylether	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Chrysene	0.26	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Dibenz(a,h)anthracene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Dibenzofuran	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Di-n-butylphthalate	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
1,2-Dichlorobenzene	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
1,3-Dichlorobenzene	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
1,4-Dichlorobenzene	ND	0.41	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
3,3-Dichlorobenzidine	ND	0.20	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2,4-Dichlorophenol	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Diethylphthalate	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2,4-Dimethylphenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Dimethylphthalate	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
4,6-Dinitro-2-methylphenol	ND	0.41	0.36	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2,4-Dinitrophenol	ND	0.79	0.55	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2,4-Dinitrotoluene	ND	0.41	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2,6-Dinitrotoluene	ND	0.41	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Di-n-octylphthalate	ND	0.41	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Fluoranthene	0.42	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Fluorene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: DUP 2

Sampled: 10/3/2019 11:30

Sample ID: 19J0330-16

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.41	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Hexachlorobutadiene	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Hexachlorocyclopentadiene	ND	0.41	0.34	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Hexachloroethane	ND	0.41	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Indeno(1,2,3-cd)pyrene	0.17	0.20	0.14	mg/Kg dry	1	J	SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Isophorone	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
1-Methylnaphthalene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2-Methylnaphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2-Methylphenol	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
3/4-Methylphenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Naphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2-Nitroaniline	ND	0.41	0.24	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
3-Nitroaniline	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
4-Nitroaniline	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Nitrobenzene	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2-Nitrophenol	ND	0.41	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
4-Nitrophenol	ND	0.79	0.29	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 17:02	KLB
N-Nitrosodimethylamine	ND	0.41	0.22	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.41	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
N-Nitrosodi-n-propylamine	ND	0.41	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Pentachloronitrobenzene	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Pentachlorophenol	ND	0.41	0.28	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Phenanthrene	0.17	0.20	0.11	mg/Kg dry	1	J	SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Phenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Pyrene	0.55	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
Pyridine	ND	0.41	0.12	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 17:02	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.41	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
1,2,4-Trichlorobenzene	ND	0.41	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2,4,5-Trichlorophenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB
2,4,6-Trichlorophenol	ND	0.41	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:02	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	66.3	30-130	
Phenol-d6	71.1	30-130	
Nitrobenzene-d5	74.2	30-130	
2-Fluorobiphenyl	84.3	30-130	
2,4,6-Tribromophenol	105	30-130	
p-Terphenyl-d14	130	30-130	S-07

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: DUP 2

Sampled: 10/3/2019 11:30

Sample ID: 19J0330-16

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.9	2.0	0.38	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:49	TBC/MJH
Barium	65	2.0	0.42	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:49	TBC/MJH
Cadmium	0.46	0.20	0.071	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:49	TBC/MJH
Chromium	22	0.40	0.28	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:49	TBC/MJH
Lead	53	0.60	0.24	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:49	TBC/MJH
Mercury	0.51	0.030	0.0091	mg/Kg dry	1		SW-846 7471B	10/11/19	10/12/19 12:31	AJL
Selenium	ND	4.0	1.9	mg/Kg dry	1	UJ	SW-846 6010D	10/11/19	10/14/19 18:49	TBC/MJH
Silver	ND	0.40	0.17	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:49	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: DUP 2

Sample ID: 19J0330-16

Sample Matrix: Soil

Sampled: 10/3/2019 11:30

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.9		% Wt	1		SM 2540G	10/11/19	10/12/19 9:40	ADB + CBN

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-5 (9-10')

Sampled: 10/3/2019 12:20

Sample ID: 19J0330-17

Sample Matrix: Soil

Sample Flags: PR-15

Volatil Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.13	0.011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Acrylonitrile	ND	0.0080	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0013	0.00040	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Benzene	ND	0.0027	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Bromobenzene	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Bromochloromethane	ND	0.0053	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Bromodichloromethane	ND	0.0027	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Bromoform	ND	0.0053	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Bromomethane	ND	0.013	0.0015	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
2-Butanone (MEK)	ND	0.053	0.0073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
tert-Butyl Alcohol (TBA)	ND	0.053	0.0060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
n-Butylbenzene	ND	0.0027	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
sec-Butylbenzene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
tert-Butylbenzene	ND	0.0027	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0013	0.00027	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Carbon Disulfide	ND	0.0080	0.0072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Carbon Tetrachloride	ND	0.0027	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Chlorobenzene	ND	0.0027	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Chlorodibromomethane	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Chloroethane	ND	0.027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Chloroform	ND	0.0053	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Chloromethane	ND	0.013	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
2-Chlorotoluene	ND	0.0027	0.00040	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
4-Chlorotoluene	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0027	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Dibromomethane	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,2-Dichlorobenzene	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,3-Dichlorobenzene	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,4-Dichlorobenzene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
trans-1,4-Dichloro-2-butene	ND	0.0053	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.027	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,1-Dichloroethane	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,2-Dichloroethane	ND	0.0027	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,1-Dichloroethylene	ND	0.0053	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
cis-1,2-Dichloroethylene	ND	0.0027	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
trans-1,2-Dichloroethylene	ND	0.0027	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,2-Dichloropropane	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,3-Dichloropropane	ND	0.0013	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
2,2-Dichloropropane	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,1-Dichloropropene	ND	0.0053	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
cis-1,3-Dichloropropene	ND	0.0013	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
trans-1,3-Dichloropropene	ND	0.0013	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Diethyl Ether	ND	0.027	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-5 (9-10')

Sampled: 10/3/2019 12:20

Sample ID: 19J0330-17

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0013	0.00027	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,4-Dioxane	ND	0.13	0.0071	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Ethylbenzene	ND	0.0027	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Hexachlorobutadiene	ND	0.0027	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
2-Hexanone (MBK)	ND	0.027	0.0027	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Isopropylbenzene (Cumene)	ND	0.0027	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0027	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Methyl Acetate	ND	0.0027	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0053	0.00040	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Methyl Cyclohexane	ND	0.0027	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Methylene Chloride	0.0042	0.027	0.0013	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.027	0.0033	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Naphthalene	ND	0.0053	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
n-Propylbenzene	ND	0.0027	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Styrene	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,1,1,2-Tetrachloroethane	ND	0.0027	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,1,2,2-Tetrachloroethane	ND	0.0013	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Tetrachloroethylene	ND	0.0027	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Tetrahydrofuran	ND	0.013	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Toluene	ND	0.0027	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,2,3-Trichlorobenzene	ND	0.0027	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,2,4-Trichlorobenzene	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,3,5-Trichlorobenzene	ND	0.0027	0.00040	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,1,1-Trichloroethane	ND	0.0027	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,1,2-Trichloroethane	ND	0.0027	0.00053	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Trichloroethylene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,2,3-Trichloropropane	ND	0.0053	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.013	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,2,4-Trimethylbenzene	ND	0.0027	0.00040	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
1,3,5-Trimethylbenzene	ND	0.0027	0.00067	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
Vinyl Chloride	ND	0.013	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
m+p Xylene	ND	0.0053	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF
o-Xylene	ND	0.0027	0.00080	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 11:34	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	102	70-130	10/8/19 11:34
Toluene-d8	97.9	70-130	10/8/19 11:34
4-Bromofluorobenzene	102	70-130	10/8/19 11:34

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-5 (9-10')

Sampled: 10/3/2019 12:20

Sample ID: 19J0330-17

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Acenaphthylene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Acetophenone	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Aniline	ND	0.40	0.094	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Anthracene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Benzidine	ND	0.77	0.21	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Benzo(a)anthracene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Benzo(a)pyrene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Benzo(b)fluoranthene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Benzo(g,h,i)perylene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Benzo(k)fluoranthene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Benzoic Acid	ND	1.2	0.69	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Bis(2-chloroethoxy)methane	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Bis(2-chloroethyl)ether	ND	0.40	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Bis(2-chloroisopropyl)ether	ND	0.40	0.27	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
4-Bromophenylphenylether	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Butylbenzylphthalate	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Carbazole	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
4-Chloroaniline	ND	0.77	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
4-Chloro-3-methylphenol	ND	0.77	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2-Chloronaphthalene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2-Chlorophenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
4-Chlorophenylphenylether	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Chrysene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Dibenz(a,h)anthracene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Dibenzofuran	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Di-n-butylphthalate	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
1,2-Dichlorobenzene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
1,3-Dichlorobenzene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
1,4-Dichlorobenzene	ND	0.40	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
3,3-Dichlorobenzidine	ND	0.20	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2,4-Dichlorophenol	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Diethylphthalate	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2,4-Dimethylphenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Dimethylphthalate	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
4,6-Dinitro-2-methylphenol	ND	0.40	0.35	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2,4-Dinitrophenol	ND	0.77	0.54	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2,4-Dinitrotoluene	ND	0.40	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2,6-Dinitrotoluene	ND	0.40	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Di-n-octylphthalate	ND	0.40	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Fluoranthene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Fluorene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-5 (9-10')

Sampled: 10/3/2019 12:20

Sample ID: 19J0330-17

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.40	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Hexachlorobutadiene	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Hexachlorocyclopentadiene	ND	0.40	0.33	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Hexachloroethane	ND	0.40	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Indeno(1,2,3-cd)pyrene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Isophorone	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
1-Methylnaphthalene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2-Methylnaphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2-Methylphenol	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
3/4-Methylphenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Naphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2-Nitroaniline	ND	0.40	0.23	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
3-Nitroaniline	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
4-Nitroaniline	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Nitrobenzene	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2-Nitrophenol	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
4-Nitrophenol	ND	0.77	0.28	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 17:24	KLB
N-Nitrosodimethylamine	ND	0.40	0.21	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
N-Nitrosodi-n-propylamine	ND	0.40	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Pentachloronitrobenzene	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Pentachlorophenol	ND	0.40	0.27	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Phenanthrene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Phenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Pyrene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
Pyridine	ND	0.40	0.12	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 17:24	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
1,2,4-Trichlorobenzene	ND	0.40	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2,4,5-Trichlorophenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB
2,4,6-Trichlorophenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:24	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	71.1	30-130	
Phenol-d6	72.8	30-130	
Nitrobenzene-d5	75.1	30-130	
2-Fluorobiphenyl	82.2	30-130	
2,4,6-Tribromophenol	106	30-130	
p-Terphenyl-d14	131	30-130	S-07

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-5 (9-10')

Sampled: 10/3/2019 12:20

Sample ID: 19J0330-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	0.043	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:59	TG
Aroclor-1221 [1]	ND	0.095	0.071	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:59	TG
Aroclor-1232 [1]	ND	0.095	0.086	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:59	TG
Aroclor-1242 [1]	ND	0.095	0.071	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:59	TG
Aroclor-1248 [1]	ND	0.095	0.033	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:59	TG
Aroclor-1254 [1]	ND	0.095	0.038	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:59	TG
Aroclor-1260 [1]	ND	0.095	0.052	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:59	TG
Aroclor-1262 [1]	ND	0.095	0.048	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:59	TG
Aroclor-1268 [1]	ND	0.095	0.076	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 20:59	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Decachlorobiphenyl [1]	92.8	30-150	
Decachlorobiphenyl [2]	98.7	30-150	
Tetrachloro-m-xylene [1]	98.8	30-150	
Tetrachloro-m-xylene [2]	105	30-150	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-5 (9-10')

Sampled: 10/3/2019 12:20

Sample ID: 19J0330-17

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	1.8	1.9	0.38	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 18:55	TBC/MJH
Barium	56	1.9	0.42	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:55	TBC/MJH
Cadmium	0.099	0.19	0.070	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 18:55	TBC/MJH
Chromium	11	0.39	0.28	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:55	TBC/MJH
Lead	8.4	0.58	0.24	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:55	TBC/MJH
Mercury	0.012	0.030	0.0090	mg/Kg dry	1	J	SW-846 7471B	10/11/19	10/12/19 12:33	AJL
Selenium	ND	3.9	1.9	mg/Kg dry	1	UJ	SW-846 6010D	10/11/19	10/14/19 18:55	TBC/MJH
Silver	ND	0.39	0.17	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 18:55	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-5 (9-10')

Sampled: 10/3/2019 12:20

Sample ID: 19J0330-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.1		% Wt	1		SM 2540G	10/11/19	10/12/19 9:40	ADB + CBN

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-8 (0-2')

Sampled: 10/2/2019 14:55

Sample ID: 19J0330-18

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Acrylonitrile	ND	0.0072	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Benzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Bromobenzene	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Bromochloromethane	ND	0.0048	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Bromodichloromethane	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Bromoform	ND	0.0048	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Bromomethane	ND	0.012	0.0013	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
2-Butanone (MEK)	ND	0.048	0.0066	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
tert-Butyl Alcohol (TBA)	ND	0.048	0.0054	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
n-Butylbenzene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
sec-Butylbenzene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
tert-Butylbenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00024	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Carbon Disulfide	ND	0.0072	0.0065	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Carbon Tetrachloride	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Chlorobenzene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Chlorodibromomethane	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Chloroethane	ND	0.024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Chloroform	ND	0.0048	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Chloromethane	ND	0.012	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
2-Chlorotoluene	ND	0.0024	0.00036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
4-Chlorotoluene	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Dibromomethane	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
trans-1,4-Dichloro-2-butene	ND	0.0048	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,1-Dichloroethane	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,2-Dichloroethane	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,1-Dichloroethylene	ND	0.0048	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
cis-1,2-Dichloroethylene	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,2-Dichloropropane	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,3-Dichloropropane	ND	0.0012	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
2,2-Dichloropropane	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,1-Dichloropropene	ND	0.0048	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Diethyl Ether	ND	0.024	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-8 (0-2')

Sampled: 10/2/2019 14:55

Sample ID: 19J0330-18

Sample Matrix: Soil

Sample Flags: PR-15

Volatiles Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00024	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,4-Dioxane	ND	0.12	0.0064	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Ethylbenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Hexachlorobutadiene	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
2-Hexanone (MBK)	ND	0.024	0.0024	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Methyl Acetate	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0048	0.00036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Methyl Cyclohexane	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Methylene Chloride	0.0034	0.024	0.0012	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0030	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Naphthalene	ND	0.0048	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
n-Propylbenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Styrene	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Tetrachloroethylene	ND	0.0024	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Tetrahydrofuran	ND	0.012	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Toluene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,2,3-Trichlorobenzene	ND	0.0024	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00048	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Trichloroethylene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00084	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,2,3-Trichloropropane	ND	0.0048	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.00096	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00036	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00060	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
Vinyl Chloride	ND	0.012	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
m+p Xylene	ND	0.0048	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF
o-Xylene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:01	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	98.0	70-130	10/8/19 12:01
Toluene-d8	97.2	70-130	10/8/19 12:01
4-Bromofluorobenzene	104	70-130	10/8/19 12:01

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-8 (0-2')

Sampled: 10/2/2019 14:55

Sample ID: 19J0330-18

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Acenaphthylene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Acetophenone	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Aniline	ND	0.39	0.092	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Anthracene	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Benzidine	ND	0.76	0.21	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Benzo(a)anthracene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Benzo(a)pyrene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Benzo(b)fluoranthene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Benzo(g,h,i)perylene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Benzo(k)fluoranthene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Benzoic Acid	ND	1.2	0.68	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Bis(2-chloroethoxy)methane	ND	0.39	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Bis(2-chloroethyl)ether	ND	0.39	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Bis(2-chloroisopropyl)ether	ND	0.39	0.27	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.39	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
4-Bromophenylphenylether	ND	0.39	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Butylbenzylphthalate	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Carbazole	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
4-Chloroaniline	ND	0.76	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
4-Chloro-3-methylphenol	ND	0.76	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2-Chloronaphthalene	ND	0.39	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2-Chlorophenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
4-Chlorophenylphenylether	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Chrysene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Dibenz(a,h)anthracene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Dibenzofuran	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Di-n-butylphthalate	ND	0.39	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
1,2-Dichlorobenzene	ND	0.39	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
1,3-Dichlorobenzene	ND	0.39	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
1,4-Dichlorobenzene	ND	0.39	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
3,3-Dichlorobenzidine	ND	0.20	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2,4-Dichlorophenol	ND	0.39	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Diethylphthalate	ND	0.39	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2,4-Dimethylphenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Dimethylphthalate	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
4,6-Dinitro-2-methylphenol	ND	0.39	0.35	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2,4-Dinitrophenol	ND	0.76	0.53	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2,4-Dinitrotoluene	ND	0.39	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2,6-Dinitrotoluene	ND	0.39	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Di-n-octylphthalate	ND	0.39	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.39	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Fluoranthene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Fluorene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-8 (0-2')

Sampled: 10/2/2019 14:55

Sample ID: 19J0330-18

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.39	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Hexachlorobutadiene	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Hexachlorocyclopentadiene	ND	0.39	0.32	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Hexachloroethane	ND	0.39	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Indeno(1,2,3-cd)pyrene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Isophorone	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
1-Methylnaphthalene	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2-Methylnaphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2-Methylphenol	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
3/4-Methylphenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Naphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2-Nitroaniline	ND	0.39	0.23	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
3-Nitroaniline	ND	0.39	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
4-Nitroaniline	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Nitrobenzene	ND	0.39	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2-Nitrophenol	ND	0.39	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
4-Nitrophenol	ND	0.76	0.28	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 17:46	KLB
N-Nitrosodimethylamine	ND	0.39	0.21	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.39	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
N-Nitrosodi-n-propylamine	ND	0.39	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Pentachloronitrobenzene	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Pentachlorophenol	ND	0.39	0.27	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Phenanthrene	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Phenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Pyrene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
Pyridine	ND	0.39	0.12	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 17:46	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
1,2,4-Trichlorobenzene	ND	0.39	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2,4,5-Trichlorophenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB
2,4,6-Trichlorophenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 17:46	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	64.2	30-130	10/9/19 17:46
Phenol-d6	65.2	30-130	10/9/19 17:46
Nitrobenzene-d5	69.9	30-130	10/9/19 17:46
2-Fluorobiphenyl	75.5	30-130	10/9/19 17:46
2,4,6-Tribromophenol	92.1	30-130	10/9/19 17:46
p-Terphenyl-d14	116	30-130	10/9/19 17:46

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-8 (0-2')

Sampled: 10/2/2019 14:55

Sample ID: 19J0330-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	0.041	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:11	TG
Aroclor-1221 [1]	ND	0.092	0.069	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:11	TG
Aroclor-1232 [1]	ND	0.092	0.083	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:11	TG
Aroclor-1242 [1]	ND	0.092	0.069	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:11	TG
Aroclor-1248 [1]	ND	0.092	0.032	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:11	TG
Aroclor-1254 [1]	ND	0.092	0.037	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:11	TG
Aroclor-1260 [1]	ND	0.092	0.051	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:11	TG
Aroclor-1262 [1]	ND	0.092	0.046	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:11	TG
Aroclor-1268 [1]	ND	0.092	0.074	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:11	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Decachlorobiphenyl [1]	88.9	30-150	
Decachlorobiphenyl [2]	94.1	30-150	
Tetrachloro-m-xylene [1]	98.5	30-150	
Tetrachloro-m-xylene [2]	103	30-150	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-8 (0-2')

Sampled: 10/2/2019 14:55

Sample ID: 19J0330-18

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
								Prepared	Analyzed	
Arsenic	3.3	1.9	0.36	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 19:01	TBC/MJH
Barium	67	1.9	0.40	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 19:01	TBC/MJH
Cadmium	0.15	0.19	0.068	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 19:01	TBC/MJH
Chromium	9.0	0.38	0.27	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 19:01	TBC/MJH
Lead	15	0.56	0.23	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 19:01	TBC/MJH
Mercury	0.076	0.029	0.0088	mg/Kg dry	1		SW-846 7471B	10/11/19	10/12/19 11:56	AJL
Selenium	ND	3.8	1.8	mg/Kg dry	1	UJ	SW-846 6010D	10/11/19	10/14/19 19:01	TBC/MJH
Silver	ND	0.38	0.17	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 19:01	TBC/MJH

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Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-8 (0-2')

Sampled: 10/2/2019 14:55

Sample ID: 19J0330-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.8		% Wt	1		SM 2540G	10/11/19	10/12/19 9:40	ADB + CBN

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-8 (10')

Sampled: 10/2/2019 15:20

Sample ID: 19J0330-19

Sample Matrix: Soil

Sample Flags: PR-15

Volatiles Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	0.0094	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Acrylonitrile	ND	0.0067	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	0.00034	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Benzene	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Bromobenzene	ND	0.0022	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Bromochloromethane	ND	0.0045	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Bromodichloromethane	ND	0.0022	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Bromoform	ND	0.0045	0.00078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Bromomethane	ND	0.011	0.0012	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
2-Butanone (MEK)	ND	0.045	0.0061	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
tert-Butyl Alcohol (TBA)	ND	0.045	0.0050	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
n-Butylbenzene	ND	0.0022	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
sec-Butylbenzene	ND	0.0022	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
tert-Butylbenzene	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	0.00022	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Carbon Disulfide	ND	0.0067	0.0060	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Carbon Tetrachloride	ND	0.0022	0.00078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Chlorobenzene	ND	0.0022	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Chlorodibromomethane	ND	0.0022	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Chloroethane	ND	0.022	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Chloroform	ND	0.0045	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Chloromethane	ND	0.011	0.00078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
2-Chlorotoluene	ND	0.0022	0.00034	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
4-Chlorotoluene	ND	0.0022	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Dibromomethane	ND	0.0022	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,2-Dichlorobenzene	ND	0.0022	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,3-Dichlorobenzene	ND	0.0022	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,4-Dichlorobenzene	ND	0.0022	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
trans-1,4-Dichloro-2-butene	ND	0.0045	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,1-Dichloroethane	ND	0.0022	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,2-Dichloroethane	ND	0.0022	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,1-Dichloroethylene	ND	0.0045	0.00078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
cis-1,2-Dichloroethylene	ND	0.0022	0.00078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
trans-1,2-Dichloroethylene	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,2-Dichloropropane	ND	0.0022	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,3-Dichloropropane	ND	0.0011	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
2,2-Dichloropropane	ND	0.0022	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,1-Dichloropropene	ND	0.0045	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Diethyl Ether	ND	0.022	0.00078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF

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Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-8 (10')

Sampled: 10/2/2019 15:20

Sample ID: 19J0330-19

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0011	0.00022	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,4-Dioxane	ND	0.11	0.0059	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Ethylbenzene	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Hexachlorobutadiene	ND	0.0022	0.00078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
2-Hexanone (MBK)	ND	0.022	0.0022	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Isopropylbenzene (Cumene)	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Methyl Acetate	ND	0.0022	0.00078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0045	0.00034	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Methyl Cyclohexane	ND	0.0022	0.00078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Methylene Chloride	0.0012	0.022	0.0011	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	0.0028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Naphthalene	ND	0.0045	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
n-Propylbenzene	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Styrene	ND	0.0022	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,1,1,2,2-Tetrachloroethane	ND	0.0011	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Tetrachloroethylene	ND	0.0022	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Tetrahydrofuran	ND	0.011	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Toluene	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,2,3-Trichlorobenzene	ND	0.0022	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,2,4-Trichlorobenzene	ND	0.0022	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,3,5-Trichlorobenzene	ND	0.0022	0.00034	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,1,1-Trichloroethane	ND	0.0022	0.00056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,1,2-Trichloroethane	ND	0.0022	0.00045	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Trichloroethylene	ND	0.0022	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	0.00078	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,2,3-Trichloropropane	ND	0.0045	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,2,4-Trimethylbenzene	ND	0.0022	0.00034	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
1,3,5-Trimethylbenzene	ND	0.0022	0.00056	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
Vinyl Chloride	ND	0.011	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
m+p Xylene	ND	0.0045	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF
o-Xylene	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:28	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	93.7	70-130	10/8/19 12:28
Toluene-d8	118	70-130	10/8/19 12:28
4-Bromofluorobenzene	102	70-130	10/8/19 12:28

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-8 (10')

Sampled: 10/2/2019 15:20

Sample ID: 19J0330-19

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	0.093	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Acenaphthylene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Acetophenone	ND	0.35	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Aniline	ND	0.35	0.083	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Anthracene	ND	0.18	0.093	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Benzidine	ND	0.68	0.19	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Benzo(a)anthracene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Benzo(a)pyrene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Benzo(b)fluoranthene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Benzo(g,h,i)perylene	ND	0.18	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Benzo(k)fluoranthene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Benzoic Acid	ND	1.0	0.61	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Bis(2-chloroethoxy)methane	ND	0.35	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Bis(2-chloroethyl)ether	ND	0.35	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Bis(2-chloroisopropyl)ether	ND	0.35	0.24	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.35	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
4-Bromophenylphenylether	ND	0.35	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Butylbenzylphthalate	ND	0.35	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Carbazole	ND	0.18	0.093	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
4-Chloroaniline	ND	0.68	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
4-Chloro-3-methylphenol	ND	0.68	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2-Chloronaphthalene	ND	0.35	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2-Chlorophenol	ND	0.35	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
4-Chlorophenylphenylether	ND	0.35	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Chrysene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Dibenz(a,h)anthracene	ND	0.18	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Dibenzofuran	ND	0.35	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Di-n-butylphthalate	ND	0.35	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
1,2-Dichlorobenzene	ND	0.35	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
1,3-Dichlorobenzene	ND	0.35	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
1,4-Dichlorobenzene	ND	0.35	0.093	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
3,3-Dichlorobenzidine	ND	0.18	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2,4-Dichlorophenol	ND	0.35	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Diethylphthalate	ND	0.35	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2,4-Dimethylphenol	ND	0.35	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Dimethylphthalate	ND	0.35	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
4,6-Dinitro-2-methylphenol	ND	0.35	0.31	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2,4-Dinitrophenol	ND	0.68	0.48	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2,4-Dinitrotoluene	ND	0.35	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2,6-Dinitrotoluene	ND	0.35	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Di-n-octylphthalate	ND	0.35	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.35	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Fluoranthene	ND	0.18	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Fluorene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-8 (10')

Sampled: 10/2/2019 15:20

Sample ID: 19J0330-19

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.35	0.093	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Hexachlorobutadiene	ND	0.35	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Hexachlorocyclopentadiene	ND	0.35	0.29	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Hexachloroethane	ND	0.35	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Indeno(1,2,3-cd)pyrene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Isophorone	ND	0.35	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
1-Methylnaphthalene	ND	0.18	0.093	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2-Methylnaphthalene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2-Methylphenol	ND	0.35	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
3/4-Methylphenol	ND	0.35	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Naphthalene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2-Nitroaniline	ND	0.35	0.21	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
3-Nitroaniline	ND	0.35	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
4-Nitroaniline	ND	0.35	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Nitrobenzene	ND	0.35	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2-Nitrophenol	ND	0.35	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
4-Nitrophenol	ND	0.68	0.25	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 18:08	KLB
N-Nitrosodimethylamine	ND	0.35	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.35	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
N-Nitrosodi-n-propylamine	ND	0.35	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Pentachloronitrobenzene	ND	0.35	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Pentachlorophenol	ND	0.35	0.24	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Phenanthrene	ND	0.18	0.093	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Phenol	ND	0.35	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Pyrene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Pyridine	ND	0.35	0.10	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 18:08	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.35	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
1,2,4-Trichlorobenzene	ND	0.35	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2,4,5-Trichlorophenol	ND	0.35	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
2,4,6-Trichlorophenol	ND	0.35	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:08	KLB
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
2-Fluorophenol		68.4	30-130						10/9/19 18:08	
Phenol-d6		70.0	30-130						10/9/19 18:08	
Nitrobenzene-d5		74.2	30-130						10/9/19 18:08	
2-Fluorobiphenyl		78.6	30-130						10/9/19 18:08	
2,4,6-Tribromophenol		98.7	30-130						10/9/19 18:08	
p-Terphenyl-d14		132 *	30-130			S-07			10/9/19 18:08	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-8 (10')

Sampled: 10/2/2019 15:20

Sample ID: 19J0330-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	0.038	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:23	TG
Aroclor-1221 [1]	ND	0.084	0.063	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:23	TG
Aroclor-1232 [1]	ND	0.084	0.076	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:23	TG
Aroclor-1242 [1]	ND	0.084	0.063	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:23	TG
Aroclor-1248 [1]	ND	0.084	0.029	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:23	TG
Aroclor-1254 [1]	ND	0.084	0.034	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:23	TG
Aroclor-1260 [1]	ND	0.084	0.046	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:23	TG
Aroclor-1262 [1]	ND	0.084	0.042	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:23	TG
Aroclor-1268 [1]	ND	0.084	0.067	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:23	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		96.3	30-150						10/14/19 21:23	
Decachlorobiphenyl [2]		102	30-150						10/14/19 21:23	
Tetrachloro-m-xylene [1]		99.5	30-150						10/14/19 21:23	
Tetrachloro-m-xylene [2]		104	30-150						10/14/19 21:23	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-8 (10')

Sampled: 10/2/2019 15:20

Sample ID: 19J0330-19

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
								Prepared	Analyzed	
Arsenic	2.3	1.7	0.33	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:13	TBC/MJH
Barium	49	1.7	0.37	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:13	TBC/MJH
Cadmium	0.094	0.17	0.062	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 20:13	TBC/MJH
Chromium	9.2	0.34	0.25	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:13	TBC/MJH
Lead	10	0.52	0.21	mg/Kg dry	1	J-	SW-846 6010D	10/11/19	10/14/19 20:13	TBC/MJH
Mercury	0.012	0.025	0.0075	mg/Kg dry	1	J	SW-846 7471B	10/11/19	10/12/19 12:35	AJL
Selenium	ND	3.4	1.7	mg/Kg dry	1	UJ	SW-846 6010D	10/11/19	10/14/19 20:13	TBC/MJH
Silver	ND	0.34	0.15	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:13	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-8 (10')

Sample ID: 19J0330-19

Sample Matrix: Soil

Sampled: 10/2/2019 15:20

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.3		% Wt	1		SM 2540G	10/11/19	10/12/19 9:40	ADB + CBA

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-6 (10')

Sampled: 10/3/2019 08:50

Sample ID: 19J0330-20

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.14	0.012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Acrylonitrile	ND	0.0083	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0014	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Benzene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Bromobenzene	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Bromochloromethane	ND	0.0055	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Bromodichloromethane	ND	0.0028	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Bromoform	ND	0.0055	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Bromomethane	ND	0.014	0.0015	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
2-Butanone (MEK)	ND	0.055	0.0076	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
tert-Butyl Alcohol (TBA)	ND	0.055	0.0062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
n-Butylbenzene	ND	0.0028	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
sec-Butylbenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
tert-Butylbenzene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0014	0.00028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Carbon Disulfide	ND	0.0083	0.0075	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Carbon Tetrachloride	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Chlorobenzene	ND	0.0028	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Chlorodibromomethane	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Chloroethane	ND	0.028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Chloroform	ND	0.0055	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Chloromethane	ND	0.014	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
2-Chlorotoluene	ND	0.0028	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
4-Chlorotoluene	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Dibromomethane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,2-Dichlorobenzene	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,3-Dichlorobenzene	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,4-Dichlorobenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
trans-1,4-Dichloro-2-butene	ND	0.0055	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.028	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,1-Dichloroethane	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,2-Dichloroethane	ND	0.0028	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,1-Dichloroethylene	ND	0.0055	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
cis-1,2-Dichloroethylene	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
trans-1,2-Dichloroethylene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,2-Dichloropropane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,3-Dichloropropane	ND	0.0014	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
2,2-Dichloropropane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,1-Dichloropropene	ND	0.0055	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
cis-1,3-Dichloropropene	ND	0.0014	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
trans-1,3-Dichloropropene	ND	0.0014	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Diethyl Ether	ND	0.028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-6 (10')

Sampled: 10/3/2019 08:50

Sample ID: 19J0330-20

Sample Matrix: Soil

Sample Flags: PR-15

Volatil Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0014	0.00028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,4-Dioxane	ND	0.14	0.0073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Ethylbenzene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Hexachlorobutadiene	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
2-Hexanone (MBK)	ND	0.028	0.0028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Isopropylbenzene (Cumene)	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0028	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Methyl Acetate	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0055	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Methyl Cyclohexane	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Methylene Chloride	0.0080	0.028	0.0014	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.028	0.0035	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Naphthalene	ND	0.0055	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
n-Propylbenzene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Styrene	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,1,1,2-Tetrachloroethane	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,1,2,2-Tetrachloroethane	ND	0.0014	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Tetrachloroethylene	ND	0.0028	0.0017	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Tetrahydrofuran	ND	0.014	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Toluene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,2,3-Trichlorobenzene	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,2,4-Trichlorobenzene	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,3,5-Trichlorobenzene	ND	0.0028	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,1,1-Trichloroethane	ND	0.0028	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,1,2-Trichloroethane	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Trichloroethylene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Trichlorofluoromethane (Freon 11)	ND	0.014	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,2,3-Trichloropropane	ND	0.0055	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.014	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,2,4-Trimethylbenzene	ND	0.0028	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
1,3,5-Trimethylbenzene	ND	0.0028	0.00069	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Vinyl Chloride	ND	0.014	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
m+p Xylene	ND	0.0055	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
o-Xylene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 12:57	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		97.8	70-130						10/8/19 12:57	
Toluene-d8		99.5	70-130						10/8/19 12:57	
4-Bromofluorobenzene		104	70-130						10/8/19 12:57	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-6 (10')

Sampled: 10/3/2019 08:50

Sample ID: 19J0330-20

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Acenaphthylene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Acetophenone	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Aniline	ND	0.40	0.093	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Anthracene	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Benzidine	ND	0.77	0.21	mg/Kg dry	1	V-05, V-35	SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Benzo(a)anthracene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Benzo(a)pyrene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Benzo(b)fluoranthene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Benzo(g,h,i)perylene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Benzo(k)fluoranthene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Benzoic Acid	ND	1.2	0.69	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Bis(2-chloroethoxy)methane	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Bis(2-chloroethyl)ether	ND	0.40	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Bis(2-chloroisopropyl)ether	ND	0.40	0.27	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
4-Bromophenylphenylether	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Butylbenzylphthalate	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Carbazole	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
4-Chloroaniline	ND	0.77	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
4-Chloro-3-methylphenol	ND	0.77	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2-Chloronaphthalene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2-Chlorophenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
4-Chlorophenylphenylether	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Chrysene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Dibenz(a,h)anthracene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Dibenzofuran	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Di-n-butylphthalate	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
1,2-Dichlorobenzene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
1,3-Dichlorobenzene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
1,4-Dichlorobenzene	ND	0.40	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
3,3-Dichlorobenzidine	ND	0.20	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2,4-Dichlorophenol	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Diethylphthalate	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2,4-Dimethylphenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Dimethylphthalate	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
4,6-Dinitro-2-methylphenol	ND	0.40	0.35	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2,4-Dinitrophenol	ND	0.77	0.54	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2,4-Dinitrotoluene	ND	0.40	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2,6-Dinitrotoluene	ND	0.40	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Di-n-octylphthalate	ND	0.40	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Fluoranthene	ND	0.20	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Fluorene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-6 (10')

Sampled: 10/3/2019 08:50

Sample ID: 19J0330-20

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.40	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Hexachlorobutadiene	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Hexachlorocyclopentadiene	ND	0.40	0.33	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Hexachloroethane	ND	0.40	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Indeno(1,2,3-cd)pyrene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Isophorone	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
1-Methylnaphthalene	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2-Methylnaphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2-Methylphenol	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
3/4-Methylphenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Naphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2-Nitroaniline	ND	0.40	0.23	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
3-Nitroaniline	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
4-Nitroaniline	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Nitrobenzene	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2-Nitrophenol	ND	0.40	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
4-Nitrophenol	ND	0.77	0.28	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 18:31	KLB
N-Nitrosodimethylamine	ND	0.40	0.21	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.40	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
N-Nitrosodi-n-propylamine	ND	0.40	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Pentachloronitrobenzene	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Pentachlorophenol	ND	0.40	0.27	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Phenanthrene	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Phenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Pyrene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
Pyridine	ND	0.40	0.12	mg/Kg dry	1	V-05	SW-846 8270D	10/8/19	10/9/19 18:31	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.40	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
1,2,4-Trichlorobenzene	ND	0.40	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2,4,5-Trichlorophenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB
2,4,6-Trichlorophenol	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 18:31	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	63.2	30-130	10/9/19 18:31
Phenol-d6	63.5	30-130	10/9/19 18:31
Nitrobenzene-d5	67.6	30-130	10/9/19 18:31
2-Fluorobiphenyl	74.2	30-130	10/9/19 18:31
2,4,6-Tribromophenol	101	30-130	10/9/19 18:31
p-Terphenyl-d14	121	30-130	10/9/19 18:31

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-6 (10')

Sampled: 10/3/2019 08:50

Sample ID: 19J0330-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	0.042	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:36	TG
Aroclor-1221 [1]	ND	0.093	0.069	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:36	TG
Aroclor-1232 [1]	ND	0.093	0.083	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:36	TG
Aroclor-1242 [1]	ND	0.093	0.069	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:36	TG
Aroclor-1248 [1]	ND	0.093	0.032	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:36	TG
Aroclor-1254 [1]	ND	0.093	0.037	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:36	TG
Aroclor-1260 [1]	ND	0.093	0.051	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:36	TG
Aroclor-1262 [1]	ND	0.093	0.046	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:36	TG
Aroclor-1268 [1]	ND	0.093	0.074	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:36	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		88.6	30-150						10/14/19 21:36	
Decachlorobiphenyl [2]		93.6	30-150						10/14/19 21:36	
Tetrachloro-m-xylene [1]		99.0	30-150						10/14/19 21:36	
Tetrachloro-m-xylene [2]		103	30-150						10/14/19 21:36	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-6 (10')

Sampled: 10/3/2019 08:50

Sample ID: 19J0330-20

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	2.3	1.9	0.37	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:07	TBC/MJH
Barium	56	1.9	0.41	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:07	TBC/MJH
Cadmium	0.13	0.19	0.069	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 20:07	TBC/MJH
Chromium	10	0.38	0.27	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:07	TBC/MJH
Lead	17	0.57	0.23	mg/Kg dry	1	J MS-07	SW-846 6010D	10/11/19	10/14/19 20:07	TBC/MJH
Mercury	0.023	0.029	0.0088	mg/Kg dry	1	J	SW-846 7471B	10/11/19	10/12/19 12:54	AJL
Selenium	ND	3.8	1.9	mg/Kg dry	1	UJ MS-07	SW-846 6010D	10/11/19	10/14/19 20:07	TBC/MJH
Silver	ND	0.38	0.17	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:07	TBC/MJH



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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-6 (10')

Sampled: 10/3/2019 08:50

Sample ID: 19J0330-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.5		% Wt	1		SM 2540G	10/11/19	10/12/19 9:40	ADB + CBN

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (10')

Sampled: 10/2/2019 13:55

Sample ID: 19J0330-21

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.027	0.10	0.0087	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Acrylonitrile	ND	0.0062	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0010	0.00031	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Benzene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Bromobenzene	ND	0.0021	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Bromochloromethane	ND	0.0042	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Bromodichloromethane	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Bromoform	ND	0.0042	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Bromomethane	ND	0.010	0.0011	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
2-Butanone (MEK)	ND	0.042	0.0057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
tert-Butyl Alcohol (TBA)	ND	0.042	0.0047	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
n-Butylbenzene	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
sec-Butylbenzene	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
tert-Butylbenzene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	0.00021	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Carbon Disulfide	ND	0.0062	0.0056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Carbon Tetrachloride	ND	0.0021	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Chlorobenzene	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Chlorodibromomethane	ND	0.0021	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Chloroethane	ND	0.021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Chloroform	ND	0.0042	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Chloromethane	ND	0.010	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
2-Chlorotoluene	ND	0.0021	0.00031	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
4-Chlorotoluene	ND	0.0021	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Dibromomethane	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,2-Dichlorobenzene	ND	0.0021	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,3-Dichlorobenzene	ND	0.0021	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,4-Dichlorobenzene	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
trans-1,4-Dichloro-2-butene	ND	0.0042	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,1-Dichloroethane	ND	0.0021	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,2-Dichloroethane	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,1-Dichloroethylene	ND	0.0042	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
cis-1,2-Dichloroethylene	ND	0.0021	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
trans-1,2-Dichloroethylene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,2-Dichloropropane	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,3-Dichloropropane	ND	0.0010	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
2,2-Dichloropropane	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,1-Dichloropropene	ND	0.0042	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
cis-1,3-Dichloropropene	ND	0.0010	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
trans-1,3-Dichloropropene	ND	0.0010	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Diethyl Ether	ND	0.021	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (10')

Sampled: 10/2/2019 13:55

Sample ID: 19J0330-21

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0010	0.00021	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,4-Dioxane	ND	0.10	0.0055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Ethylbenzene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Hexachlorobutadiene	ND	0.0021	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
2-Hexanone (MBK)	ND	0.021	0.0021	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Isopropylbenzene (Cumene)	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Methyl Acetate	ND	0.0021	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0042	0.00031	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Methyl Cyclohexane	ND	0.0021	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Methylene Chloride	0.011	0.021	0.0010	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	0.0026	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Naphthalene	ND	0.0042	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
n-Propylbenzene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Styrene	ND	0.0021	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Tetrachloroethylene	ND	0.0021	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Tetrahydrofuran	ND	0.010	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Toluene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,2,3-Trichlorobenzene	ND	0.0021	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,2,4-Trichlorobenzene	ND	0.0021	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,3,5-Trichlorobenzene	ND	0.0021	0.00031	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,1,1-Trichloroethane	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,1,2-Trichloroethane	ND	0.0021	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Trichloroethylene	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,2,3-Trichloropropane	ND	0.0042	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,2,4-Trimethylbenzene	ND	0.0021	0.00031	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
1,3,5-Trimethylbenzene	ND	0.0021	0.00052	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
Vinyl Chloride	ND	0.010	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
m+p Xylene	ND	0.0042	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF
o-Xylene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:26	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	94.4	70-130	10/8/19 13:26
Toluene-d8	118	70-130	10/8/19 13:26
4-Bromofluorobenzene	105	70-130	10/8/19 13:26

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (10')

Sampled: 10/2/2019 13:55

Sample ID: 19J0330-21

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Acenaphthylene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Acetophenone	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Aniline	ND	0.38	0.089	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Anthracene	ND	0.19	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Benzidine	ND	0.73	0.20	mg/Kg dry	1	R MS-09, R-05, V-05, V-35	SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Benzo(a)anthracene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Benzo(a)pyrene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Benzo(b)fluoranthene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Benzo(g,h,i)perylene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Benzo(k)fluoranthene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Benzoic Acid	ND	1.1	0.65	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Bis(2-chloroethoxy)methane	ND	0.38	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Bis(2-chloroethyl)ether	ND	0.38	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Bis(2-chloroisopropyl)ether	ND	0.38	0.26	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
4-Bromophenylphenylether	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Butylbenzylphthalate	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Carbazole	ND	0.19	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
4-Chloroaniline	ND	0.73	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
4-Chloro-3-methylphenol	ND	0.73	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2-Chloronaphthalene	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2-Chlorophenol	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
4-Chlorophenylphenylether	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Chrysene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Dibenz(a,h)anthracene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Dibenzofuran	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Di-n-butylphthalate	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
1,2-Dichlorobenzene	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
1,3-Dichlorobenzene	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
1,4-Dichlorobenzene	ND	0.38	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
3,3-Dichlorobenzidine	ND	0.19	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2,4-Dichlorophenol	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Diethylphthalate	ND	0.38	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2,4-Dimethylphenol	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Dimethylphthalate	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
4,6-Dinitro-2-methylphenol	ND	0.38	0.33	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2,4-Dinitrophenol	ND	0.73	0.51	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2,4-Dinitrotoluene	ND	0.38	0.18	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2,6-Dinitrotoluene	ND	0.38	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Di-n-octylphthalate	ND	0.38	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Fluoranthene	ND	0.19	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (10')

Sampled: 10/2/2019 13:55

Sample ID: 19J0330-21

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluorene	ND	0.19	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Hexachlorobenzene	ND	0.38	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Hexachlorobutadiene	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Hexachlorocyclopentadiene	ND	0.38	0.31	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Hexachloroethane	ND	0.38	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Indeno(1,2,3-cd)pyrene	ND	0.19	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Isophorone	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
1-Methylnaphthalene	ND	0.19	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2-Methylnaphthalene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2-Methylphenol	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
3/4-Methylphenol	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Naphthalene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2-Nitroaniline	ND	0.38	0.22	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
3-Nitroaniline	ND	0.38	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
4-Nitroaniline	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Nitrobenzene	ND	0.38	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2-Nitrophenol	ND	0.38	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
4-Nitrophenol	ND	0.73	0.27	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
N-Nitrosodimethylamine	ND	0.38	0.20	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
N-Nitrosodi-n-propylamine	ND	0.38	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Pentachloronitrobenzene	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Pentachlorophenol	ND	0.38	0.26	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Phenanthrene	ND	0.19	0.10	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Phenol	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Pyrene	ND	0.19	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
Pyridine	ND	0.38	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
1,2,4-Trichlorobenzene	ND	0.38	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2,4,5-Trichlorophenol	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB
2,4,6-Trichlorophenol	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 11:41	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	77.4	30-130	10/9/19 11:41
Phenol-d6	78.9	30-130	10/9/19 11:41
Nitrobenzene-d5	73.7	30-130	10/9/19 11:41
2-Fluorobiphenyl	84.5	30-130	10/9/19 11:41
2,4,6-Tribromophenol	92.4	30-130	10/9/19 11:41
p-Terphenyl-d14	109	30-130	10/9/19 11:41

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (10')

Sampled: 10/2/2019 13:55

Sample ID: 19J0330-21

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	0.040	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:48	TG
Aroclor-1221 [1]	ND	0.090	0.067	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:48	TG
Aroclor-1232 [1]	ND	0.090	0.081	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:48	TG
Aroclor-1242 [1]	ND	0.090	0.067	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:48	TG
Aroclor-1248 [1]	ND	0.090	0.031	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:48	TG
Aroclor-1254 [1]	ND	0.090	0.036	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:48	TG
Aroclor-1260 [1]	ND	0.090	0.049	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:48	TG
Aroclor-1262 [1]	ND	0.090	0.045	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:48	TG
Aroclor-1268 [1]	ND	0.090	0.072	mg/Kg dry	4		SW-846 8082A	10/11/19	10/14/19 21:48	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		88.2	30-150						10/14/19 21:48	
Decachlorobiphenyl [2]		93.3	30-150						10/14/19 21:48	
Tetrachloro-m-xylene [1]		94.5	30-150						10/14/19 21:48	
Tetrachloro-m-xylene [2]		97.7	30-150						10/14/19 21:48	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (10')

Sampled: 10/2/2019 13:55

Sample ID: 19J0330-21

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.0	1.9	0.37	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:19	TBC/MJH
Barium	72	1.9	0.41	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:19	TBC/MJH
Cadmium	0.12	0.19	0.069	mg/Kg dry	1	J	SW-846 6010D	10/11/19	10/14/19 20:19	TBC/MJH
Chromium	10	0.38	0.28	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:19	TBC/MJH
Lead	12	0.57	0.23	mg/Kg dry	1	J-	SW-846 6010D	10/11/19	10/14/19 20:19	TBC/MJH
Mercury	0.017	0.028	0.0084	mg/Kg dry	1	J	SW-846 7471B	10/11/19	10/12/19 12:56	AJL
Selenium	ND	3.8	1.9	mg/Kg dry	1	UJ	SW-846 6010D	10/11/19	10/14/19 20:19	TBC/MJH
Silver	ND	0.38	0.17	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:19	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-12 (10')

Sampled: 10/2/2019 13:55

Sample ID: 19J0330-21

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
% Solids	89.2		% Wt	1		SM 2540G	10/11/19	10/12/19 9:40	ADB + CBN

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-7 (0-2')

Sampled: 10/2/2019 16:05

Sample ID: 19J0330-22

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	0.0087	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Acrylonitrile	ND	0.0062	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0010	0.00031	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Benzene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Bromobenzene	ND	0.0021	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Bromochloromethane	ND	0.0041	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Bromodichloromethane	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Bromoform	ND	0.0041	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Bromomethane	ND	0.010	0.0011	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
2-Butanone (MEK)	ND	0.041	0.0057	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
tert-Butyl Alcohol (TBA)	ND	0.041	0.0047	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
n-Butylbenzene	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
sec-Butylbenzene	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
tert-Butylbenzene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	0.00021	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Carbon Disulfide	ND	0.0062	0.0056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Carbon Tetrachloride	ND	0.0021	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Chlorobenzene	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Chlorodibromomethane	ND	0.0021	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Chloroethane	ND	0.021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Chloroform	ND	0.0041	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Chloromethane	ND	0.010	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
2-Chlorotoluene	ND	0.0021	0.00031	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
4-Chlorotoluene	ND	0.0021	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Dibromomethane	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,2-Dichlorobenzene	ND	0.0021	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,3-Dichlorobenzene	ND	0.0021	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,4-Dichlorobenzene	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
trans-1,4-Dichloro-2-butene	ND	0.0041	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,1-Dichloroethane	ND	0.0021	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,2-Dichloroethane	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,1-Dichloroethylene	ND	0.0041	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
cis-1,2-Dichloroethylene	ND	0.0021	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
trans-1,2-Dichloroethylene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,2-Dichloropropane	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,3-Dichloropropane	ND	0.0010	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
2,2-Dichloropropane	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,1-Dichloropropene	ND	0.0041	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
cis-1,3-Dichloropropene	ND	0.0010	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
trans-1,3-Dichloropropene	ND	0.0010	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Diethyl Ether	ND	0.021	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-7 (0-2')

Sampled: 10/2/2019 16:05

Sample ID: 19J0330-22

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0010	0.00021	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,4-Dioxane	ND	0.10	0.0055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Ethylbenzene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Hexachlorobutadiene	ND	0.0021	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
2-Hexanone (MBK)	ND	0.021	0.0021	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Isopropylbenzene (Cumene)	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Methyl Acetate	ND	0.0021	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0041	0.00031	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Methyl Cyclohexane	ND	0.0021	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Methylene Chloride	ND	0.021	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	0.0026	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Naphthalene	ND	0.0041	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
n-Propylbenzene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Styrene	ND	0.0021	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Tetrachloroethylene	ND	0.0021	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Tetrahydrofuran	ND	0.010	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Toluene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,2,3-Trichlorobenzene	ND	0.0021	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,2,4-Trichlorobenzene	ND	0.0021	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,3,5-Trichlorobenzene	ND	0.0021	0.00031	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,1,1-Trichloroethane	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,1,2-Trichloroethane	ND	0.0021	0.00041	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Trichloroethylene	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	0.00073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,2,3-Trichloropropane	ND	0.0041	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,2,4-Trimethylbenzene	ND	0.0021	0.00031	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
1,3,5-Trimethylbenzene	ND	0.0021	0.00052	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Vinyl Chloride	ND	0.010	0.00093	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
m+p Xylene	ND	0.0041	0.0010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
o-Xylene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 13:53	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		98.9	70-130						10/8/19 13:53	
Toluene-d8		108	70-130						10/8/19 13:53	
4-Bromofluorobenzene		105	70-130						10/8/19 13:53	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-7 (0-2')

Sampled: 10/2/2019 16:05

Sample ID: 19J0330-22

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	0.097	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Acenaphthylene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Acetophenone	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Aniline	ND	0.37	0.086	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Anthracene	ND	0.18	0.097	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Benzidine	ND	0.71	0.19	mg/Kg dry	1	R-05, V-05, V-35	SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Benzo(a)anthracene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Benzo(a)pyrene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Benzo(b)fluoranthene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Benzo(g,h,i)perylene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Benzo(k)fluoranthene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Benzoic Acid	ND	1.1	0.64	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Bis(2-chloroethoxy)methane	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Bis(2-chloroethyl)ether	ND	0.37	0.18	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Bis(2-chloroisopropyl)ether	ND	0.37	0.25	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
4-Bromophenylphenylether	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Butylbenzylphthalate	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Carbazole	ND	0.18	0.097	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
4-Chloroaniline	ND	0.71	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
4-Chloro-3-methylphenol	ND	0.71	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2-Chloronaphthalene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2-Chlorophenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
4-Chlorophenylphenylether	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Chrysene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Dibenz(a,h)anthracene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Dibenzofuran	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Di-n-butylphthalate	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
1,2-Dichlorobenzene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
1,3-Dichlorobenzene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
1,4-Dichlorobenzene	ND	0.37	0.097	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
3,3-Dichlorobenzidine	ND	0.18	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2,4-Dichlorophenol	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Diethylphthalate	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2,4-Dimethylphenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Dimethylphthalate	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
4,6-Dinitro-2-methylphenol	ND	0.37	0.32	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2,4-Dinitrophenol	ND	0.71	0.50	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2,4-Dinitrotoluene	ND	0.37	0.17	mg/Kg dry	1	V-20	SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2,6-Dinitrotoluene	ND	0.37	0.17	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Di-n-octylphthalate	ND	0.37	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Fluoranthene	ND	0.18	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Fluorene	ND	0.18	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-7 (0-2')

Sampled: 10/2/2019 16:05

Sample ID: 19J0330-22

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.37	0.097	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Hexachlorobutadiene	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Hexachlorocyclopentadiene	ND	0.37	0.30	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Hexachloroethane	ND	0.37	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Indeno(1,2,3-cd)pyrene	ND	0.18	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Isophorone	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
1-Methylnaphthalene	ND	0.18	0.097	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2-Methylnaphthalene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2-Methylphenol	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
3/4-Methylphenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Naphthalene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2-Nitroaniline	ND	0.37	0.22	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
3-Nitroaniline	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
4-Nitroaniline	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Nitrobenzene	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2-Nitrophenol	ND	0.37	0.15	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
4-Nitrophenol	ND	0.71	0.26	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
N-Nitrosodimethylamine	ND	0.37	0.19	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
N-Nitrosodi-n-propylamine	ND	0.37	0.16	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Pentachloronitrobenzene	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Pentachlorophenol	ND	0.37	0.25	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Phenanthrene	ND	0.18	0.097	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Phenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Pyrene	ND	0.18	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
Pyridine	ND	0.37	0.11	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.37	0.14	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
1,2,4-Trichlorobenzene	ND	0.37	0.12	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2,4,5-Trichlorophenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB
2,4,6-Trichlorophenol	ND	0.37	0.13	mg/Kg dry	1		SW-846 8270D	10/8/19	10/9/19 12:06	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	72.9	30-130	10/9/19 12:06
Phenol-d6	61.8	30-130	10/9/19 12:06
Nitrobenzenc-d5	74.2	30-130	10/9/19 12:06
2-Fluorobiphenyl	79.8	30-130	10/9/19 12:06
2,4,6-Tribromophenol	74.7	30-130	10/9/19 12:06
p-Terphenyl-d14	86.9	30-130	10/9/19 12:06

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-7 (0-2')

Sampled: 10/2/2019 16:05

Sample ID: 19J0330-22

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	0.037	mg/Kg dry	4		SW-846 8082A	10/11/19	10/15/19 11:08	TG
Aroclor-1221 [1]	ND	0.081	0.061	mg/Kg dry	4		SW-846 8082A	10/11/19	10/15/19 11:08	TG
Aroclor-1232 [1]	ND	0.081	0.073	mg/Kg dry	4		SW-846 8082A	10/11/19	10/15/19 11:08	TG
Aroclor-1242 [1]	ND	0.081	0.061	mg/Kg dry	4		SW-846 8082A	10/11/19	10/15/19 11:08	TG
Aroclor-1248 [1]	ND	0.081	0.028	mg/Kg dry	4		SW-846 8082A	10/11/19	10/15/19 11:08	TG
Aroclor-1254 [1]	ND	0.081	0.033	mg/Kg dry	4		SW-846 8082A	10/11/19	10/15/19 11:08	TG
Aroclor-1260 [1]	ND	0.081	0.045	mg/Kg dry	4		SW-846 8082A	10/11/19	10/15/19 11:08	TG
Aroclor-1262 [1]	ND	0.081	0.041	mg/Kg dry	4		SW-846 8082A	10/11/19	10/15/19 11:08	TG
Aroclor-1268 [1]	ND	0.081	0.065	mg/Kg dry	4		SW-846 8082A	10/11/19	10/15/19 11:08	TG
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		83.0	30-150						10/15/19 11:08	
Decachlorobiphenyl [2]		90.2	30-150						10/15/19 11:08	
Tetrachloro-m-xylene [1]		89.7	30-150						10/15/19 11:08	
Tetrachloro-m-xylene [2]		95.5	30-150						10/15/19 11:08	

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-7 (0-2')

Sampled: 10/2/2019 16:05

Sample ID: 19J0330-22

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.0	1.8	0.35	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:25	TBC/MJH
Barium	88	1.8	0.39	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:25	TBC/MJH
Cadmium	0.24	0.18	0.065	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:25	TBC/MJH
Chromium	13	0.36	0.26	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:25	TBC/MJH
Lead	41	0.54	0.22	mg/Kg dry	1	J -	SW-846 6010D	10/11/19	10/14/19 20:25	TBC/MJH
Mercury	0.12	0.027	0.0081	mg/Kg dry	1		SW-846 7471B	10/11/19	10/12/19 12:57	AJL
Selenium	ND	3.6	1.8	mg/Kg dry	1	UJ	SW-846 6010D	10/11/19	10/14/19 20:25	TBC/MJH
Silver	ND	0.36	0.16	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 20:25	TBC/MJH

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

Project Location: Thompsons Mill

Sample Description:

Work Order: 19J0330

Date Received: 10/4/2019

Field Sample #: TP-7 (0-2')

Sample ID: 19J0330-22

Sample Matrix: Soil

Sampled: 10/2/2019 16:05

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.9		% Wt	1		SM 2540G	10/11/19	10/12/19 9:40	ADB + CBM



Geology

Hydrology

Remediation

Water Supply

**Data Usability Summary Report
for Con-Test Analytical Laboratory
Work Order No: 19J0393**

**3 Soil Samples
Collected October 4, 2019**

Prepared by: Donald Anné
December 11, 2019

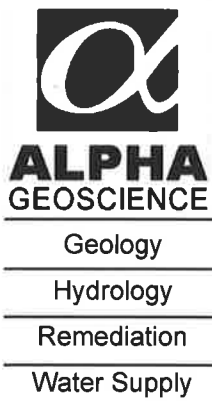
The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of volatile, semi-volatile, PCB, total metal and TCLP lead analyses for 3 soil samples.

The overall performances of the analyses are acceptable. Con-Test Analytical Laboratory did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The “not detected” semi-volatile results for benzoic acid, 2,4-dinitrophenol, and hexachlorocyclopentadiene were qualified as “estimated” (UJ) in sample TP-2 (0-2’) because 2 of 2 percent recoveries for benzoic acid, 2,4-dinitrophenol, and hexachlorocyclopentadiene were below control limits, but not below 10% in the associated soil LCS/LCSD sample.
- The “not detected” semi-volatile result for pyridine was qualified as “estimated” (UJ) in sample TP-2 (0-2’) because 1 of 2 percent recoveries for pyridine was below control limits, but not below 10% in the associated soil LCS/LCSD sample.
- The positive metal results for arsenic, barium, cadmium, chromium, lead, and mercury were qualified as “estimated” (J) in sample TP-2 (0-2’) because the percent solids for sample TP-2 (0-2’) was below 50%, but not below 10%.

All data are considered usable with estimated (J or UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



**QA/QC Review of Method 8260C Volatiles Data for
Con-Test Analytical Laboratory, Work Order No: 19J0393**

**3 Soil Samples
Collected October 4, 2019**

Prepared by: Donald Anné
December 11, 2019

Holding Times: Samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for bromodichloromethane, tetrachloroethylene, and trichloroethylene were below the method minimums, but not below 0.010 for GCMSVOA4 on 06-03-19. No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The average RRFs for target compounds were below the allowable minimum (0.001 for 1,4-dioxane, 0.010 for all other compounds), as required.

The %RSDs for bromomethane and cyclohexane were above the allowable maximum (30%) for GCMSVOA4 on 06-03-19. Positive results for these compounds should be considered estimated (J) in associated samples.

Continuing Calibration: The RRFs for chlorodibromomethane and tetrachloroethylene were below the method minimums, but not below 0.010 on 10-08-19 (S041203-CCV1). The %Ds for bromoform, 1,2-dibromoethane, and cis-1,3-dichloropropene were above the method maximum on 10-08-19 (S041203-CCV1). The %Ds for bromomethane and chloromethane were above the method maximum on 10-08-19 (S041216-CCV1). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The RRFs for target compounds were above the allowable minimum (0.0005 for 1,4-dioxane, 0.010 for all other compounds), as required.

The %Ds for bromomethane and chloromethane were above the allowable maximum (25%) on 10-08-19 (S041216-CCV1). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analyses of the method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximum and the percent recoveries (%Rs) were within QC limits for soil samples B242450-BS1 and B242450-BSD1.

The RPD for 1,3,5-trimethylbenzene was above the allowable maximum and 1 of 2 %Rs for 1,1,1,2-tetrachloroethane was above QC limits for soil samples B242520-BS1 and B242520-BSD1. Positive results for 1,3,5-trimethylbenzene should be considered estimated (J) and positive results for 1,1,1,2-tetrachloroethane should be considered estimated, biased high (J+) in associated soil samples.

Compound ID: Checked compounds were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0393
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B242520	Laboratory ID:	B242520-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
Acetone	0.200	0.176	88.0	70 - 160
Acrylonitrile	0.0200	0.0205	102	70 - 130
tert-Amyl Methyl Ether (TAME)	0.0200	0.0202	101	70 - 130
Benzene	0.0200	0.0175	87.6	70 - 130
Bromobenzene	0.0200	0.0245	123	70 - 130
Bromochloromethane	0.0200	0.0226	113	70 - 130
Bromodichloromethane	0.0200	0.0245	122	70 - 130
Bromoform	0.0200	0.0249	124	70 - 130
Bromomethane	0.0200	0.0177	88.4	40 - 130
2-Butanone (MEK)	0.200	0.198	99.1	70 - 160
tert-Butyl Alcohol (TBA)	0.200	0.196	98.0	40 - 130
n-Butylbenzene	0.0200	0.0187	93.3	70 - 130
sec-Butylbenzene	0.0200	0.0211	106	70 - 130
tert-Butylbenzene	0.0200	0.0224	112	70 - 160
tert-Butyl Ethyl Ether (TBEE)	0.0200	0.0198	98.8	70 - 130
Carbon Disulfide	0.0200	0.0178	88.8	70 - 130
Carbon Tetrachloride	0.0200	0.0216	108	70 - 130
Chlorobenzene	0.0200	0.0212	106	70 - 130
Chlorodibromomethane	0.0200	0.0209	104	70 - 130
Chloroethane	0.0200	0.0193	96.7	70 - 130
Chloroform	0.0200	0.0210	105	70 - 130
Chloromethane	0.0200	0.0172	85.9	70 - 130
2-Chlorotoluene	0.0200	0.0238	119	70 - 130
4-Chlorotoluene	0.0200	0.0234	117	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0206	103	70 - 130
1,2-Dibromoethane (EDB)	0.0200	0.0197	98.4	70 - 130
Dibromomethane	0.0200	0.0217	109	70 - 130
1,2-Dichlorobenzene	0.0200	0.0200	99.8	70 - 130
1,3-Dichlorobenzene	0.0200	0.0202	101	70 - 130
1,4-Dichlorobenzene	0.0200	0.0189	94.6	70 - 130
trans-1,4-Dichloro-2-butene	0.0200	0.0219	110	70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.0172	86.0	40 - 160
1,1-Dichloroethane	0.0200	0.0217	108	70 - 130
1,2-Dichloroethane	0.0200	0.0220	110	70 - 130
1,1-Dichloroethylene	0.0200	0.0177	88.5	70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0214	107	70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0201	101	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0393
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B242520	Laboratory ID:	B242520-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
1,2-Dichloropropane	0.0200	0.0196	97.8	70 - 130
1,3-Dichloropropane	0.0200	0.0187	93.5	70 - 130
2,2-Dichloropropane	0.0200	0.0207	103	70 - 130
1,1-Dichloropropene	0.0200	0.0194	96.9	70 - 130
cis-1,3-Dichloropropene	0.0200	0.0217	108	70 - 130
trans-1,3-Dichloropropene	0.0200	0.0216	108	70 - 130
Diethyl Ether	0.0200	0.0189	94.6	70 - 130
Diisopropyl Ether (DIPE)	0.0200	0.0194	97.2	70 - 130
1,4-Dioxane	0.200	0.202	101	40 - 160
Ethylbenzene	0.0200	0.0226	113	70 - 130
Hexachlorobutadiene	0.0200	0.0244	122	70 - 160
2-Hexanone (MBK)	0.200	0.171	85.4	70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0235	118	70 - 130
p-Isopropyltoluene (p-Cymene)	0.0200	0.0205	102	70 - 130
Methyl Acetate	0.0200	0.0167	83.7	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0219	109	70 - 130
Methyl Cyclohexane	0.0200	0.0173	86.5	70 - 130
Methylene Chloride	0.0200	0.0169	84.7	40 - 160
4-Methyl-2-pentanone (MIBK)	0.200	0.199	99.5	70 - 160
Naphthalene	0.0200	0.0156	78.1	40 - 130
n-Propylbenzene	0.0200	0.0236	118	70 - 130
Styrene	0.0200	0.0235	118	70 - 130
1,1,1,2-Tetrachloroethane	0.0200	0.0262	131 *	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0221	110	70 - 130
Tetrachloroethylene	0.0200	0.0246	123	70 - 130
Tetrahydrofuran	0.0200	0.0183	91.5	70 - 130
Toluene	0.0200	0.0186	92.9	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0200	100	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0194	97.2	70 - 130
1,3,5-Trichlorobenzene	0.0200	0.0205	103	70 - 130
1,1,1-Trichloroethane	0.0200	0.0215	108	70 - 130
1,1,2-Trichloroethane	0.0200	0.0218	109	70 - 130
Trichloroethylene	0.0200	0.0216	108	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0197	98.3	70 - 130
1,2,3-Trichloropropane	0.0200	0.0237	119	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.0173	86.6	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0393
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B242520	Laboratory ID:	B242520-BS1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
1,2,4-Trimethylbenzene	0.0200	0.0213	107	70 - 130
1,3,5-Trimethylbenzene	0.0200	0.0237	118	70 - 130
Vinyl Chloride	0.0200	0.0196	98.0	40 - 130
m+p Xylene	0.0400	0.0481	120	70 - 130
o-Xylene	0.0200	0.0230	115	70 - 130

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	RPD	QC LIMITS REC.
Acetone	0.200	0.190	94.8	7.46	25	70 - 160
Acrylonitrile	0.0200	0.0193	96.6	5.83	25	70 - 130
tert-Amyl Methyl Ether (TAME)	0.0200	0.0192	95.9	4.98	25	70 - 130
Benzene	0.0200	0.0159	79.6	9.57	25	70 - 130
Bromobenzene	0.0200	0.0204	102	18.3	25	70 - 130
Bromochloromethane	0.0200	0.0220	110	2.87	25	70 - 130
Bromodichloromethane	0.0200	0.0240	120	2.15	25	70 - 130
Bromoform	0.0200	0.0213	107	15.2	25	70 - 130
Bromomethane	0.0200	0.0169	84.6	4.39	25	40 - 130
2-Butanone (MEK)	0.200	0.183	91.3	8.13	25	70 - 160
tert-Butyl Alcohol (TBA)	0.200	0.189	94.3	3.86	25	40 - 130
n-Butylbenzene	0.0200	0.0159	79.4	16.1	25	70 - 130
sec-Butylbenzene	0.0200	0.0194	97.2	8.28	25	70 - 130
tert-Butylbenzene	0.0200	0.0178	88.9	23.2	25	70 - 160
tert-Butyl Ethyl Ether (TBEE)	0.0200	0.0196	98.0	0.813	25	70 - 130
Carbon Disulfide	0.0200	0.0181	90.5	1.90	25	70 - 130
Carbon Tetrachloride	0.0200	0.0207	104	4.16	25	70 - 130
Chlorobenzene	0.0200	0.0203	101	4.35	25	70 - 130
Chlorodibromomethane	0.0200	0.0244	122	15.7	25	70 - 130
Chloroethane	0.0200	0.0192	95.9	0.831	25	70 - 130
Chloroform	0.0200	0.0199	99.5	5.28	25	70 - 130
Chloromethane	0.0200	0.0167	83.3	3.07	25	70 - 130
2-Chlorotoluene	0.0200	0.0220	110	7.69	25	70 - 130
4-Chlorotoluene	0.0200	0.0188	93.8	21.8	25	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0164	82.0	22.5	25	70 - 130
1,2-Dibromoethane (EDB)	0.0200	0.0236	118	17.9	25	70 - 130
Dibromomethane	0.0200	0.0198	99.0	9.25	25	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0393
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B242520	Laboratory ID:	B242520-BSD1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,2-Dichlorobenzene	0.0200	0.0167	83.3	18.0	25	70 - 130
1,3-Dichlorobenzene	0.0200	0.0199	99.5	1.50	25	70 - 130
1,4-Dichlorobenzene	0.0200	0.0178	89.1	5.99	25	70 - 130
trans-1,4-Dichloro-2-butene	0.0200	0.0186	92.8	16.6	25	70 - 130
Dichlorodifluoromethane (Freon 12)	0.0200	0.0160	79.9	7.35	25	40 - 160
1,1-Dichloroethane	0.0200	0.0212	106	2.24	25	70 - 130
1,2-Dichloroethane	0.0200	0.0219	109	0.547	25	70 - 130
1,1-Dichloroethylene	0.0200	0.0199	99.5	11.7	25	70 - 130
cis-1,2-Dichloroethylene	0.0200	0.0206	103	4.10	25	70 - 130
trans-1,2-Dichloroethylene	0.0200	0.0209	104	3.80	25	70 - 130
1,2-Dichloropropane	0.0200	0.0190	94.8	3.12	25	70 - 130
1,3-Dichloropropane	0.0200	0.0226	113	18.8	25	70 - 130
2,2-Dichloropropane	0.0200	0.0196	97.9	5.46	25	70 - 130
1,1-Dichloropropene	0.0200	0.0212	106	8.78	25	70 - 130
cis-1,3-Dichloropropene	0.0200	0.0251	126	14.5	25	70 - 130
trans-1,3-Dichloropropene	0.0200	0.0206	103	4.93	25	70 - 130
Diethyl Ether	0.0200	0.0160	79.9	16.8	25	70 - 130
Diisopropyl Ether (DIPE)	0.0200	0.0196	98.0	0.820	25	70 - 130
1,4-Dioxane	0.200	0.181	90.4	10.8	50	40 - 160
Ethylbenzene	0.0200	0.0204	102	10.1	25	70 - 130
Hexachlorobutadiene	0.0200	0.0196	97.9	21.8	25	70 - 160
2-Hexanone (MBK)	0.200	0.206	103	18.8	25	70 - 160
Isopropylbenzene (Cumene)	0.0200	0.0196	97.8	18.3	25	70 - 130
p-Isopropyltoluene (p-Cymene)	0.0200	0.0198	98.8	3.48	25	70 - 130
Methyl Acetate	0.0200	0.0173	86.5	3.29	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0200	0.0222	111	1.63	25	70 - 130
Methyl Cyclohexane	0.0200	0.0186	93.0	7.24	25	70 - 130
Methylene Chloride	0.0200	0.0192	96.0	12.5	25	40 - 160
4-Methyl-2-pentanone (MIBK)	0.200	0.206	103	3.43	25	70 - 160
Naphthalene	0.0200	0.0131	65.3	17.9	25	40 - 130
n-Propylbenzene	0.0200	0.0204	102	14.4	25	70 - 130
Styrene	0.0200	0.0203	102	14.6	25	70 - 130
1,1,1,2-Tetrachloroethane	0.0200	0.0231	116	12.6	25	70 - 130
1,1,2,2-Tetrachloroethane	0.0200	0.0220	110	0.363	25	70 - 130
Tetrachloroethylene	0.0200	0.0255	127	3.44	25	70 - 130
Tetrahydrofuran	0.0200	0.0180	90.1	1.54	25	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0393
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B242520	Laboratory ID:	B242520-BSD1
Column:		Initial/Final:	5 g / 10 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Toluene	0.0200	0.0201	100	7.76	25	70 - 130
1,2,3-Trichlorobenzene	0.0200	0.0163	81.7	20.1	25	70 - 130
1,2,4-Trichlorobenzene	0.0200	0.0168	83.9	14.7	25	70 - 130
1,3,5-Trichlorobenzene	0.0200	0.0171	85.7	18.0	25	70 - 130
1,1,1-Trichloroethane	0.0200	0.0195	97.6	9.65	25	70 - 130
1,1,2-Trichloroethane	0.0200	0.0236	118	8.01	25	70 - 130
Trichloroethylene	0.0200	0.0226	113	4.52	25	70 - 130
Trichlorofluoromethane (Freon 11)	0.0200	0.0196	97.8	0.510	25	70 - 130
1,2,3-Trichloropropane	0.0200	0.0205	103	14.5	25	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroeth ane (Freon 113)	0.0200	0.0221	111	24.3	25	70 - 130
1,2,4-Trimethylbenzene	0.0200	0.0187	93.5	13.2	25	70 - 130
1,3,5-Trimethylbenzene	0.0200	0.0183	91.4	25.7 *	25	70 - 130
Vinyl Chloride	0.0200	0.0186	93.1	5.13	25	40 - 130
m+p Xylene	0.0400	0.0400	100	18.3	25	70 - 130
o-Xylene	0.0200	0.0208	104	10.1	25	70 - 130

INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C-D

Laboratory: Con-Test Analytical Laboratory
 Client: Weston & Sampson - Albany, NY
 Calibration: 1900195

Work Order: 19J0393
 Project: Thompson Mill
 Instrument: GCMSVOA4
 Calibration Date: 6/3/2019 6:37:02AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Acetone	0.1323334	4.9			15	
Acrylonitrile	0.1827163	8.1			15	
tert-Amyl Methyl Ether (TAME)	0.6020929	10.8			15	
Benzene	1.016513	7.5			15	
Bromobenzene	0.6797344	6.0			15	
Bromochloromethane	0.1491653	6.5			15	
Bromodichloromethane	0.1607757	13.8			15	
Bromoform	0.2842803	10.5			15	
Bromomethane	0.2646063	65.1				
2-Butanone (MEK)	0.2505012	9.2			15	
tert-Butyl Alcohol (TBA)	5.389341E-02	10.7			15	
n-Butylbenzene	1.498723	9.8			15	
sec-Butylbenzene	0.3753634	13.6			15	
tert-Butylbenzene	1.279774	6.4			15	
tert-Butyl Ethyl Ether (TBEE)	0.9715114	7.0			15	
Carbon Disulfide	0.5850267	5.6			15	
Carbon Tetrachloride	0.3674599	11.3			15	
Chlorobenzene	1.129254	3.6			15	
Chlorodibromomethane	0.1469712	9.8			15	
Chloroethane	0.1633779	13.0			15	
Chloroform	0.479242	8.0			15	
Chloromethane	0.6473569	11.6			15	
2-Chlorotoluene	1.266486	8.1			15	
4-Chlorotoluene	1.490309	6.8			15	
Cyclohexane	0.907092	59.6				
1,2-Dibromo-3-chloropropane (DBCP)	8.602283E-02	10.2			15	
1,2-Dibromoethane (EDB)	0.1271825	5.8			15	
Dibromomethane	8.579724E-02	9.8			15	
1,2-Dichlorobenzene	0.8696371	7.7			15	
1,3-Dichlorobenzene	0.8855599	5.5			15	
1,4-Dichlorobenzene	0.9441266	6.0			15	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

147

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0393
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Calibration:	1900195	Instrument:	GCMSVOA4
		Calibration Date:	6/3/2019 6:37:02AM

COMPOUND	Mean RF	RF RSD	Linear r ²	Quad COD	LIMIT	Q
trans-1,4-Dichloro-2-butene	0.228071	11.1			15	
Dichlorodifluoromethane (Freon 12)	0.2966425	8.9			15	
1,1-Dichloroethane	0.5196352	7.8			15	
1,2-Dichloroethane	0.2849078	6.1			15	
1,1-Dichloroethylene	0.4249356	10.2			15	
cis-1,2-Dichloroethylene	0.5271954	7.0			15	
trans-1,2-Dichloroethylene	0.4656926	9.1			15	
1,2-Dichloropropane	0.1591117	6.6			15	
1,3-Dichloropropane	0.1972388	11.5			15	
2,2-Dichloropropane	0.4089595	7.7			15	
1,1-Dichloropropene	0.1097013	7.1			15	
cis-1,3-Dichloropropene	0.1953963	12.6			15	
trans-1,3-Dichloropropene	0.182882	9.1			15	
Diethyl Ether	0.1162305	10.3			15	
Diisopropyl Ether (DIPE)	1.564535	6.6			15	
1,4-Dioxane	1.687871E-03	29.8				
Ethanol	8.937206E-03	21.6				
Ethylbenzene	1.830223	7.0			15	
Hexachlorobutadiene	0.2996889	6.7			15	
2-Hexanone (MBK)	0.1875641	6.2			15	
Iodomethane	0.3237621	10.9			15	
Isopropylbenzene (Cumene)	0.4793733	11.8			15	
p-Isopropyltoluene (p-Cymene)	1.635366	6.0			15	
Methyl Acetate	0.459939	6.6			15	
Methyl tert-Butyl Ether (MTBE)	0.6663357	2.6			15	
Methyl Cyclohexane	0.2274408	6.4			15	
Methylene Chloride	0.6275776	8.4			15	
4-Methyl-2-pentanone (MIBK)	0.2626805	5.7			15	
Naphthalene	1.12205	28.0	0.999		0.99	
n-Propylbenzene	2.160499	6.5			15	
Styrene	1.187896	8.0			15	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

148

SW-846 8260C-D

Laboratory: Con-Test Analytical Laboratory
Client: Weston & Sampson - Albany, NY
Calibration: 1900195

Work Order: 19J0393
Project: Thompson Mill
Instrument: GCMSVOA4
Calibration Date: 6/3/2019 6:37:02AM

COMPOUND	Mean RF	RF RSD	Linear r ²	Quad COD	LIMIT	Q
1,1,1,2-Tetrachloroethane	0.3827312	11.3			15	
1,1,2,2-Tetrachloroethane	0.4839699	6.0			15	
Tetrachloroethylene	0.1491042	11.8			15	
Tetrahydrofuran	3.974057E-02	9.1			15	
Toluene	0.5932424	11.6			15	
1,2,3-Trichlorobenzene	0.4740036	13.4			15	
1,2,4-Trichlorobenzene	0.5480734	11.1			15	
1,3,5-Trichlorobenzene	0.5963089	11.2			15	
1,1,1-Trichloroethane	0.420453	6.5			15	
1,1,2-Trichloroethane	0.1017094	5.5			15	
Trichloroethylene	0.1815761	11.7			15	
Trichlorofluoromethane (Freon 11)	0.3755337	8.2			15	
1,2,3-Trichloropropane	0.152503	5.4			15	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.2071194	6.4			15	
1,2,4-Trimethylbenzene	1.509402	6.0			15	
1,3,5-Trimethylbenzene	1.542252	6.2			15	
Vinyl Acetate	1.155388	5.5			15	
Vinyl Chloride	0.3506729	5.9			15	
m+p Xylene	1.430983	8.0			15	
o-Xylene	1.479893	9.7			15	
1,2-Dichloroethane-d4	0.5093199	1.7			15	
Toluene-d8	0.8222333	0.5			15	
4-Bromofluorobenzene	0.9207177	1.2			15	

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0393
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Instrument ID:	GCMSVOA4	Calibration:	1900195
Lab File ID:	D19281004.D	Calibration Date:	06/03/19 06:37
Sequence:	S041203	Injection Date:	10/08/19
Lab Sample ID:	S041203-CCV1	Injection Time:	05:27

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR		% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV
Acetone	A	100	100	0.1323334	0.1322631	-0.05	20
Acrylonitrile	A	10.0	10.1	0.1827163	0.1848928	1.2	20
tert-Amyl Methyl Ether (TAME)	A	10.0	10.0	0.6020929	0.6025452	0.08	20
Benzene	A	10.0	9.39	1.016513	0.9544621	-6.1	20
Bromobenzene	A	10.0	10.5	0.6797344	0.711668	4.7	20
Bromochloromethane	A	10.0	10.0	0.1491653	0.1491228	-0.03	20
Bromodichloromethane	A	10.0	11.9	0.1607757	0.1912136	18.9	20
Bromoform	A	10.0	12.0	0.2842803	0.3416683	20.2	20
Bromomethane	A	10.0	11.5	0.2646063	0.1907188	14.7	20
2-Butanone (MEK)	A	100	96.7	0.2505012	0.2421822	-3.3	20
tert-Butyl Alcohol (TBA)	A	100	104	5.389341E-02	5.614375E-02	4.2	20
n-Butylbenzene	A	10.0	9.52	1.498723	1.426243	-4.8	20
sec-Butylbenzene	A	10.0	10.3	0.3753634	0.3879854	3.4	20
tert-Butylbenzene	A	10.0	10.4	1.279774	1.324333	3.5	20
tert-Butyl Ethyl Ether (TBEE)	A	10.0	10.3	0.9715114	0.9997035	2.9	20
Carbon Disulfide	A	100	105	0.5850267	0.6152931	5.2	20
Carbon Tetrachloride	A	10.0	10.9	0.3674599	0.4012918	9.2	20
Chlorobenzene	A	10.0	10.4	1.129254	1.171631	3.8	20
Chlorodibromomethane	A	10.0	11.8	0.1469712	0.1740177	18.4	20
Chloroethane	A	10.0	9.34	0.1633779	0.1525946	-6.6	20
Chloroform	A	10.0	9.19	0.479242	0.4402948	-8.1	20
Chloromethane	A	10.0	10.4	0.6473569	0.6743347	4.2	20
2-Chlorotoluene	A	10.0	10.4	1.266486	1.318904	4.1	20
4-Chlorotoluene	A	10.0	11.0	1.490309	1.644726	10.4	20
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	10.3	8.602283E-02	8.865739E-02	3.1	20
1,2-Dibromoethane (EDB)	A	10.0	12.4	0.1271825	0.1578515	24.1	20
Dibromomethane	A	10.0	11.1	8.579724E-02	9.551458E-02	11.3	20
1,2-Dichlorobenzene	A	10.0	9.39	0.8696371	0.8164558	-6.1	20
1,3-Dichlorobenzene	A	10.0	10.3	0.8855599	0.9110882	2.9	20

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0393
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Instrument ID:	GCMSVOA4	Calibration:	1900195
Lab File ID:	D19281004.D	Calibration Date:	06/03/19 06:37
Sequence:	S041203	Injection Date:	10/08/19
Lab Sample ID:	S041203-CCV1	Injection Time:	05:27

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dichlorobenzene	A	10.0	10.0	0.9441266	0.9439043		-0.02	20
trans-1,4-Dichloro-2-butene	A	10.0	9.59	0.228071	0.2188222		-4.1	20
Dichlorodifluoromethane (Freon 12)	A	10.0	9.65	0.2966425	0.2862464		-3.5	20
1,1-Dichloroethane	A	10.0	10.7	0.5196352	0.5551774		6.8	20
1,2-Dichloroethane	A	10.0	11.3	0.2849078	0.3223108		13.1	20
1,1-Dichloroethylene	A	10.0	10.4	0.4249356	0.4432024		4.3	20
cis-1,2-Dichloroethylene	A	10.0	10.5	0.5271954	0.5530401		4.9	20
trans-1,2-Dichloroethylene	A	10.0	11.1	0.4656926	0.515556		10.7	20
1,2-Dichloropropane	A	10.0	9.43	0.1591117	0.1499835		-5.7	20
1,3-Dichloropropane	A	10.0	12.0	0.1972388	0.2357169		19.5	20
2,2-Dichloropropane	A	10.0	10.0	0.4089595	0.4088212		-0.03	20
1,1-Dichloropropene	A	10.0	10.2	0.1097013	0.1121378		2.2	20
cis-1,3-Dichloropropene	A	10.0	12.1	0.1953963	0.2362855		20.9	20 *
trans-1,3-Dichloropropene	A	10.0	11.8	0.182882	0.2159854		18.1	20
Diethyl Ether	A	10.0	9.33	0.1162305	0.1084924		-6.7	20
Diisopropyl Ether (DIPE)	A	10.0	9.92	1.564535	1.552483		-0.8	20
1,4-Dioxane	A	100	103	1.687871E-03	1.753393E-03		2.9	20
Ethylbenzene	A	10.0	9.12	1.830223	1.66932		-8.8	20
Hexachlorobutadiene	A	10.0	11.5	0.2996889	0.3435357		14.6	20
2-Hexanone (MBK)	A	100	102	0.1875641	0.1917991		2.3	20
Isopropylbenzene (Cumene)	A	10.0	10.6	0.4793733	0.5086296		6.1	20
p-Isopropyltoluene (p-Cymene)	A	10.0	9.90	1.635366	1.618449		-1.0	20
Methyl Acetate	A	10.0	10.7	0.459939	0.4935429		7.3	20
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.5	0.6663357	0.6979969		4.8	20
Methyl Cyclohexane	A	10.0	10.0	0.2274408	0.2284098		0.4	20
Methylene Chloride	A	10.0	10.0	0.6275776	0.6289957		0.2	20
4-Methyl-2-pentanone (MIBK)	A	100	104	0.2626805	0.2724175		3.7	20
Naphthalene	L	10.0	8.01	1.12205	1.043451		-19.9	20
n-Propylbenzene	A	10.0	10.8	2.160499	2.330485		7.9	20

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0393
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Instrument ID:	GCMSVOA4	Calibration:	1900195
Lab File ID:	D19281004.D	Calibration Date:	06/03/19 06:37
Sequence:	S041203	Injection Date:	10/08/19
Lab Sample ID:	S041203-CCV1	Injection Time:	05:27

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR		% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV
Styrene	A	10.0	10.8	1.187896	1.279006	7.7	20
1,1,1,2-Tetrachloroethane	A	10.0	11.1	0.3827312	0.42351	10.7	20
1,1,2,2-Tetrachloroethane	A	10.0	10.6	0.4839699	0.510613	5.5	20
Tetrachloroethylene	A	10.0	11.8	0.1491042	0.1755775	17.8	20
Tetrahydrofuran	A	10.0	11.4	3.974057E-02	4.515455E-02	13.6	20
Toluene	A	10.0	9.99	0.5932424	0.5927037	-0.09	20
1,2,3-Trichlorobenzene	A	10.0	10.2	0.4740036	0.4854471	2.4	20
1,2,4-Trichlorobenzene	A	10.0	9.34	0.5480734	0.5118228	-6.6	20
1,3,5-Trichlorobenzene	A	10.0	9.57	0.5963089	0.5706424	-4.3	20
1,1,1-Trichloroethane	A	10.0	10.6	0.420453	0.4473685	6.4	20
1,1,2-Trichloroethane	A	10.0	11.0	0.1017094	0.1120496	10.2	20
Trichloroethylene	A	10.0	11.6	0.1815761	0.2101843	15.8	20
Trichlorofluoromethane (Freon 11)	A	10.0	11.3	0.3755337	0.4240752	12.9	20
1,2,3-Trichloropropane	A	10.0	11.0	0.152503	0.1679425	10.1	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	10.2	0.2071194	0.2110937	1.9	20
1,2,4-Trimethylbenzene	A	10.0	10.0	1.509402	1.513542	0.3	20
1,3,5-Trimethylbenzene	A	10.0	10.6	1.542252	1.637335	6.2	20
Vinyl Chloride	A	10.0	10.0	0.3506729	0.3525787	0.5	20
m+p Xylene	A	20.0	19.3	1.430983	1.380369	-3.5	20
o-Xylene	A	10.0	10.9	1.479893	1.614829	9.1	20
1,2-Dichloroethane-d4	A	25.0	23.6	0.5093199	0.4809426	-5.6	
Toluene-d8	A	25.0	25.5	0.8222333	0.8399013	2.1	
4-Bromofluorobenzene	A	25.0	26.1	0.9207177	0.961423	4.4	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0393
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Instrument ID:	GCMSVOA3	Calibration:	1900192
Lab File ID:	C1928103.D	Calibration Date:	05/16/19 09:46
Sequence:	S041216	Injection Date:	10/08/19
Lab Sample ID:	S041216-CCV1	Injection Time:	11:08

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	100	98.2	0.1881665	0.1847262		-1.8	20
Acrylonitrile	A	10.0	9.40	0.2484221	0.2334821		-6.0	20
tert-Amyl Methyl Ether (TAME)	A	10.0	9.50	1.289385	1.224827		-5.0	20
Benzene	A	10.0	11.2	1.72594	1.937514		12.3	20
Bromobenzene	A	10.0	10.5	1.057032	1.106413		4.7	20
Bromochloromethane	A	10.0	11.1	0.4131035	0.4575078		10.7	20
Bromodichloromethane	A	10.0	10.6	0.3780762	0.4021709		6.4	20
Bromoform	A	10.0	10.1	0.4654726	0.4693702		0.8	20
Bromomethane	A	10.0	15.6	0.2847145	0.4436414		55.8	20 *
2-Butanone (MEK)	A	100	98.6	0.3378563	0.3330038		-1.4	20
tert-Butyl Alcohol (TBA)	A	100	102	7.238849E-02	7.415225E-02		2.4	20
n-Butylbenzene	A	10.0	10.5	1.769604	1.862484		5.2	20
sec-Butylbenzene	A	10.0	11.0	2.284017	2.516032		10.2	20
tert-Butylbenzene	A	10.0	10.9	1.618806	1.761868		8.8	20
tert-Butyl Ethyl Ether (TBEE)	A	10.0	9.70	1.451316	1.408497		-3.0	20
Carbon Disulfide	A	100	110	1.119853	1.236335		10.4	20
Carbon Tetrachloride	A	10.0	10.4	0.4997097	0.5181753		3.7	20
Chlorobenzene	A	10.0	11.5	1.478802	1.70403		15.2	20
Chlorodibromomethane	A	10.0	10.4	0.3139765	0.3275113		4.3	20
Chloroethane	A	10.0	11.6	0.2881543	0.3339537		15.9	20
Chloroform	A	10.0	11.1	0.7462329	0.8260923		10.7	20
Chloromethane	A	10.0	13.5	0.6525361	0.8782363		34.6	20 *
2-Chlorotoluene	A	10.0	10.9	1.720424	1.877518		9.1	20
4-Chlorotoluene	A	10.0	10.8	1.958256	2.106123		7.6	20
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	9.54	0.1644986	0.1568768		-4.6	20
1,2-Dibromoethane (EDB)	A	10.0	10.9	0.3046615	0.3329416		9.3	20
Dibromomethane	A	10.0	10.6	0.1962563	0.208393		6.2	20
1,2-Dichlorobenzene	A	10.0	11.3	1.195438	1.351964		13.1	20
1,3-Dichlorobenzene	A	10.0	11.5	1.185068	1.358295		14.6	20

CONTINUING CALIBRATION VERIFICATION

SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0393
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Instrument ID:	GCMSVOA3	Calibration:	1900192
Lab File ID:	C1928103.D	Calibration Date:	05/16/19 09:46
Sequence:	S041216	Injection Date:	10/08/19
Lab Sample ID:	S041216-CCV1	Injection Time:	11:08

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dichlorobenzene	A	10.0	11.1	1.256354	1.393841		10.9	20
trans-1,4-Dichloro-2-butene	A	10.0	8.61	0.2217889	0.1910675		-13.9	20
Dichlorodifluoromethane (Freon 12)	A	10.0	9.47	0.489052	0.4629074		-5.3	20
1,1-Dichloroethane	A	10.0	10.8	0.8050564	0.8698543		8.0	20
1,2-Dichloroethane	A	10.0	10.6	0.4085792	0.4324358		5.8	20
1,1-Dichloroethylene	A	10.0	11.5	0.580623	0.6689534		15.2	20
cis-1,2-Dichloroethylene	A	10.0	11.2	0.7003627	0.7839982		11.9	20
trans-1,2-Dichloroethylene	A	10.0	10.8	0.6012956	0.6501538		8.1	20
Dichlorofluoromethane (Freon 21)	A	10.0	11.2	0.7884529	0.8847808		12.2	20
1,2-Dichloropropane	A	10.0	11.0	0.3162404	0.3488112		10.3	20
1,3-Dichloropropane	A	10.0	10.8	0.5087606	0.5486147		7.8	20
2,2-Dichloropropane	A	10.0	10.7	0.6030733	0.6444292		6.9	20
1,1-Dichloropropene	A	10.0	11.2	0.5527761	0.6171627		11.6	20
cis-1,3-Dichloropropene	A	10.0	10.8	0.4823059	0.5185329		7.5	20
trans-1,3-Dichloropropene	A	10.0	10.1	0.4359988	0.4413367		1.2	20
Diethyl Ether	A	10.0	10.7	0.3702305	0.3952431		6.8	20
Difluorochloromethane (Freon 22)	A	10.0	10.6	0.5845926	0.6175585		5.6	20
Diisopropyl Ether (DIPE)	A	10.0	10.5	1.74122	1.833311		5.3	20
1,4-Dioxane	A	100	83.5	4.635165E-03	3.871712E-03		-16.5	20
Ethylbenzene	A	10.0	11.2	2.545889	2.838558		11.5	20
Hexachlorobutadiene	A	10.0	10.5	0.2928132	0.3066648		4.7	20
2-Hexanone (MBK)	A	100	91.1	0.3344099	0.3045164		-8.9	20
Isopropylbenzene (Cumene)	A	10.0	11.1	2.305934	2.563409		11.2	20
p-Isopropyltoluene (p-Cymene)	A	10.0	10.5	1.967049	2.06632		5.0	20
Methyl Acetate	A	10.0	11.4	0.5828072	0.6656882		14.2	20
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.1	1.31052	1.320012		0.7	20
Methyl Cyclohexane	A	10.0	10.7	0.3612119	0.3876199		7.3	20
Methylene Chloride	A	10.0	11.4	0.6164331	0.7013508		13.8	20

CONTINUING CALIBRATION VERIFICATION

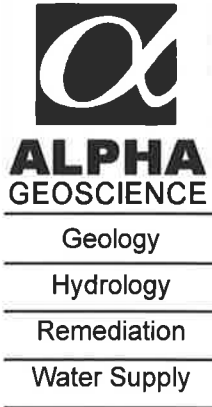
SW-846 8260C-D

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0393
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Instrument ID:	GCMSVOA3	Calibration:	1900192
Lab File ID:	C1928103.D	Calibration Date:	05/16/19 09:46
Sequence:	S041216	Injection Date:	10/08/19
Lab Sample ID:	S041216-CCV1	Injection Time:	11:08

COMPOUND	TYPE	CONC. (µg/L)		RESPONSE FACTOR		% DIFF / DRIFT		
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Methyl-2-pentanone (MIBK)	A	100	95.5	0.4656019	0.4447277		-4.5	20
Naphthalene	A	10.0	9.04	2.298426	2.078428		-9.6	20
n-Propylbenzene	A	10.0	10.9	2.710896	2.945242		8.6	20
Styrene	A	10.0	11.2	1.60354	1.793569		11.9	20
1,1,1,2-Tetrachloroethane	A	10.0	11.4	0.5280217	0.5993354		13.5	20
1,1,2,2-Tetrachloroethane	A	10.0	11.3	0.8779885	0.9939514		13.2	20
Tetrachloroethylene	A	10.0	11.2	0.2684052	0.3002134		11.9	20
Tetrahydrofuran	A	10.0	9.88	0.2017468	0.199346		-1.2	20
Toluene	A	10.0	10.9	1.159427	1.267198		9.3	20
1,2,3-Trichlorobenzene	A	10.0	8.49	0.763704	0.6485074		-15.1	20
1,2,4-Trichlorobenzene	A	10.0	9.02	0.768892	0.693745		-9.8	20
1,3,5-Trichlorobenzene	A	10.0	9.83	0.816296	0.8022906		-1.7	20
1,1,1-Trichloroethane	A	10.0	11.0	0.5962929	0.6574475		10.3	20
1,1,2-Trichloroethane	A	10.0	11.3	0.2729421	0.3072462		12.6	20
Trichloroethylene	A	10.0	11.2	0.264012	0.2956072		12.0	20
Trichlorofluoromethane (Freon 11)	A	10.0	11.1	0.5804948	0.6457578		11.2	20
1,2,3-Trichloropropane	A	10.0	9.83	0.7335319	0.7210302		-1.7	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	11.8	0.3179614	0.3757933		18.2	20
1,2,4-Trimethylbenzene	A	10.0	11.1	2.04495	2.270831		11.0	20
1,3,5-Trimethylbenzene	A	10.0	10.3	1.923032	1.988394		3.4	20
Vinyl Chloride	A	10.0	11.8	0.5215649	0.6143075		17.8	20
m+p Xylene	A	20.0	22.0	1.929171	2.119228		9.9	20
o-Xylene	A	10.0	11.3	1.987587	2.249042		13.2	20
1,2-Dichloroethane-d4	A	25.0	24.2	0.5643226	0.54707		-3.1	
Toluene-d8	A	25.0	24.9	1.196284	1.191125		-0.4	
4-Bromofluorobenzene	A	25.0	24.6	0.8899582	0.8767392		-1.5	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits



**QA/QC Review of Method 8270D Semi-Volatiles Data for
Con-Test Analytical Laboratory, Work Order No: 19J0393**

**3 Soil Samples
Collected October 4, 2019**

Prepared by: Donald Anné
December 11, 2019

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRF for applicable compounds were above the method minimums, as required.

The average RRFs for target compounds were above the allowable minimum (0.010), as required.

The %RSDs for benzoic acid, 2,4-dinitrophenol, and pentachlorophenol were above the allowable maximum (30%) for GCMSSV4 on 09-04-19. Positive results for these compounds should be considered estimated (J) in associated samples.

Continuing Calibration: The RRFs for applicable compounds were above the method minimums, as required. The %Ds for hexachlorocyclopentadiene and 4-nitrophenol were above the method maximum on 10-14-19 (S041402-CCV1). The %Ds for hexachlorocyclopentadiene and 4-nitrophenol were above the method maximum on 10-15-19 (S041444-CCV1). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The RRFs for target compounds were above the allowable minimum (0.010), as required.

The %Ds for hexachlorocyclopentadiene and 4-nitrophenol were above the allowable maximum (25%) on 10-14-19 (S041402-CCV1). The %Ds for hexachlorocyclopentadiene and 4-nitrophenol were above the allowable maximum (25%) on 10-15-19 (S041444-CCV1). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analyses of the method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximum and the percent recoveries (%Rs) were within QC limits for soil samples B242999-BS1 and B242999-BSD1.

The RPDs for target compounds were below the allowable maximum; 2 of 2 %Rs for benzidine were above QC limits; and 2 of 2 %Rs for benzoic acid, 2,4-dinitrophenol, and hexachlorocyclopentadiene, and 1 of 2 %Rs for pyridine were below QC limits, but not below 10% for soil samples B243130-BS1 and B243130-BSD1. Positive results for benzidine should be considered estimated, biased high (J+); positive results for benzoic acid, 2,4-dinitrophenol, hexachlorocyclopentadiene, and pyridine should be considered estimated, biased low (J-); and the "not detected" results for benzoic acid, 2,4-dinitrophenol, hexachlorocyclopentadiene, and pyridine should be considered estimated (UJ) in associated soil samples.

Compound ID: Checked compounds and surrogates were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D-E

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0393
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B243130	Laboratory ID:	B243130-BS1
Column:		Initial/Final:	30 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
Acenaphthene	1.67	1.10	66.1	40 - 140
Acenaphthylene	1.67	1.19	71.4	40 - 140
Acetophenone	1.67	1.26	75.4	40 - 140
Aniline	1.67	1.09	65.3	10 - 140
Anthracene	1.67	1.23	73.6	40 - 140
Benzidine	1.67	2.42	145 *	40 - 140
Benzo(a)anthracene	1.67	1.30	77.9	40 - 140
Benzo(a)pyrene	1.67	1.27	76.1	40 - 140
Benzo(b)fluoranthene	1.67	1.29	77.5	40 - 140
Benzo(g,h,i)perylene	1.67	1.34	80.2	40 - 140
Benzo(k)fluoranthene	1.67	1.29	77.5	40 - 140
Benzoic Acid	1.67	0.466	27.9 *	30 - 130
Bis(2-chloroethoxy)methane	1.67	1.21	72.8	40 - 140
Bis(2-chloroethyl)ether	1.67	1.13	67.7	40 - 140
Bis(2-chloroisopropyl)ether	1.67	1.37	82.0	40 - 140
Bis(2-Ethylhexyl)phthalate	1.67	1.45	87.2	40 - 140
4-Bromophenylphenylether	1.67	1.25	74.9	40 - 140
Butylbenzylphthalate	1.67	1.39	83.4	40 - 140
Carbazole	1.67	1.17	70.3	40 - 140
4-Chloroaniline	1.67	1.16	69.6	10 - 140
4-Chloro-3-methylphenol	1.67	1.35	81.1	30 - 130
2-Chloronaphthalene	1.67	1.12	67.0	40 - 140
2-Chlorophenol	1.67	1.16	69.9	30 - 130
4-Chlorophenylphenylether	1.67	1.31	78.8	40 - 140
Chrysene	1.67	1.26	75.5	40 - 140
Dibenz(a,h)anthracene	1.67	1.34	80.2	40 - 140
Dibenzofuran	1.67	1.24	74.3	40 - 140
Di-n-butylphthalate	1.67	1.32	79.4	40 - 140
1,2-Dichlorobenzene	1.67	1.03	61.9	40 - 140
1,3-Dichlorobenzene	1.67	0.990	59.4	40 - 140
1,4-Dichlorobenzene	1.67	1.02	61.2	40 - 140
3,3-Dichlorobenzidine	1.67	1.22	73.2	20 - 140
2,4-Dichlorophenol	1.67	1.26	75.5	30 - 130
Diethylphthalate	1.67	1.31	78.6	40 - 140
2,4-Dimethylphenol	1.67	1.19	71.5	30 - 130
Dimethylphthalate	1.67	1.30	78.2	40 - 140
4,6-Dinitro-2-methylphenol	1.67	0.695	41.7	30 - 130

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D-E

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0393
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B243130	Laboratory ID:	B243130-BS1
Column:		Initial/Final:	30 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
2,4-Dinitrophenol	1.67	0.489	29.4 *	30 - 130
2,4-Dinitrotoluene	1.67	1.34	80.2	40 - 140
2,6-Dinitrotoluene	1.67	1.35	81.0	40 - 140
Di-n-octylphthalate	1.67	1.47	88.1	40 - 140
1,2-Diphenylhydrazine/Azobenzene	1.67	1.22	73.1	40 - 140
Fluoranthene	1.67	1.22	73.2	40 - 140
Fluorene	1.67	1.26	75.9	40 - 140
Hexachlorobenzene	1.67	1.23	73.6	40 - 140
Hexachlorobutadiene	1.67	1.18	70.8	40 - 140
Hexachlorocyclopentadiene	1.67	0.618	37.1 *	40 - 140
Hexachloroethane	1.67	1.06	63.6	40 - 140
Indeno(1,2,3-cd)pyrene	1.67	1.49	89.2	40 - 140
Isophorone	1.67	1.36	81.5	40 - 140
1-Methylnaphthalene	1.67	1.14	68.1	40 - 140
2-Methylnaphthalene	1.67	1.36	81.6	40 - 140
2-Methylphenol	1.67	1.19	71.2	30 - 130
3/4-Methylphenol	1.67	1.27	76.4	30 - 130
Naphthalene	1.67	1.15	68.9	40 - 140
2-Nitroaniline	1.67	1.27	76.2	40 - 140
3-Nitroaniline	1.67	1.17	70.0	30 - 140
4-Nitroaniline	1.67	1.25	75.2	40 - 140
Nitrobenzene	1.67	1.21	72.9	40 - 140
2-Nitrophenol	1.67	1.19	71.1	30 - 130
4-Nitrophenol	1.67	1.60	96.1	30 - 130
N-Nitrosodimethylamine	1.67	1.05	62.7	40 - 140
N-Nitrosodiphenylamine/Diphenylamine	1.67	1.31	78.7	40 - 140
N-Nitrosodi-n-propylamine	1.67	1.36	81.3	40 - 140
Pentachloronitrobenzene	1.67	1.30	78.0	40 - 140
Pentachlorophenol	1.67	0.959	57.5	30 - 130
Phenanthrene	1.67	1.23	73.7	40 - 140
Phenol	1.67	1.17	70.4	30 - 130
Pyrene	1.67	1.34	80.3	40 - 140
Pyridine	1.67	0.512	30.7	30 - 140
1,2,4,5-Tetrachlorobenzene	1.67	1.18	70.6	40 - 140
1,2,4-Trichlorobenzene	1.67	1.18	70.7	40 - 140
2,4,5-Trichlorophenol	1.67	1.24	74.7	30 - 130
2,4,6-Trichlorophenol	1.67	1.26	75.5	30 - 130

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D-E

Laboratory: Con-Test Analytical Laboratory
 Client: Weston & Sampson - Albany, NY
 Matrix: Soil
 Batch: B243130
 Column:

Work Order: 19J0393
 Project: Thompson Mill
 Preparation: SW-846 3546
 Laboratory ID: B243130-BS1
 Initial/Final: 30 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Acenaphthene	1.67	1.10	65.8	0.364	30	40 - 140
Acenaphthylene	1.67	1.16	69.8	2.18	30	40 - 140
Acetophenone	1.67	1.15	68.8	9.26	30	40 - 140
Aniline	1.67	1.01	60.6	7.50	50	10 - 140
Anthracene	1.67	1.24	74.3	0.920	30	40 - 140
Benzidine	1.67	2.44	146	* 0.781	30	40 - 140
Benzo(a)anthracene	1.67	1.32	79.1	1.55	30	40 - 140
Benzo(a)pyrene	1.67	1.30	77.9	2.34	30	40 - 140
Benzo(b)fluoranthene	1.67	1.31	78.7	1.64	30	40 - 140
Benzo(g,h,i)perylene	1.67	1.31	78.9	1.68	30	40 - 140
Benzo(k)fluoranthene	1.67	1.32	79.5	2.60	30	40 - 140
Benzoic Acid	1.67	0.448	26.9	* 3.87	50	30 - 130
Bis(2-chloroethoxy)methane	1.67	1.16	69.5	4.64	30	40 - 140
Bis(2-chloroethyl)ether	1.67	1.03	61.9	9.04	30	40 - 140
Bis(2-chloroisopropyl)ether	1.67	1.19	71.6	13.5	30	40 - 140
Bis(2-Ethylhexyl)phthalate	1.67	1.42	85.1	2.44	30	40 - 140
4-Bromophenylphenylether	1.67	1.21	72.8	2.79	30	40 - 140
Butylbenzylphthalate	1.67	1.39	83.2	0.288	30	40 - 140
Carbazole	1.67	1.21	72.3	2.80	30	40 - 140
4-Chloroaniline	1.67	1.12	67.4	3.12	30	10 - 140
4-Chloro-3-methylphenol	1.67	1.37	81.9	0.957	30	30 - 130
2-Chloronaphthalene	1.67	1.12	67.3	0.447	30	40 - 140
2-Chlorophenol	1.67	1.10	65.8	6.05	30	30 - 130
4-Chlorophenylphenylether	1.67	1.33	80.0	1.51	30	40 - 140
Chrysene	1.67	1.29	77.4	2.56	30	40 - 140
Dibenz(a,h)anthracene	1.67	1.34	80.2	0.0250	30	40 - 140
Dibenzofuran	1.67	1.26	75.6	1.74	30	40 - 140
Di-n-butylphthalate	1.67	1.33	80.1	0.878	30	40 - 140
1,2-Dichlorobenzene	1.67	0.992	59.5	3.95	30	40 - 140
1,3-Dichlorobenzene	1.67	0.954	57.3	3.70	30	40 - 140
1,4-Dichlorobenzene	1.67	0.973	58.4	4.75	30	40 - 140
3,3-Dichlorobenzidine	1.67	1.21	72.6	0.850	50	20 - 140
2,4-Dichlorophenol	1.67	1.25	75.0	0.691	30	30 - 130
Diethylphthalate	1.67	1.34	80.4	2.19	30	40 - 140
2,4-Dimethylphenol	1.67	1.20	72.1	0.780	30	30 - 130
Dimethylphthalate	1.67	1.32	79.4	1.60	30	40 - 140

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D-E

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0393
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B243130	Laboratory ID:	B243130-BSD1
Column:		Initial/Final:	30 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD		QC LIMITS	
			% REC. #	% RPD #	RPD	REC.
4,6-Dinitro-2-methylphenol	1.67	0.677	40.6	2.62	30	30 - 130
2,4-Dinitrophenol	1.67	0.492	29.5 *	0.611	30	30 - 130
2,4-Dinitrotoluene	1.67	1.40	84.1	4.70	30	40 - 140
2,6-Dinitrotoluene	1.67	1.41	84.5	4.23	30	40 - 140
Di-n-octylphthalate	1.67	1.42	85.4	3.14	30	40 - 140
1,2-Diphenylhydrazine/Azobenzene	1.67	1.12	67.1	8.53	30	40 - 140
Fluoranthene	1.67	1.29	77.6	5.76	30	40 - 140
Fluorene	1.67	1.29	77.3	1.80	30	40 - 140
Hexachlorobenzene	1.67	1.24	74.3	1.00	30	40 - 140
Hexachlorobutadiene	1.67	1.21	72.4	2.29	30	40 - 140
Hexachlorocyclopentadiene	1.67	0.603	36.2 *	2.51	30	40 - 140
Hexachloroethane	1.67	0.978	58.7	8.05	30	40 - 140
Indeno(1,2,3-cd)pyrene	1.67	1.47	88.1	1.20	30	40 - 140
Isophorone	1.67	1.28	76.7	6.04	30	40 - 140
1-Methylnaphthalene	1.67	1.11	66.5	2.38	30	40 - 140
2-Methylnaphthalene	1.67	1.32	79.2	2.99	30	40 - 140
2-Methylphenol	1.67	1.09	65.3	8.56	30	30 - 130
3/4-Methylphenol	1.67	1.16	69.8	9.03	30	30 - 130
Naphthalene	1.67	1.12	67.2	2.44	30	40 - 140
2-Nitroaniline	1.67	1.29	77.5	1.67	30	40 - 140
3-Nitroaniline	1.67	1.24	74.3	5.93	30	30 - 140
4-Nitroaniline	1.67	1.33	80.1	6.23	30	40 - 140
Nitrobenzene	1.67	1.16	69.9	4.17	30	40 - 140
2-Nitrophenol	1.67	1.16	69.6	2.25	30	30 - 130
4-Nitrophenol	1.67	1.67	100	4.20	50	30 - 130
N-Nitrosodimethylamine	1.67	0.946	56.7	10.0	30	40 - 140
N-Nitrosodiphenylamine/Diphenylamine	1.67	1.27	76.2	3.25	30	40 - 140
N-Nitrosodi-n-propylamine	1.67	1.20	71.8	12.4	30	40 - 140
Pentachloronitrobenzene	1.67	1.32	79.3	1.58	30	40 - 140
Pentachlorophenol	1.67	0.970	58.2	1.18	30	30 - 130
Phenanthrene	1.67	1.21	72.6	1.50	30	40 - 140
Phenol	1.67	1.10	65.8	6.72	30	30 - 130
Pyrene	1.67	1.37	82.2	2.41	30	40 - 140
Pyridine	1.67	0.476	28.6 *	7.35	30	30 - 140
1,2,4,5-Tetrachlorobenzene	1.67	1.16	69.5	1.60	30	40 - 140

LCS / LCS DUPLICATE RECOVERY

SW-846 8270D-E

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0393
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B243130	Laboratory ID:	B243130-BSD1
Column:		Initial/Final:	30 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,2,4-Trichlorobenzene	1.67	1.16	69.7	1.42	30	40 - 140
2,4,5-Trichlorophenol	1.67	1.26	75.5	1.17	30	30 - 130
2,4,6-Trichlorophenol	1.67	1.24	74.3	1.55	30	30 - 130

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

467

SW-846 8270D-E

Laboratory: Con-Test Analytical Laboratory
Client: Weston & Sampson - Albany, NY
Calibration: 1900294

Work Order: 19J0393
Project: Thompson Mill
Instrument: GCMSSV4
Calibration Date: 9/4/2019 3:05:36PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Acenaphthene	1.212481	3.9			20	
Acenaphthylene	2.014451	3.1			20	
Acetophenone	1.959467	5.2			20	
Aniline	0.7470085	4.9			20	
Anthracene	1.120124	3.4			20	
Benzidine	0.3253801	12.9			20	
Benzo(a)anthracene	1.344144	3.3			20	
Benzo(a)pyrene	1.105889	5.1			20	
Benzo(b)fluoranthene	1.2437	4.8			20	
Benzo(g,h,i)perylene	0.9387913	13.8			20	
Benzo(k)fluoranthene	1.173317	3.6			20	
Benzoic Acid	0.1693107	37.1	0.998		0.99	
Bis(2-chloroethoxy)methane	0.4323059	2.1			20	
Bis(2-chloroethyl)ether	1.186348	4.0			20	
Bis(2-chloroisopropyl)ether	2.113533	3.8			20	
Bis(2-Ethylhexyl)phthalate	0.9584481	3.4			20	
4-Bromophenylphenylether	0.2193844	3.8			20	
Butylbenzylphthalate	0.6793525	5.8			20	
Carbazole	1.061342	3.5			20	
4-Chloroaniline	0.4084468	4.5			20	
4-Chloro-3-methylphenol	0.3135482	3.2			20	
2-Chloronaphthalene	1.494928	3.4			20	
2-Chlorophenol	1.423616	3.1			20	
4-Chlorophenylphenylether	0.6788658	3.0			20	
Chrysene	1.289308	2.4			20	
Dibenz(a,h)anthracene	0.9643548	8.0			20	
Dibenzofuran	1.768505	3.0			20	
Di-n-butylphthalate	1.328639	5.2			20	
1,2-Dichlorobenzene	1.500853	3.5			20	
1,3-Dichlorobenzene	1.578386	3.3			20	
1,4-Dichlorobenzene	1.584794	3.7			20	

INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270D-E

Laboratory: Con-Test Analytical Laboratory
 Client: Weston & Sampson - Albany, NY
 Calibration: 1900294

Work Order: 19J0393
 Project: Thompson Mill
 Instrument: GCMSSV4
 Calibration Date: 9/4/2019 3:05:36PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
3,3-Dichlorobenzidine	0.5007821	4.4			20	
2,4-Dichlorophenol	0.2971189	4.2			20	
Diethylphthalate	1.425759	2.7			20	
2,4-Dimethylphenol	0.3233533	2.4			20	
Dimethylphthalate	1.419774	4.0			20	
4,6-Dinitro-2-methylphenol	0.1184014	20.4	0.998		0.99	
2,4-Dinitrophenol	0.1113555	53.0	0.992		0.99	
2,4-Dinitrotoluene	0.3908994	8.4			20	
2,6-Dinitrotoluene	0.2907871	7.0			20	
Di-n-octylphthalate	1.538375	8.2			20	
1,2-Diphenylhydrazine/Azobenzene	0.7818208	2.6			20	
Fluoranthene	1.229705	6.4			20	
Fluorene	1.35545	3.3			20	
Hexachlorobenzene	0.2549156	3.8			20	
Hexachlorobutadiene	0.2079957	4.1			20	
Hexachlorocyclopentadiene	0.3770963	17.0	0.994		0.99	
Hexachloroethane	0.6238241	3.6			20	
Indeno(1,2,3-cd)pyrene	0.8883946	9.1			20	
Isophorone	0.6720927	2.9			20	
1-Methylnaphthalene	0.722737	4.2			20	
2-Methylnaphthalene	0.6422685	3.3			20	
2-Methylphenol	1.323755	2.6			20	
3/4-Methylphenol	1.470021	5.0			20	
Naphthalene	1.058045	3.9			20	
2-Nitroaniline	0.4186875	6.0			20	
3-Nitroaniline	0.331973	4.0			20	
4-Nitroaniline	0.3321593	6.5			20	
Nitrobenzene	0.4055119	3.0			20	
2-Nitrophenol	0.1905416	5.7			20	
4-Nitrophenol	0.1873585	12.8			20	
N-Nitrosodimethylamine	0.8069758	9.8			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

469

SW-846 8270D-E

Laboratory: Con-Test Analytical Laboratory
Client: Weston & Sampson - Albany, NY
Calibration: 1900294

Work Order: 19J0393
Project: Thompson Mill
Instrument: GCMSSV4
Calibration Date: 9/4/2019 3:05:36PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
N-Nitrosodiphenylamine/Diphenylamine	0.6001046	3.5			20	
N-Nitrosodi-n-propylamine	0.9617206	3.7			20	
Pentachloronitrobenzene	4.334696E-02	4.5			20	
Pentachlorophenol	0.0916899	40.8	0.996		0.99	
Phenanthrene	1.097769	2.9			20	
Phenol	1.755178	2.4			20	
Pyrene	1.453826	3.2			20	
Pyridine	1.56847	7.3			20	
1,2,4,5-Tetrachlorobenzene	0.687966	4.0			20	
1,2,4-Trichlorobenzene	0.3517043	4.1			20	
2,4,5-Trichlorophenol	0.4578859	4.8			20	
2,4,6-Trichlorophenol	0.4357215	4.2			20	
2-Fluorophenol	1.234507	2.9			20	
Phenol-d6	1.602249	2.3			20	
Nitrobenzene-d5	0.3920845	3.8			20	
2-Fluorobiphenyl	1.167071	3.7			20	
2,4,6-Tribromophenol	0.1908833	7.6			20	
p-Terphenyl-d14	0.6810405	2.5			20	

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D-E

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0393
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Instrument ID:	GCMSSV4	Calibration:	1900294
Lab File ID:	D1928702.D	Calibration Date:	09/04/19 15:05
Sequence:	S041402	Injection Date:	10/14/19
Lab Sample ID:	S041402-CCV1	Injection Time:	08:00

COMPOUND	TYPE	CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.0	46.1	1.212481	1.117868	-7.8	20	
Acenaphthylene	A	50.0	48.0	2.014451	1.935554	-3.9	20	
Acetophenone	A	50.0	51.6	1.959467	2.020417	3.1	20	
Aniline	A	50.0	47.9	0.7470085	0.7152457	-4.3	20	
Anthracene	A	50.0	46.9	1.120124	1.051534	-6.1	20	
Benzdine	A	50.0	59.9	0.3253801	0.3896882	19.8	20	
Benzo(a)anthracene	A	50.0	50.3	1.344144	1.352105	0.6	20	
Benzo(a)pyrene	A	50.0	50.2	1.105889	1.110831	0.4	20	
Benzo(b)fluoranthene	A	50.0	51.8	1.2437	1.287148	3.5	20	
Benzo(g,h,i)perylene	A	50.0	58.8	0.9387913	1.103243	17.5	20	
Benzo(k)fluoranthene	A	50.0	49.7	1.173317	1.166784	-0.6	20	
Benzoic Acid	L	50.0	55.3	0.1693107	0.2186779	10.5	20	
Bis(2-chloroethoxy)methane	A	50.0	48.6	0.4323059	0.4199637	-2.9	20	
Bis(2-chloroethyl)ether	A	50.0	44.9	1.186348	1.065422	-10.2	20	
Bis(2-chloroisopropyl)ether	A	50.0	44.8	2.113533	1.895563	-10.3	20	
Bis(2-Ethylhexyl)phthalate	A	50.0	50.9	0.9584481	0.9765485	1.9	20	
4-Bromophenylphenylether	A	50.0	50.3	0.2193844	0.2206232	0.6	20	
Butylbenzylphthalate	A	50.0	54.1	0.6793525	0.7345925	8.1	20	
Carbazole	A	50.0	46.6	1.061342	0.9881592	-6.9	20	
4-Chloroaniline	A	50.0	49.2	0.4084468	0.4020095	-1.6	20	
4-Chloro-3-methylphenol	A	50.0	56.2	0.3135482	0.3524233	12.4	20	
2-Chloronaphthalene	A	50.0	47.1	1.494928	1.409106	-5.7	20	
2-Chlorophenol	A	50.0	49.8	1.423616	1.416972	-0.5	20	
4-Chlorophenylphenylether	A	50.0	54.0	0.6788658	0.7336111	8.1	20	
Chrysene	A	50.0	49.4	1.289308	1.273358	-1.2	20	
Dibenz(a,h)anthracene	A	50.0	57.2	0.9643548	1.103959	14.5	20	
Dibenzofuran	A	50.0	51.8	1.768505	1.832937	3.6	20	
Di-n-butylphthalate	A	50.0	49.5	1.328639	1.316107	-0.9	20	
1,2-Dichlorobenzene	A	50.0	49.2	1.500853	1.47801	-1.5	20	
1,3-Dichlorobenzene	A	50.0	49.9	1.578386	1.576584	-0.1	20	

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D-E

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0393
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Instrument ID:	GCMSSV4	Calibration:	1900294
Lab File ID:	D1928702.D	Calibration Date:	09/04/19 15:05
Sequence:	S041402	Injection Date:	10/14/19
Lab Sample ID:	S041402-CCV1	Injection Time:	08:00

COMPOUND	TYPE	CONC. (µg/mL)		RESPONSE FACTOR		% DIFF / DRIFT		LIMIT (#)
		STD	CCV	ICAL	CCV	MIN (#)	CCV	
1,4-Dichlorobenzene	A	50.0	49.5	1.584794	1.570262	-0.9	20	
3,3-Dichlorobenzidine	A	50.0	50.6	0.5007821	0.5067386	1.2	20	
2,4-Dichlorophenol	A	50.0	55.0	0.2971189	0.3265526	9.9	20	
Diethylphthalate	A	50.0	51.1	1.425759	1.456774	2.2	20	
2,4-Dimethylphenol	A	50.0	52.1	0.3233533	0.3369865	4.2	20	
Dimethylphthalate	A	50.0	51.6	1.419774	1.465871	3.2	20	
4,6-Dinitro-2-methylphenol	L	50.0	44.8	0.1184014	0.1127274	-10.5	20	
2,4-Dinitrophenol	L	50.0	45.6	0.1113555	0.1327995	-8.7	20	
2,4-Dinitrotoluene	A	50.0	55.0	0.3908994	0.4301748	10.0	20	
2,6-Dinitrotoluene	A	50.0	53.4	0.2907871	0.3107358	6.9	20	
Di-n-octylphthalate	A	50.0	58.5	1.538375	1.800427	17.0	20	
1,2-Diphenylhydrazine/Azobenzene	A	50.0	42.8	0.7818208	0.6690469	-14.4	20	
Fluoranthene	A	50.0	49.0	1.229705	1.20628	-1.9	20	
Fluorene	A	50.0	50.8	1.35545	1.377359	1.6	20	
Hexachlorobenzene	A	50.0	50.9	0.2549156	0.2595569	1.8	20	
Hexachlorobutadiene	A	50.0	57.1	0.2079957	0.2376012	14.2	20	
Hexachlorocyclopentadiene	L	50.0	33.4	0.3770963	0.2579945	-33.2	20	*
Hexachloroethane	A	50.0	49.3	0.6238241	0.61537	-1.4	20	
Indeno(1,2,3-cd)pyrene	A	50.0	56.6	0.8883946	1.005284	13.2	20	
Isophorone	A	50.0	50.3	0.6720927	0.6763498	0.6	20	
1-Methylnaphthalene	A	50.0	50.2	0.722737	0.7260105	0.5	20	
2-Methylnaphthalene	A	50.0	55.2	0.6422685	0.7094981	10.5	20	
2-Methylphenol	A	50.0	46.8	1.323755	1.239729	-6.3	20	
3/4-Methylphenol	A	100	98.0	1.470021	1.441304	-2.0	20	
Naphthalene	A	50.0	49.6	1.058045	1.050014	-0.8	20	
2-Nitroaniline	A	50.0	50.0	0.4186875	0.4190549	0.09	20	
3-Nitroaniline	A	50.0	50.2	0.331973	0.3330119	0.3	20	
4-Nitroaniline	A	50.0	51.4	0.3321593	0.3412701	2.7	20	
Nitrobenzene	A	50.0	50.1	0.4055119	0.4059794	0.1	20	
2-Nitrophenol	A	50.0	52.8	0.1905416	0.2013327	5.7	20	

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D-E

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0393
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Instrument ID:	GCMSSV4	Calibration:	1900294
Lab File ID:	D1928702.D	Calibration Date:	09/04/19 15:05
Sequence:	S041402	Injection Date:	10/14/19
Lab Sample ID:	S041402-CCV1	Injection Time:	08:00

COMPOUND	TYPE	CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.0	62.9	0.1873585	0.2356893		25.8	20 *
N-Nitrosodimethylamine	A	50.0	46.7	0.8069758	0.753657		-6.6	20
N-Nitrosodiphenylamine/Diphenylamine	A	42.8	41.9	0.6001046	0.5894818		-1.8	20
N-Nitrosodi-n-propylamine	A	50.0	51.2	0.9617206	0.9843695		2.4	20
Pentachloronitrobenzene	A	50.0	52.7	4.334696E-02	4.565032E-02		5.3	20
Pentachlorophenol	L	50.0	44.2	0.0916899	9.960478E-02		-11.6	20
Phenanthrene	A	50.0	46.5	1.097769	1.020756		-7.0	20
Phenol	A	50.0	48.1	1.755178	1.688984		-3.8	20
Pyrene	A	50.0	56.2	1.453826	1.632673		12.3	20
Pyridine	A	50.0	39.7	1.56847	1.245696		-20.6	20 *
1,2,4,5-Tetrachlorobenzene	A	50.0	50.6	0.687966	0.6960171		1.2	20
1,2,4-Trichlorobenzene	A	50.0	54.2	0.3517043	0.3812652		8.4	20
2,4,5-Trichlorophenol	A	50.0	51.6	0.4578859	0.4722248		3.1	20
2,4,6-Trichlorophenol	A	50.0	52.9	0.4357215	0.4609814		5.8	20
2-Fluorophenol	A	100	93.9	1.234507	1.159114		-6.1	
Phenol-d6	A	100	96.5	1.602249	1.546712		-3.5	
Nitrobenzene-d5	A	50.0	50.4	0.3920845	0.3948342		0.7	
2-Fluorobiphenyl	A	50.0	48.4	1.167071	1.128683		-3.3	
2,4,6-Tribromophenol	A	100	118	0.1908833	0.2243897		17.6	
p-Terphenyl-d14	A	50.0	61.6	0.6810405	0.8391779		23.2	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D-E

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0393
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Instrument ID:	GCMSSV4	Calibration:	1900294
Lab File ID:	D1928802.D	Calibration Date:	09/04/19 15:05
Sequence:	S041444	Injection Date:	10/15/19
Lab Sample ID:	S041444-CCV1	Injection Time:	08:20

COMPOUND	TYPE	CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.0	46.1	1.212481	1.117051	-7.9	20	
Acenaphthylene	A	50.0	48.1	2.014451	1.938971	-3.7	20	
Acetophenone	A	50.0	54.4	1.959467	2.133086	8.9	20	
Aniline	A	50.0	50.4	0.7470085	0.7522958	0.7	20	
Anthracene	A	50.0	47.6	1.120124	1.06663	-4.8	20	
Benzdine	A	50.0	41.2	0.3253801	0.267954	-17.6	20	
Benzo(a)anthracene	A	50.0	49.7	1.344144	1.337059	-0.5	20	
Benzo(a)pyrene	A	50.0	49.9	1.105889	1.103556	-0.2	20	
Benzo(b)fluoranthene	A	50.0	50.9	1.2437	1.266732	1.9	20	
Benzo(g,h,i)perylene	A	50.0	50.5	0.9387913	0.9476539	0.9	20	
Benzo(k)fluoranthene	A	50.0	49.6	1.173317	1.163943	-0.8	20	
Benzoic Acid	L	50.0	57.1	0.1693107	0.2276257	14.3	20	
Bis(2-chloroethoxy)methane	A	50.0	50.7	0.4323059	0.438423	1.4	20	
Bis(2-chloroethyl)ether	A	50.0	48.6	1.186348	1.154314	-2.7	20	
Bis(2-chloroisopropyl)ether	A	50.0	50.7	2.113533	2.143737	1.4	20	
Bis(2-Ethylhexyl)phthalate	A	50.0	57.6	0.9584481	1.104519	15.2	20	
4-Bromophenylphenylether	A	50.0	51.7	0.2193844	0.227031	3.5	20	
Butylbenzylphthalate	A	50.0	56.2	0.6793525	0.76367	12.4	20	
Carbazole	A	50.0	47.6	1.061342	1.009554	-4.9	20	
4-Chloroaniline	A	50.0	51.7	0.4084468	0.4224637	3.4	20	
4-Chloro-3-methylphenol	A	50.0	57.1	0.3135482	0.3583254	14.3	20	
2-Chloronaphthalene	A	50.0	50.2	1.494928	1.501849	0.5	20	
2-Chlorophenol	A	50.0	50.8	1.423616	1.447567	1.7	20	
4-Chlorophenylphenylether	A	50.0	55.2	0.6788658	0.7492881	10.4	20	
Chrysene	A	50.0	49.5	1.289308	1.276827	-1.0	20	
Dibenz(a,h)anthracene	A	50.0	51.8	0.9643548	0.998954	3.6	20	
Dibenzofuran	A	50.0	51.9	1.768505	1.836106	3.8	20	
Di-n-butylphthalate	A	50.0	55.9	1.328639	1.485977	11.8	20	
1,2-Dichlorobenzene	A	50.0	50.6	1.500853	1.519866	1.3	20	
1,3-Dichlorobenzene	A	50.0	50.2	1.578386	1.585092	0.4	20	

CONTINUING CALIBRATION VERIFICATION

SW-846 8270D-E

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0393
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Instrument ID:	GCMSSV4	Calibration:	1900294
Lab File ID:	D1928802.D	Calibration Date:	09/04/19 15:05
Sequence:	S041444	Injection Date:	10/15/19
Lab Sample ID:	S041444-CCV1	Injection Time:	08:20

COMPOUND	TYPE	CONC. (µg/mL)		RESPONSE FACTOR			% DIFF. / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dichlorobenzene	A	50.0	51.1	1.584794	1.619935		2.2	20
3,3-Dichlorobenzidine	A	50.0	49.0	0.5007821	0.4905037		-2.1	20
2,4-Dichlorophenol	A	50.0	54.1	0.2971189	0.3215341		8.2	20
Diethylphthalate	A	50.0	53.1	1.425759	1.515213		6.3	20
2,4-Dimethylphenol	A	50.0	50.9	0.3233533	0.3289396		1.7	20
Dimethylphthalate	A	50.0	53.6	1.419774	1.522088		7.2	20
4,6-Dinitro-2-methylphenol	L	50.0	47.4	0.1184014	0.1201798		-5.3	20
2,4-Dinitrophenol	L	50.0	50.6	0.1113555	0.1506048		1.1	20
2,4-Dinitrotoluene	A	50.0	55.9	0.3908994	0.4372238		11.9	20
2,6-Dinitrotoluene	A	50.0	54.2	0.2907871	0.3150896		8.4	20
Di-n-octylphthalate	A	50.0	58.0	1.538375	1.785388		16.1	20
1,2-Diphenylhydrazine/Azobenzene	A	50.0	46.8	0.7818208	0.7323943		-6.3	20
Fluoranthene	A	50.0	50.2	1.229705	1.234839		0.4	20
Fluorene	A	50.0	50.9	1.35545	1.379134		1.7	20
Hexachlorobenzene	A	50.0	50.5	0.2549156	0.2576076		1.1	20
Hexachlorobutadiene	A	50.0	56.3	0.2079957	0.2342816		12.6	20
Hexachlorocyclopentadiene	L	50.0	30.0	0.3770963	0.2284716		-40.1	20 *
Hexachloroethane	A	50.0	52.2	0.6238241	0.65075		4.3	20
Indeno(1,2,3-cd)pyrene	A	50.0	51.3	0.8883946	0.9109437		2.5	20
Isophorone	A	50.0	53.5	0.6720927	0.719635		7.1	20
1-Methylnaphthalene	A	50.0	51.1	0.722737	0.7386597		2.2	20
2-Methylnaphthalene	A	50.0	54.8	0.6422685	0.703413		9.5	20
2-Methylphenol	A	50.0	48.4	1.323755	1.280877		-3.2	20
3/4-Methylphenol	A	100	102	1.470021	1.50256		2.2	20
Naphthalene	A	50.0	49.2	1.058045	1.040264		-1.7	20
2-Nitroaniline	A	50.0	53.2	0.4186875	0.4457191		6.5	20
3-Nitroaniline	A	50.0	51.8	0.331973	0.3437755		3.6	20
4-Nitroaniline	A	50.0	50.1	0.3321593	0.3327868		0.2	20
Nitrobenzene	A	50.0	51.4	0.4055119	0.4169847		2.8	20
2-Nitrophenol	A	50.0	51.7	0.1905416	0.1971656		3.5	20

CONTINUING CALIBRATION VERIFICATION

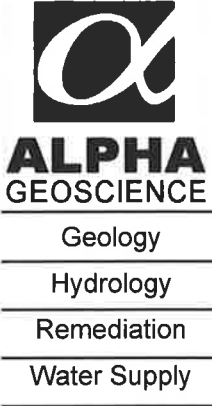
SW-846 8270D-E

Laboratory:	Con-Test Analytical Laboratory	Work Order:	19J0393
Client:	Weston & Sampson - Albany, NY	Project:	Thompson Mill
Instrument ID:	GCMSSV4	Calibration:	1900294
Lab File ID:	D1928802.D	Calibration Date:	09/04/19 15:05
Sequence:	S041444	Injection Date:	10/15/19
Lab Sample ID:	S041444-CCV1	Injection Time:	08:20

COMPOUND	TYPE	CONC. ($\mu\text{g/mL}$)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.0	64.6	0.1873585	0.2420593		29.2	20 *
N-Nitrosodimethylamine	A	50.0	50.4	0.8069758	0.8133205		0.8	20
N-Nitrosodiphenylamine/Diph enylamine	A	42.8	42.7	0.6001046	0.6003025		0.03	20
N-Nitrosodi-n-propylamine	A	50.0	56.6	0.9617206	1.088363		13.2	20
Pentachloronitrobenzene	A	50.0	53.6	4.334696E-02	4.643399E-02		7.1	20
Pentachlorophenol	L	50.0	46.9	0.0916899	0.1067464		-6.2	20
Phenanthrene	A	50.0	47.4	1.097769	1.039992		-5.3	20
Phenol	A	50.0	50.2	1.755178	1.763928		0.5	20
Pyrene	A	50.0	51.6	1.453826	1.501577		3.3	20
Pyridine	A	50.0	40.1	1.56847	1.257107		-19.9	20
1,2,4,5-Tetrachlorobenzene	A	50.0	49.7	0.687966	0.6839936		-0.6	20
1,2,4-Trichlorobenzene	A	50.0	52.9	0.3517043	0.3723081		5.9	20
2,4,5-Trichlorophenol	A	50.0	51.2	0.4578859	0.4693167		2.5	20
2,4,6-Trichlorophenol	A	50.0	52.1	0.4357215	0.4543119		4.3	20
2-Fluorophenol	A	100	94.7	1.234507	1.169153		-5.3	
Phenol-d6	A	100	99.6	1.602249	1.595697		-0.4	
Nitrobenzene-d5	A	50.0	51.9	0.3920845	0.4069364		3.8	
2-Fluorobiphenyl	A	50.0	49.2	1.167071	1.148173		-1.6	
2,4,6-Tribromophenol	A	100	114	0.1908833	0.2180332		14.2	
p-Terphenyl-d14	A	50.0	58.6	0.6810405	0.7983182		17.2	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits



**QA/QC Review of 8082A PCB Data for
Con-Test Analytical Laboratory, Work Order No: 19J0393**

**3 Soil Samples
Collected October 4, 2019**

Prepared by: Donald Anné
December 11, 2019

Holding Times: The samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analysis of the method blank reported target aroclors as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits on both columns for the soil samples.

Laboratory Control Sample: The relative percent differences for aroclor 1016 and aroclor 1260 were below the allowable maximums and percent recoveries were within QC limits on both columns for soil samples B242417-BS1 and B242417-BSD1.

Initial Calibration: The %RSDs for target aroclors were below the allowable maximum (20%) on both columns, as required.

Continuing Calibration: The %Ds for target aroclors were below the allowable maximum (15%) for on both columns, as required.

Surrogate Retention Time Summary: The retention times for surrogates were within the acceptance limits on both columns.

PCB Identification Summary: Checked surrogate results were within quantitation limits. The analyses of the soil samples reported target aroclors as not detected.



Geology

Hydrology

Remediation

Water Supply

**QA/QC Review of Metals Data for
Con-Test Analytical Laboratory
Work Order No: 19J0393**

**3 Soil Samples
Collected October 4, 2019**

Prepared by: Donald Anné
December 11, 2019

Holding Times: The samples were extracted and analyzed within USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals were within control limits (90-110% for all metals except Hg, 80-120% for Hg).

Low Level Calibration Verification: The percent drift for metals were below the laboratory allowable maximum (30%) for sample S042787-LCV1, as required.

CRDL Standard: The percent recovery for lead was within laboratory QC limits (80-120%) for sample B243002-MRL1.

Blanks: The analyses of initial and continuing calibration and method blanks reported target metals as not detected.

ICP Interference Check Sample: The percent recoveries for applicable metals were within control limits (80-120%).

Spike Sample Recovery: The percent recovery for lead was within control limits (75-125%) for soil TCLP spike sample TP-2 (0-2').

Laboratory Duplicates: The relative percent differences (RPDs) for applicable metals were below the allowable maximum (30%) for soil LCSs B243002-BS1 and B242992-BS1, as required. The RPD for TCLP lead was below the allowable maximum (20%) for TCLP LCS B242764-BS1, as required.

Laboratory Control Sample: The percent recoveries (%Rs) for target metals were within control limits for soil LCSs B243002-BS1 and B242992-BS1. The %Rs for TCLP lead were within control limits (80-120%) for TCLP LCS B242764-BS1.

Metals Data
Work Order No: 19J0393

Percent Solids: The percent solids for sample TP-2 (0-2') was below 50%, but not below 10%.
Positive results for target metals should be considered estimated (J) in sample TP-2 (0-2').

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-2 (0-2')

Sampled: 10/4/2019 08:10

Sample ID: 19J0393-01

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	9.0	0.68	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Acrylonitrile	ND	0.90	0.094	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.090	0.025	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Benzene	0.041	0.18	0.032	mg/Kg dry	1	J	SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Bromobenzene	ND	0.18	0.027	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Bromochloromethane	ND	0.18	0.058	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Bromodichloromethane	ND	0.18	0.029	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Bromoform	ND	0.18	0.083	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Bromomethane	ND	0.36	0.14	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
2-Butanone (MEK)	ND	3.6	0.35	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
tert-Butyl Alcohol (TBA)	ND	3.6	0.75	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
n-Butylbenzene	ND	0.18	0.038	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
sec-Butylbenzene	ND	0.18	0.029	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
tert-Butylbenzene	ND	0.18	0.031	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.090	0.029	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Carbon Disulfide	ND	0.90	0.80	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Carbon Tetrachloride	ND	0.18	0.020	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Chlorobenzene	ND	0.18	0.027	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Chlorodibromomethane	ND	0.090	0.038	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Chloroethane	ND	0.36	0.063	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Chloroform	ND	0.36	0.031	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Chloromethane	ND	0.36	0.081	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
2-Chlorotoluene	ND	0.18	0.022	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
4-Chlorotoluene	ND	0.18	0.025	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.90	0.096	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,2-Dibromoethane (EDB)	ND	0.090	0.034	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Dibromomethane	ND	0.18	0.067	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,2-Dichlorobenzene	ND	0.18	0.029	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,3-Dichlorobenzene	ND	0.18	0.022	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,4-Dichlorobenzene	ND	0.18	0.023	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
trans-1,4-Dichloro-2-butene	ND	0.36	0.056	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.36	0.047	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,1-Dichloroethane	ND	0.18	0.029	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,2-Dichloroethane	ND	0.18	0.074	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,1-Dichloroethylene	ND	0.18	0.058	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
cis-1,2-Dichloroethylene	ND	0.18	0.023	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
trans-1,2-Dichloroethylene	ND	0.18	0.056	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,2-Dichloropropane	ND	0.18	0.036	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,3-Dichloropropane	ND	0.090	0.020	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
2,2-Dichloropropane	ND	0.18	0.036	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,1-Dichloropropene	ND	0.36	0.029	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
cis-1,3-Dichloropropene	ND	0.090	0.023	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
trans-1,3-Dichloropropene	ND	0.090	0.041	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Diethyl Ether	ND	0.36	0.061	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-2 (0-2')

Sampled: 10/4/2019 08:10

Sample ID: 19J0393-01

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.090	0.031	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,4-Dioxane	ND	9.0	4.1	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Ethylbenzene	ND	0.18	0.023	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Hexachlorobutadiene	ND	0.18	0.085	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
2-Hexanone (MBK)	ND	1.8	0.27	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Isopropylbenzene (Cumene)	ND	0.18	0.031	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.18	0.036	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Methyl Acetate	ND	1.8	0.076	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.18	0.045	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Methyl Cyclohexane	ND	0.18	0.036	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Methylene Chloride	0.19	0.90	0.061	mg/Kg dry	1	J	SW-846 8260C	10/7/19	10/8/19 13:47	EEH
4-Methyl-2-pentanone (MIBK)	ND	1.8	0.30	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Naphthalene	ND	0.36	0.056	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
n-Propylbenzene	ND	0.18	0.023	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Styrene	ND	0.18	0.020	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,1,1,2-Tetrachloroethane	ND	0.18	0.049	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,1,2,2-Tetrachloroethane	ND	0.090	0.040	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Tetrachloroethylene	0.038	0.18	0.032	mg/Kg dry	1	J	SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Tetrahydrofuran	ND	1.8	0.092	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Toluene	0.029	0.18	0.025	mg/Kg dry	1	J	SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,2,3-Trichlorobenzene	ND	0.90	0.10	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,2,4-Trichlorobenzene	ND	0.18	0.072	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,3,5-Trichlorobenzene	ND	0.18	0.054	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,1,1-Trichloroethane	ND	0.18	0.036	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,1,2-Trichloroethane	ND	0.18	0.029	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Trichloroethylene	ND	0.18	0.043	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Trichlorofluoromethane (Freon 11)	ND	0.36	0.060	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,2,3-Trichloropropane	ND	0.36	0.045	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.18	0.058	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,2,4-Trimethylbenzene	ND	0.18	0.032	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
1,3,5-Trimethylbenzene	ND	0.18	0.025	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Vinyl Chloride	ND	0.36	0.081	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
m+p Xylene	ND	0.36	0.054	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
o-Xylene	ND	0.18	0.031	mg/Kg dry	1		SW-846 8260C	10/7/19	10/8/19 13:47	EEH
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	99.6	70-130							10/8/19 13:47	
Toluene-d8	99.2	70-130							10/8/19 13:47	
4-Bromofluorobenzene	97.0	70-130							10/8/19 13:47	

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-2 (0-2')

Sampled: 10/4/2019 08:10

Sample ID: 19J0393-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.36	0.19	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Acenaphthylene	ND	0.36	0.23	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Acetophenone	ND	0.73	0.28	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Aniline	ND	0.73	0.17	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Anthracene	ND	0.36	0.19	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Benzidine	ND	1.4	0.38	mg/Kg dry	1	V-35	SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Benzo(a)anthracene	ND	0.36	0.23	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Benzo(a)pyrene	ND	0.36	0.23	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Benzo(b)fluoranthene	ND	0.36	0.23	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Benzo(g,h,i)perylene	ND	0.36	0.21	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Benzo(k)fluoranthene	ND	0.36	0.23	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Benzoic Acid	ND	2.1	1.3	mg/Kg dry	1	UJ L-04	SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Bis(2-chloroethoxy)methane	ND	0.73	0.30	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Bis(2-chloroethyl)ether	ND	0.73	0.36	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Bis(2-chloroisopropyl)ether	ND	0.73	0.49	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.73	0.21	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
4-Bromophenylphenylether	ND	0.73	0.21	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Butylbenzylphthalate	ND	0.73	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Carbazole	ND	0.36	0.19	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
4-Chloroaniline	ND	1.4	0.30	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
4-Chloro-3-methylphenol	ND	1.4	0.30	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2-Chloronaphthalene	ND	0.73	0.21	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2-Chlorophenol	ND	0.73	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
4-Chlorophenylphenylether	ND	0.73	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Chrysene	ND	0.36	0.23	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Dibenz(a,h)anthracene	ND	0.36	0.21	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Dibenzofuran	ND	0.73	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Di-n-butylphthalate	ND	0.73	0.21	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
1,2-Dichlorobenzene	ND	0.73	0.21	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
1,3-Dichlorobenzene	ND	0.73	0.21	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
1,4-Dichlorobenzene	ND	0.73	0.19	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
3,3-Dichlorobenzidine	ND	0.36	0.28	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2,4-Dichlorophenol	ND	0.73	0.21	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Diethylphthalate	ND	0.73	0.30	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2,4-Dimethylphenol	ND	0.73	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Dimethylphthalate	ND	0.73	0.28	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
4,6-Dinitro-2-methylphenol	ND	0.73	0.64	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2,4-Dinitrophenol	ND	1.4	0.98	mg/Kg dry	1	UJ L-04	SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2,4-Dinitrotoluene	ND	0.73	0.34	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2,6-Dinitrotoluene	ND	0.73	0.34	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Di-n-octylphthalate	ND	0.73	0.32	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	0.73	0.21	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Fluoranthene	ND	0.36	0.21	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Fluorene	ND	0.36	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-2 (0-2')

Sampled: 10/4/2019 08:10

Sample ID: 19J0393-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.73	0.19	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Hexachlorobutadiene	ND	0.73	0.28	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Hexachlorocyclopentadiene	ND	0.73	0.60	mg/Kg dry	1	UJ L-04, V-05	SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Hexachloroethane	ND	0.73	0.23	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Indeno(1,2,3-cd)pyrene	ND	0.36	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Isophorone	ND	0.73	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
1-Methylnaphthalene	ND	0.36	0.19	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2-Methylnaphthalene	ND	0.36	0.23	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2-Methylphenol	ND	0.73	0.28	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
3/4-Methylphenol	ND	0.73	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Naphthalene	ND	0.36	0.23	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2-Nitroaniline	ND	0.73	0.43	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
3-Nitroaniline	ND	0.73	0.30	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
4-Nitroaniline	ND	0.73	0.28	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Nitrobenzene	ND	0.73	0.30	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2-Nitrophenol	ND	0.73	0.30	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
4-Nitrophenol	ND	1.4	0.51	mg/Kg dry	1	V-20	SW-846 8270D	10/14/19	10/15/19 9:52	BGL
N-Nitrosodimethylamine	ND	0.73	0.38	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.73	0.21	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
N-Nitrosodi-n-propylamine	ND	0.73	0.32	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Pentachloronitrobenzene	ND	0.73	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Pentachlorophenol	ND	0.73	0.49	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Phenanthrene	ND	0.36	0.19	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Phenol	ND	0.73	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Pyrene	ND	0.36	0.23	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
Pyridine	ND	0.73	0.21	mg/Kg dry	1	UJ	SW-846 8270D	10/14/19	10/15/19 9:52	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.73	0.28	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
1,2,4-Trichlorobenzene	ND	0.73	0.23	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2,4,5-Trichlorophenol	ND	0.73	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL
2,4,6-Trichlorophenol	ND	0.73	0.26	mg/Kg dry	1		SW-846 8270D	10/14/19	10/15/19 9:52	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	51.6	30-130	10/15/19 9:52
Phenol-d6	60.6	30-130	10/15/19 9:52
Nitrobenzene-d5	67.5	30-130	10/15/19 9:52
2-Fluorobiphenyl	72.0	30-130	10/15/19 9:52
2,4,6-Tribromophenol	58.5	30-130	10/15/19 9:52
p-Terphenyl-d14	73.9	30-130	10/15/19 9:52

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-2 (0-2')

Sampled: 10/4/2019 08:10

Sample ID: 19J0393-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.16	0.073	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:16	WAL
Aroclor-1221 [1]	ND	0.16	0.12	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:16	WAL
Aroclor-1232 [1]	ND	0.16	0.15	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:16	WAL
Aroclor-1242 [1]	ND	0.16	0.12	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:16	WAL
Aroclor-1248 [1]	ND	0.16	0.057	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:16	WAL
Aroclor-1254 [1]	ND	0.16	0.065	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:16	WAL
Aroclor-1260 [1]	ND	0.16	0.089	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:16	WAL
Aroclor-1262 [1]	ND	0.16	0.081	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:16	WAL
Aroclor-1268 [1]	ND	0.16	0.13	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:16	WAL
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		61.6	30-150						10/9/19 21:16	
Decachlorobiphenyl [2]		77.3	30-150						10/9/19 21:16	
Tetrachloro-m-xylene [1]		70.9	30-150						10/9/19 21:16	
Tetrachloro-m-xylene [2]		75.1	30-150						10/9/19 21:16	

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-2 (0-2')

Sampled: 10/4/2019 08:10

Sample ID: 19J0393-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	4.1	3.4	0.66	mg/Kg dry	1	HHHHH	SW-846 6010D	10/11/19	10/14/19 21:03	TBC/MJH
Barium	130	3.4	0.73	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:03	TBC/MJH
Cadmium	0.52	0.34	0.12	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:03	TBC/MJH
Chromium	12	0.68	0.49	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:03	TBC/MJH
Lead	390	1.0	0.42	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:03	TBC/MJH
Mercury	0.064	0.051	0.015	mg/Kg dry	1		SW-846 7471B	10/11/19	10/12/19 13:01	AJL
Selenium	ND	6.8	3.3	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:03	TBC/MJH
Silver	ND	0.68	0.30	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:03	TBC/MJH

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-2 (0-2')

Sampled: 10/4/2019 08:10

Sample ID: 19J0393-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	46.7		% Wt	1		SM 2540G	10/8/19	10/8/19 9:08	MJR

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-2 (0-2')

Sampled: 10/4/2019 08:10

Sample ID: 19J0393-01

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	ND	0.10	mg/L	1		SW-846 6010D	10/9/19	10/10/19 20:22	MJH

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-2 (0-2')

Sampled: 10/4/2019 08:10

Sample ID: 19J0393-01

Sample Matrix: Soil

Inorganic Analyses - Asbestos

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Asbestos - Chrysotile	<1		%	1		ELAP 198.1	10/16/19	0:00	EMSL
Asbestos - Amosite	<1		%	1		ELAP 198.1	10/16/19	0:00	EMSL
Asbestos - Crocidolite	ND		%	1		ELAP 198.1	10/16/19	0:00	EMSL
Asbestos - Actinolite	ND		%	1		ELAP 198.1	10/16/19	0:00	EMSL
Asbestos - Tremolite	ND		%	1		ELAP 198.1	10/16/19	0:00	EMSL
Asbestos - Anthophyllite	ND		%	1		ELAP 198.1	10/16/19	0:00	EMSL
Fiberglass	ND		%	1		ELAP 198.1	10/16/19	0:00	EMSL
Mineral Wool	ND		%	1		ELAP 198.1	10/16/19	0:00	EMSL
Cellulose	<2		%	1		ELAP 198.1	10/16/19	0:00	EMSL
Hair	ND		%	1		ELAP 198.1	10/16/19	0:00	EMSL
Synthetic	ND		%	1		ELAP 198.1	10/16/19	0:00	EMSL
Other Non-asbestos	<1		%	1		ELAP 198.1	10/16/19	0:00	EMSL
Non-Fibrous Minerals	98		%	1		ELAP 198.1	10/16/19	0:00	EMSL
Binder/Filler	ND		%	1		ELAP 198.1	10/16/19	0:00	EMSL
Organic Material	ND		%	1		ELAP 198.1	10/16/19	0:00	EMSL
Gypsum	ND		%	1		ELAP 198.1	10/16/19	0:00	EMSL

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (0-2')

Sampled: 10/4/2019 08:40

Sample ID: 19J0393-02

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.22	0.019	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Acrylonitrile	ND	0.013	0.0022	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Benzene	ND	0.0044	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Bromobenzene	ND	0.0044	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Bromochloromethane	ND	0.0089	0.0018	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Bromodichloromethane	ND	0.0044	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Bromoform	ND	0.0089	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Bromomethane	ND	0.022	0.0024	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
2-Butanone (MEK)	ND	0.089	0.012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
tert-Butyl Alcohol (TBA)	ND	0.089	0.010	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
n-Butylbenzene	ND	0.0044	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
sec-Butylbenzene	ND	0.0044	0.0018	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
tert-Butylbenzene	ND	0.0044	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0022	0.00044	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Carbon Disulfide	ND	0.013	0.012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Carbon Tetrachloride	ND	0.0044	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Chlorobenzene	ND	0.0044	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Chlorodibromomethane	ND	0.0044	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Chloroethane	ND	0.044	0.0018	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Chloroform	ND	0.0089	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Chloromethane	ND	0.022	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
2-Chlorotoluene	ND	0.0044	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
4-Chlorotoluene	ND	0.0044	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0044	0.0022	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,2-Dibromoethane (EDB)	ND	0.0022	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Dibromomethane	ND	0.0044	0.0018	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,2-Dichlorobenzene	ND	0.0044	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,3-Dichlorobenzene	ND	0.0044	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,4-Dichlorobenzene	ND	0.0044	0.0018	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
trans-1,4-Dichloro-2-butene	ND	0.0089	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.044	0.0024	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,1-Dichloroethane	ND	0.0044	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,2-Dichloroethane	ND	0.0044	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,1-Dichloroethylene	ND	0.0089	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
cis-1,2-Dichloroethylene	ND	0.0044	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
trans-1,2-Dichloroethylene	ND	0.0044	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,2-Dichloropropane	ND	0.0044	0.0018	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,3-Dichloropropane	ND	0.0022	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
2,2-Dichloropropane	ND	0.0044	0.0018	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,1-Dichloropropene	ND	0.0089	0.0018	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
cis-1,3-Dichloropropene	ND	0.0022	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
trans-1,3-Dichloropropene	ND	0.0022	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Diethyl Ether	ND	0.044	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (0-2')

Sampled: 10/4/2019 08:40

Sample ID: 19J0393-02

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0022	0.00044	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,4-Dioxane	ND	0.22	0.012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Ethylbenzene	ND	0.0044	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Hexachlorobutadiene	ND	0.0044	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
2-Hexanone (MBK)	ND	0.044	0.0044	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Isopropylbenzene (Cumene)	ND	0.0044	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0044	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Methyl Acetate	ND	0.0044	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0089	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Methyl Cyclohexane	ND	0.0044	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Methylene Chloride	ND	0.044	0.0022	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.044	0.0056	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Naphthalene	ND	0.0089	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
n-Propylbenzene	ND	0.0044	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Styrene	ND	0.0044	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,1,1,2-Tetrachloroethane	ND	0.0044	0.0022	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,1,2,2-Tetrachloroethane	ND	0.0022	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Tetrachloroethylene	ND	0.0044	0.0027	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Tetrahydrofuran	ND	0.022	0.0024	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Toluene	ND	0.0044	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,2,3-Trichlorobenzene	ND	0.0044	0.0022	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,2,4-Trichlorobenzene	ND	0.0044	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,3,5-Trichlorobenzene	ND	0.0044	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,1,1-Trichloroethane	ND	0.0044	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,1,2-Trichloroethane	ND	0.0044	0.00089	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Trichloroethylene	ND	0.0044	0.0018	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Trichlorofluoromethane (Freon 11)	ND	0.022	0.0016	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,2,3-Trichloropropane	ND	0.0089	0.0018	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.022	0.0018	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,2,4-Trimethylbenzene	ND	0.0044	0.00067	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
1,3,5-Trimethylbenzene	ND	0.0044	0.0011	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
Vinyl Chloride	ND	0.022	0.0020	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
m+p Xylene	ND	0.0089	0.0022	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF
o-Xylene	ND	0.0044	0.0013	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:20	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	Date/Time Analyzed
1,2-Dichloroethane-d4	97.7	70-130		10/8/19 14:20
Toluene-d8	86.6	70-130		10/8/19 14:20
4-Bromofluorobenzene	104	70-130		10/8/19 14:20

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (0-2')

Sampled: 10/4/2019 08:40

Sample ID: 19J0393-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.25	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Acenaphthylene	ND	0.25	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Acetophenone	ND	0.49	0.19	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Aniline	ND	0.49	0.12	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Anthracene	ND	0.25	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Benzidine	ND	0.96	0.26	mg/Kg dry	1	V-35	SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Benzo(a)anthracene	0.25	0.25	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Benzo(a)pyrene	0.23	0.25	0.16	mg/Kg dry	1	J	SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Benzo(b)fluoranthene	0.37	0.25	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Benzo(g,h,i)perylene	0.19	0.25	0.15	mg/Kg dry	1	J	SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Benzo(k)fluoranthene	ND	0.25	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Benzoic Acid	ND	1.5	0.86	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Bis(2-chloroethoxy)methane	ND	0.49	0.20	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Bis(2-chloroethyl)ether	ND	0.49	0.25	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Bis(2-chloroisopropyl)ether	ND	0.49	0.33	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.49	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
4-Bromophenylphenylether	ND	0.49	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Butylbenzylphthalate	ND	0.49	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Carbazole	ND	0.25	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
4-Chloroaniline	ND	0.96	0.20	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
4-Chloro-3-methylphenol	ND	0.96	0.20	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2-Chloronaphthalene	ND	0.49	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2-Chlorophenol	ND	0.49	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
4-Chlorophenylphenylether	ND	0.49	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Chrysene	0.32	0.25	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Dibenz(a,h)anthracene	ND	0.25	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Dibenzofuran	ND	0.49	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Di-n-butylphthalate	ND	0.49	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
1,2-Dichlorobenzene	ND	0.49	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
1,3-Dichlorobenzene	ND	0.49	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
1,4-Dichlorobenzene	ND	0.49	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
3,3-Dichlorobenzidine	ND	0.25	0.19	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2,4-Dichlorophenol	ND	0.49	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Diethylphthalate	ND	0.49	0.20	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2,4-Dimethylphenol	ND	0.49	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Dimethylphthalate	ND	0.49	0.19	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
4,6-Dinitro-2-methylphenol	ND	0.49	0.44	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2,4-Dinitrophenol	ND	0.96	0.67	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2,4-Dinitrotoluene	ND	0.49	0.23	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2,6-Dinitrotoluene	ND	0.49	0.23	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Di-n-octylphthalate	ND	0.49	0.22	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.49	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Fluoranthene	0.49	0.25	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Fluorene	ND	0.25	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (0-2')

Sampled: 10/4/2019 08:40

Sample ID: 19J0393-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.49	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Hexachlorobutadiene	ND	0.49	0.19	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Hexachlorocyclopentadiene	ND	0.49	0.41	mg/Kg dry	1	V-05	SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Hexachloroethane	ND	0.49	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Indeno(1,2,3-cd)pyrene	0.21	0.25	0.17	mg/Kg dry	1	J	SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Isophorone	ND	0.49	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
1-Methylnaphthalene	ND	0.25	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2-Methylnaphthalene	ND	0.25	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2-Methylphenol	ND	0.49	0.19	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
3/4-Methylphenol	ND	0.49	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Naphthalene	ND	0.25	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2-Nitroaniline	ND	0.49	0.29	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
3-Nitroaniline	ND	0.49	0.20	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
4-Nitroaniline	ND	0.49	0.19	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Nitrobenzene	ND	0.49	0.20	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2-Nitrophenol	ND	0.49	0.20	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
4-Nitrophenol	ND	0.96	0.35	mg/Kg dry	1	V-20	SW-846 8270D	10/11/19	10/14/19 10:16	KLB
N-Nitrosodimethylamine	ND	0.49	0.26	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.49	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
N-Nitrosodi-n-propylamine	ND	0.49	0.22	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Pentachloronitrobenzene	ND	0.49	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Pentachlorophenol	ND	0.49	0.33	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Phenanthrene	0.20	0.25	0.13	mg/Kg dry	1	J	SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Phenol	ND	0.49	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Pyrene	0.58	0.25	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
Pyridine	ND	0.49	0.15	mg/Kg dry	1	V-05	SW-846 8270D	10/11/19	10/14/19 10:16	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.49	0.19	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
1,2,4-Trichlorobenzene	ND	0.49	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2,4,5-Trichlorophenol	ND	0.49	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB
2,4,6-Trichlorophenol	ND	0.49	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:16	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	68.1	30-130	10/14/19 10:16
Phenol-d6	72.1	30-130	10/14/19 10:16
Nitrobenzene-d5	74.0	30-130	10/14/19 10:16
2-Fluorobiphenyl	79.2	30-130	10/14/19 10:16
2,4,6-Tribromophenol	96.5	30-130	10/14/19 10:16
p-Terphenyl-d14	107	30-130	10/14/19 10:16

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (0-2')

Sampled: 10/4/2019 08:40

Sample ID: 19J0393-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	0.049	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:33	WAL
Aroclor-1221 [1]	ND	0.11	0.081	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:33	WAL
Aroclor-1232 [1]	ND	0.11	0.097	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:33	WAL
Aroclor-1242 [1]	ND	0.11	0.081	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:33	WAL
Aroclor-1248 [1]	ND	0.11	0.038	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:33	WAL
Aroclor-1254 [1]	ND	0.11	0.043	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:33	WAL
Aroclor-1260 [1]	ND	0.11	0.059	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:33	WAL
Aroclor-1262 [1]	ND	0.11	0.054	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:33	WAL
Aroclor-1268 [1]	ND	0.11	0.086	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:33	WAL
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		76.3	30-150						10/9/19 21:33	
Decachlorobiphenyl [2]		91.9	30-150						10/9/19 21:33	
Tetrachloro-m-xylene [1]		81.0	30-150						10/9/19 21:33	
Tetrachloro-m-xylene [2]		81.4	30-150						10/9/19 21:33	

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (0-2')

Sampled: 10/4/2019 08:40

Sample ID: 19J0393-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.5	0.48	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:08	TBC/MJH
Barium	400	2.5	0.53	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:08	TBC/MJH
Cadmium	ND	0.25	0.089	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:08	TBC/MJH
Chromium	72	0.50	0.36	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:08	TBC/MJH
Lead	3300	0.75	0.30	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:08	TBC/MJH
Mercury	0.44	0.037	0.011	mg/Kg dry	1		SW-846 7471B	10/11/19	10/12/19 13:02	AJL
Selenium	ND	5.0	2.4	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:08	TBC/MJH
Silver	ND	0.50	0.22	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:08	TBC/MJH

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (0-2')

Sampled: 10/4/2019 08:40

Sample ID: 19J0393-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APIA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	68.5		% Wt	1		SM 2540G	10/8/19	10/8/19 9:09	MJR

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (0-2')

Sampled: 10/4/2019 08:40

Sample ID: 19J0393-02

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	ND	0.10	mg/L	1		SW-846 6010D	10/9/19	10/10/19 20:30	MJH

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (0-2')

Sampled: 10/4/2019 08:40

Sample ID: 19J0393-02

Sample Matrix: Soil

Inorganic Analyses - Asbestos

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Asbestos - Chrysotile	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Amosite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Crocidolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Actinolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Tremolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Anthophyllite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Fiberglass	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Mineral Wool	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Cellulose	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Hair	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Synthetic	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Other Non-asbestos	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Non-Fibrous Minerals	100		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Binder/Filler	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Organic Material	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Gypsum	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (4-5')

Sampled: 10/4/2019 09:25

Sample ID: 19J0393-03

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.14	0.012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Acrylonitrile	ND	0.0083	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0014	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Benzene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Bromobenzene	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Bromochloromethane	ND	0.0055	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Bromodichloromethane	ND	0.0028	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Bromoform	ND	0.0055	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Bromomethane	ND	0.014	0.0015	mg/Kg dry	1	V-34	SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
2-Butanone (MEK)	ND	0.055	0.0076	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
tert-Butyl Alcohol (TBA)	ND	0.055	0.0062	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
n-Butylbenzene	ND	0.0028	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
sec-Butylbenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
tert-Butylbenzene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0014	0.00028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Carbon Disulfide	ND	0.0083	0.0075	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Carbon Tetrachloride	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Chlorobenzene	ND	0.0028	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Chlorodibromomethane	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Chloroethane	ND	0.028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Chloroform	ND	0.0055	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Chloromethane	ND	0.014	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
2-Chlorotoluene	ND	0.0028	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
4-Chlorotoluene	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Dibromomethane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,2-Dichlorobenzene	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,3-Dichlorobenzene	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,4-Dichlorobenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
trans-1,4-Dichloro-2-butene	ND	0.0055	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.028	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,1-Dichloroethane	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,2-Dichloroethane	ND	0.0028	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,1-Dichloroethylene	ND	0.0055	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
cis-1,2-Dichloroethylene	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
trans-1,2-Dichloroethylene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,2-Dichloropropane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,3-Dichloropropane	ND	0.0014	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
2,2-Dichloropropane	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,1-Dichloropropene	ND	0.0055	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
cis-1,3-Dichloropropene	ND	0.0014	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
trans-1,3-Dichloropropene	ND	0.0014	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Diethyl Ether	ND	0.028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (4-5')

Sampled: 10/4/2019 09:25

Sample ID: 19J0393-03

Sample Matrix: Soil

Sample Flags: PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0014	0.00028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,4-Dioxane	ND	0.14	0.0073	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Ethylbenzene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Hexachlorobutadiene	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
2-Hexanone (MBK)	ND	0.028	0.0028	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Isopropylbenzene (Cumene)	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0028	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Methyl Acetate	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0055	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Methyl Cyclohexane	ND	0.0028	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Methylene Chloride	0.0058	0.028	0.0014	mg/Kg dry	1	J	SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.028	0.0035	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Naphthalene	ND	0.0055	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
n-Propylbenzene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Styrene	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,1,1,2-Tetrachloroethane	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,1,2,2-Tetrachloroethane	ND	0.0014	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Tetrachloroethylene	ND	0.0028	0.0017	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Tetrahydrofuran	ND	0.014	0.0015	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Toluene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,2,3-Trichlorobenzene	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,2,4-Trichlorobenzene	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,3,5-Trichlorobenzene	ND	0.0028	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,1,1-Trichloroethane	ND	0.0028	0.00069	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,1,2-Trichloroethane	ND	0.0028	0.00055	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Trichloroethylene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Trichlorofluoromethane (Freon 11)	ND	0.014	0.00097	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,2,3-Trichloropropane	ND	0.0055	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.014	0.0011	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,2,4-Trimethylbenzene	ND	0.0028	0.00042	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
1,3,5-Trimethylbenzene	ND	0.0028	0.00069	mg/Kg dry	1	R-05	SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Vinyl Chloride	ND	0.014	0.0012	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
m+p Xylene	ND	0.0055	0.0014	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
o-Xylene	ND	0.0028	0.00083	mg/Kg dry	1		SW-846 8260C-D	10/7/19	10/8/19 14:47	MFF
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	96.8	70-130								10/8/19 14:47
Toluene-d8	118	70-130								10/8/19 14:47
4-Bromofluorobenzene	104	70-130								10/8/19 14:47

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (4-5')

Sampled: 10/4/2019 09:25

Sample ID: 19J0393-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Acenaphthylene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Acetophenone	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Aniline	ND	0.39	0.092	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Anthracene	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Benzidine	ND	0.76	0.21	mg/Kg dry	1	V-35	SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Benzo(a)anthracene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Benzo(a)pyrene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Benzo(b)fluoranthene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Benzo(g,h,i)perylene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Benzo(k)fluoranthene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Benzoic Acid	ND	1.1	0.68	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Bis(2-chloroethoxy)methane	ND	0.39	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Bis(2-chloroethyl)ether	ND	0.39	0.20	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Bis(2-chloroisopropyl)ether	ND	0.39	0.26	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.39	0.11	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
4-Bromophenylphenylether	ND	0.39	0.11	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Butylbenzylphthalate	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Carbazole	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
4-Chloroaniline	ND	0.76	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
4-Chloro-3-methylphenol	ND	0.76	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2-Chloronaphthalene	ND	0.39	0.11	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2-Chlorophenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
4-Chlorophenylphenylether	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Chrysene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Dibenz(a,h)anthracene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Dibenzofuran	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Di-n-butylphthalate	ND	0.39	0.11	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
1,2-Dichlorobenzene	ND	0.39	0.11	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
1,3-Dichlorobenzene	ND	0.39	0.11	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
1,4-Dichlorobenzene	ND	0.39	0.10	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
3,3-Dichlorobenzidine	ND	0.20	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2,4-Dichlorophenol	ND	0.39	0.11	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Diethylphthalate	ND	0.39	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2,4-Dimethylphenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Dimethylphthalate	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
4,6-Dinitro-2-methylphenol	ND	0.39	0.34	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2,4-Dinitrophenol	ND	0.76	0.53	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2,4-Dinitrotoluene	ND	0.39	0.18	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2,6-Dinitrotoluene	ND	0.39	0.18	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Di-n-octylphthalate	ND	0.39	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
1,2-Diphenylhydrazine/Azobenzene	ND	0.39	0.11	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Fluoranthene	ND	0.20	0.11	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Fluorene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (4-5')

Sampled: 10/4/2019 09:25

Sample ID: 19J0393-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.39	0.10	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Hexachlorobutadiene	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Hexachlorocyclopentadiene	ND	0.39	0.32	mg/Kg dry	1	V-05	SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Hexachloroethane	ND	0.39	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Indeno(1,2,3-cd)pyrene	ND	0.20	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Isophorone	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
1-Methylnaphthalene	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2-Methylnaphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2-Methylphenol	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
3/4-Methylphenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Naphthalene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2-Nitroaniline	ND	0.39	0.23	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
3-Nitroaniline	ND	0.39	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
4-Nitroaniline	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Nitrobenzene	ND	0.39	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2-Nitrophenol	ND	0.39	0.16	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
4-Nitrophenol	ND	0.76	0.28	mg/Kg dry	1	V-20	SW-846 8270D	10/11/19	10/14/19 10:38	KLB
N-Nitrosodimethylamine	ND	0.39	0.21	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.39	0.11	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
N-Nitrosodi-n-propylamine	ND	0.39	0.17	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Pentachloronitrobenzene	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Pentachlorophenol	ND	0.39	0.26	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Phenanthrene	ND	0.20	0.10	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Phenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Pyrene	ND	0.20	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
Pyridine	ND	0.39	0.11	mg/Kg dry	1	V-05	SW-846 8270D	10/11/19	10/14/19 10:38	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.39	0.15	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
1,2,4-Trichlorobenzene	ND	0.39	0.13	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2,4,5-Trichlorophenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB
2,4,6-Trichlorophenol	ND	0.39	0.14	mg/Kg dry	1		SW-846 8270D	10/11/19	10/14/19 10:38	KLB

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	65.8	30-130	10/14/19 10:38
Phenol-d6	68.3	30-130	10/14/19 10:38
Nitrobenzene-d5	69.3	30-130	10/14/19 10:38
2-Fluorobiphenyl	76.8	30-130	10/14/19 10:38
2,4,6-Tribromophenol	98.4	30-130	10/14/19 10:38
p-Terphenyl-d14	101	30-130	10/14/19 10:38

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (4-5')

Sampled: 10/4/2019 09:25

Sample ID: 19J0393-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	0.041	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:51	WAL
Aroclor-1221 [1]	ND	0.091	0.068	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:51	WAL
Aroclor-1232 [1]	ND	0.091	0.082	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:51	WAL
Aroclor-1242 [1]	ND	0.091	0.068	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:51	WAL
Aroclor-1248 [1]	ND	0.091	0.032	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:51	WAL
Aroclor-1254 [1]	ND	0.091	0.036	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:51	WAL
Aroclor-1260 [1]	ND	0.091	0.050	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:51	WAL
Aroclor-1262 [1]	ND	0.091	0.045	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:51	WAL
Aroclor-1268 [1]	ND	0.091	0.073	mg/Kg dry	4		SW-846 8082A	10/7/19	10/9/19 21:51	WAL
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]		84.6	30-150						10/9/19 21:51	
Decachlorobiphenyl [2]		95.2	30-150						10/9/19 21:51	
Tetrachloro-m-xylene [1]		85.3	30-150						10/9/19 21:51	
Tetrachloro-m-xylene [2]		82.3	30-150						10/9/19 21:51	

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (4-5')

Sampled: 10/4/2019 09:25

Sample ID: 19J0393-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.6	1.9	0.36	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:14	TBC/MJH
Barium	300	1.9	0.40	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:14	TBC/MJH
Cadmium	ND	0.19	0.067	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:14	TBC/MJH
Chromium	29	0.37	0.27	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:14	TBC/MJH
Lead	180	0.56	0.23	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:14	TBC/MJH
Mercury	0.49	0.030	0.0090	mg/Kg dry	1		SW-846 7471B	10/11/19	10/12/19 13:04	AJL
Selenium	ND	3.7	1.8	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:14	TBC/MJH
Silver	1.7	0.37	0.16	mg/Kg dry	1		SW-846 6010D	10/11/19	10/14/19 21:14	TBC/MJH

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (4-5')

Sampled: 10/4/2019 09:25

Sample ID: 19J0393-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.1		% Wt	1		SM 2540G	10/8/19	10/8/19 9:09	MJR

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (4-5')

Sampled: 10/4/2019 09:25

Sample ID: 19J0393-03

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	ND	0.10	mg/L	1		SW-846 6010D	10/9/19	10/10/19 20:36	MJH

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

Project Location: Thompson's Mill

Sample Description:

Work Order: 19J0393

Date Received: 10/4/2019

Field Sample #: TP-1 (4-5')

Sampled: 10/4/2019 09:25

Sample ID: 19J0393-03

Sample Matrix: Soil

Inorganic Analyses - Asbestos

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Asbestos - Chrysotile	<1		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Amosite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Crocidolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Actinolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Tremolite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Asbestos - Anthophyllite	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Fiberglass	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Mineral Wool	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Cellulose	<1		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Hair	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Synthetic	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Other Non-asbestos	<1		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Non-Fibrous Minerals	100		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Binder/Filler	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Organic Material	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL
Gypsum	ND		%	1		ELAP 198.1		10/16/19 0:00	EMSL