



**Department of
Environmental
Conservation**

FORT EDWARD LANDFILL 2018 ANNUAL GROUNDWATER MONITORING REPORT

Site Number 558001

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Site Number 558001

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CONTENTS

Executive Summary	1-1
1 Site Overview.....	1-1
1.1 Site Description	1-1
1.2 Site History	1-1
1.3 Landfill Closure, Remedial Activities, and Current Status.....	1-2
2 Groundwater Monitoring Program	2-1
2.1 Groundwater Monitoring Well Inspection	2-1
2.2 Water Level Survey	2-1
2.3 Groundwater Sampling.....	2-1
2.4 Groundwater Analytical Results	2-2
2.4.1 VOCs.....	2-2
2.4.2 PCBs	2-3
2.4.3 Metals.....	2-3
Iron	2-4
Magnesium	2-4
Manganese	2-4
Sodium	2-4
2.4.4 General Chemistry	2-4
3 Surface Water and Sediment Sampling	3-1
3.1 Surface Water.....	3-1
3.1.1 VOCs.....	3-1
3.1.2 PCBs	3-1
3.1.3 Metals.....	3-1
3.1.4 General Chemistry	3-2
3.2 Sediment	3-1
3.2.1 VOCs.....	3-1
3.2.2 PCBs	3-1
3.2.3 Metals.....	3-1
4 Conclusions and Recommendations	4-1

4.1	Conclusions	4-1
4.2	Recommendations.....	4-1

TABLES

Table 1	Groundwater Elevation Data
Table 2	Volatile Organic Compound Analytical Results for 2018 Groundwater
Table 3	PCB Analytical Results for 2018 Groundwater
Table 4	Metals Analytical Results for 2018 Groundwater
Table 5	General Chemistry Analytical Results for 2018 Groundwater
Table 6	Volatile Organic Compounds Analytical Results for 2018 Surface Water
Table 7	PCB Analytical Results for 2018 Surface Water
Table 8	Metals Analytical Results for 2018 Surface Water
Table 9	General Chemistry Analytical Results for 2018 Surface Water
Table 10	Volatile Organic Compound Analytical Results for 2018 Sediment
Table 11	PCB Analytical Results for 2018 Sediment
Table 12	Metals Analytical Results for 2018 Sediment
Table 13	Analytical Data May 1995 - October 2018 (trend analysis data)

FIGURES

Figure 1	Site Location Map
Figure 2	Potentiometric Contours October 2018
Figure 3	Total VOCs in Upgradient Groundwater
Figure 4	Total VOCs in Downgradient Groundwater
Figure 5	Total PCBs in Upgradient Groundwater
Figure 6	Total PCBs in Downgradient Groundwater
Figure 7	Iron in Upgradient Groundwater
Figure 8	Iron in Downgradient Groundwater
Figure 9	Surface Water and Sediment Sampling Locations
Figure 10	Groundwater Analytical Results

APPENDICES

- A Groundwater Sampling Purge Logs
- B Analytical Data Packages

EXECUTIVE SUMMARY

This Annual Groundwater Monitoring Report is a required element of the remedial program and the August 2015 Site Management Plan (SMP) for the Fort Edward Landfill located in Fort Edward, New York (hereinafter referred to as the "site"). The site is currently in the New York State (NYS) Inactive Hazardous Waste Disposal Site Remedial Program, Site No. 558001, which is administered by New York State Department of Environmental Conservation (NYSDEC). As the standby consultant, Arcadis CE, Inc. (Arcadis) is submitting this report for the following reporting period: January 1, 2017 through December 31, 2017. Arcadis was assigned the project (WA No: D007618-10) in August 2016. Arcadis has prepared this report to summarize the annual groundwater, surface water, and sediment sampling results.

General Electric, Inc. (GE) historically disposed of approximately 850 tons of polychlorinated biphenyl (PCB)-containing scrap capacitors at this landfill. This waste represents approximately 79% of the total hazardous waste identified at this site. As a result of the 1980 "Seven Site Agreement" with the NYSDEC, GE produced a report in 1983 recommending encapsulation of the landfill within a slurry wall and cap; however, operation continued until 1991 and the proposed remedy was not initiated. Due to the extended operation of this landfill and the given problems associated with a similar encapsulation remedy taken at the adjacent Kingsbury Landfill (Site 5-58-008), the 1983 Remedial Design proposal was modified. The modified remedy included the construction of a low permeable landfill cap and a leachate collection system, and the construction of a pre-treatment building with final treatment in the three (3) constructed wetland treatment cells (CWTS) (Cell 1, Cell 2, and Cell 3) and a polishing pond.

Based upon remedial and pre-design investigations, it was concluded that landfill-derived contaminants, including PCBs, volatile organic compounds (VOCs), and iron were migrating from the site through the pathways of groundwater and leachate seepage to surface water. PCBs have been present in wells upgradient, downgradient, and in the footprint of the landfill.

As part of the corrective measures process, leachate collection and treatment system upgrades were completed in 2017. Performance of the upgraded system was evaluated and documented in the 2017 Periodic Review Report and Annual Groundwater Report.

1 SITE OVERVIEW

The Fort Edward Landfill is a roughly 23-acre site located at 45 Leavy Hollow Lane in the Town of Fort Edward, New York (Figure 1). The site is bounded by the Glens Falls Feeder Canal to the northeast; by a wooded area, private residences and commercial businesses (Burgoyne Avenue) to the northwest; by Leavy Hollow Lane and private residences to the west and southwest; by farm fields to the south and east; and by a bike path to the east.

The landfill contains non-hazardous municipal waste and hazardous industrial waste, including PCB-containing electrical components and solvents. The landfill requires continued site management including operation, maintenance and monitoring (OM&M) of the active leachate collection and treatment system, which has been in operation since late 1998.

The geology underlying the site consists of variable thickness of glacially deposited soil underlain by black shale bedrock. The glacial soil consists of delta sands and interbedded sand-clay lenses. The deltaic sediments overlay lacustrine clay and glacial till. On-site monitoring wells are screened in the shallow delta sands (MW-1, MW-2, MW-5, MW-6, MW-7, MW-8, and MW-9), the interbedded sand and clay (MW-2A and MW-6A), the deeper lacustrine clays (MW-1A and MW-6B), and shale (MW-1D). The extraction wells (EW-1 through EW-3) are screened at the landfill waste/delta sand interface. Water extracted from EW-1 through EW-3 is pumped through a force main to the treatment system.

Perforated piping was installed to along the perimeter of the south, and portions of the eastern, landfill cells, to collect leachate. The leachate collected in these pipes drains by gravity to a leachate collection well (EW-4). From there, the leachate is pumped through the force main to the treatment system.

1.1 Site Description

Topography in the immediate vicinity of the site is characterized by undulating hills, interspersed with slopes and small depressions. The eastern portion of the site is distinguished as a flat, low-lying area which contains several substantial wetlands. A gravel road provides access to the top of the landfill and the wetland expansion areas to the east. Residences are located nearby to the south and the west.

1.2 Site History

The Fort Edward Landfill was used for the disposal of approximately 70% municipal waste and approximately 30% PCB-containing scrap capacitor waste from GE, as well as solvents, from 1969 to 1982. Following a rise in public concern regarding the use of PCBs in the late 1970s, investigation began on the Fort Edward Landfill Site among others, and the site was placed on the New York State Registry of Inactive Hazardous Waste Sites (Site No. 558001).

In 1984, the NYSDEC approved plans and specifications for a containment remedy for the landfill, but allowed the Town of Fort Edward to receive non-hazardous municipal waste until a waste management system was implemented. The landfill was closed in 1991, and a temporary soil cap was installed over the waste materials between 1990 and 1993.

1.3 Landfill Closure, Remedial Activities, and Current Status

The landfill was covered with a multi-layer cap in 1997 and 1998. Prior to installation of the final cover system, the entire landfill was rough graded. Over 110,000 cubic yards of stripped soils and excavated materials were relocated and compacted along with 46,000 cubic yards of imported structural fill.

The leachate collection and treatment system were designed by URS beginning in 1995, and construction began in July 1997, in parallel to the landfill cap construction.

The remedial system began operating in September 1998. In October 1998, the air stripper was taken off-line since the VOCs were sufficiently being removed by the CWTS. The Operation and Maintenance (O&M) of the treatment system and groundwater monitoring responsibilities were assigned to AECOM in June 2007. O&M responsibilities were then transferred from AECOM to Aztech Technologies, Inc. (Aztech) in May 2009. Monitoring and maintenance reporting responsibilities were transferred to HRP in 2011, with Aztech still maintaining on-site O&M activities. In August 2015 HRP prepared a Remedial System Optimization (RSO) plan which was submitted to NYSDEC. The RSO plan outlined the necessary tasks required to improve the existing leachate collection and treatment system. HRP prepared a Site Management Plan (SMP) which was submitted to the NYSDEC in August 2015.

In August 2016, the site O&M responsibilities were transferred to Arcadis. Arcadis has implemented the RSO recommendations, which include completion of the pre-treatment system, building upgrades, and treatment cell piping modifications.

In accordance with the SMP, the following environmental monitoring activities were completed in 2018:

- Groundwater sampling;
- Surface water sampling;
- Sediment sampling;
- Treatment system sampling; and
- Landfill Inspection

Groundwater, surface water, and sediment sampling was conducted at the site in October 2018. The following sections describe the 2018 monitoring activities in further detail. The O&M upgrades and monthly treatment system sampling results are reported separately in monthly reports to the NYSDEC.

2 GROUNDWATER MONITORING PROGRAM

Groundwater monitoring was conducted in October 2018 in accordance with the five-quarter sampling frequency defined in the site SMP and in consultation with NYSDEC. During the sampling event, 13 monitoring wells (MW-1, MW-1A, MW-1D, MW-2, MW-2A, MW-5, MW-6, MW-6A, MW-6B, MW-7, MW-8, MW-9 (formerly MW-NEW), and MW-11), three extraction wells (EW-1 through EW-3), and leachate collection well EW-4 (Figure 2) were sampled. Locations that had been previously referred to as monitoring wells MW-4 and MW-10 were not sampled because Arcadis determined that they are clean-outs for a former force main and not monitoring wells. The next scheduled groundwater sampling event will be in First Quarter 2020.

2.1 Groundwater Monitoring Well Inspection

The integrity of each well was evaluated, and the results recorded on the groundwater sampling purge logs (Appendix A). As indicated on the inspection logs, the monitoring wells are in acceptable condition and no significant problems were reported.

2.2 Water Level Survey

The network of monitoring wells (Figure 2) was installed to monitor both upgradient and downgradient groundwater conditions at the site. Prior to sampling each well, depth to water was measured to the nearest hundredth of a foot using an electronic water level indicator. A summary of these data is presented in Table 1.

Potentiometric contours based on groundwater levels measured in monitoring wells screened in the shallow deltaic sand unit are presented on Figure 2. As shown on Figure 2, the direction of groundwater flow is generally toward the east-southeast, consistent with previous measurements.

2.3 Groundwater Sampling

Each monitoring well was sampled in accordance with United States Environmental Protection Agency (USEPA) low-flow groundwater sampling techniques using either a bladder pump or a peristaltic pump, each with single-use disposable tubing. Prior to use at each monitoring well, the bladder pump was decontaminated in an Alconox bath followed by a deionized water rinse. Grab samples were collected at each extraction well and the leachate collection well using dedicated polyvinyl chloride (PVC) disposable bailers.

Prior to sampling, groundwater was pumped through a flow cell equipped with a multi-parameter probe (e.g., YSI®) and temperature, conductivity, pH, turbidity, dissolved oxygen (DO), and oxidation-reduction potential (ORP) measurements were recorded on groundwater sampling purge logs (Appendix A). All groundwater samples were collected in laboratory-provided containers in decreasing order of volatility. Samples were packed on ice, placed in cooler, and submitted under Chain-of-Custody (COC) procedures to Con-Test for analysis of Target Compound List (TCL) Volatile Organic Compounds, Target Analyte List (TAL) metals and mercury, Polychlorinated Biphenyls, total dissolved solids, and total suspended solids. The laboratory analytical data reports are provided in Appendix B.

2.4 Groundwater Analytical Results

Thirteen monitoring wells, three extraction wells, and the leachate collection well (listed above in Section 2.0) were sampled on October 22 through October 25, 2018 by Arcadis in accordance with the SMP. Analytical results were compared to previous results at each sampling location and to the applicable New York State Ambient Water Quality Standards and Guidance Values (Class GA for groundwater) as provided under NYSDEC Technical & Operational Guidance Series (TOGS) 1.1.1. A summary of the data is presented in Tables 2 through 5.

2.4.1 VOCs

The October 2018 analytical data for VOCs are summarized on Table 2 and Figure 10. VOCs were detected at concentrations greater than the NYSDEC Class GA Standards in wells screened in the shallow delta sands (MW-5 and MW-6), the interbedded sand and clay (MW-6A), and the landfill waste/delta sand interface (EW-1, EW-2, and EW-3) as summarized below:

- Benzene (3.3 micrograms per liter [$\mu\text{g/L}$]), chlorobenzene (5.0 $\mu\text{g/L}$), cis-1,2-dichloroethene (6.6 $\mu\text{g/L}$), vinyl chloride (220 $\mu\text{g/L}$), and m- and p-Xylene (8.0 $\mu\text{g/L}$) in the sample from MW-5.
- Benzene (2.4 $\mu\text{g/L}$) and chlorobenzene (20 $\mu\text{g/L}$), and in the sample from MW-6.
- 1,3-dichlorobenzene (3.4 $\mu\text{g/L}$) in the sample from MW-6A.
- Benzene (3.1 J $\mu\text{g/L}$), 2-Butanone (MEK) (100 J $\mu\text{g/L}$), cis-1,2-dichloroethene (970 $\mu\text{g/L}$), trans-1,2-dichloroethene (7.2 J $\mu\text{g/L}$), vinyl chloride (1,400 $\mu\text{g/L}$), and m- and p-xylene (9.8 J $\mu\text{g/L}$) in the sample from extraction well EW-1.
- Benzene (5.7 $\mu\text{g/L}$) and 1,4-dioxane (53 $\mu\text{g/L}$) in the sample from EW-2.
- Benzene (3.0 $\mu\text{g/L}$), chlorobenzene (17 $\mu\text{g/L}$), and 1,4-dioxane (59 $\mu\text{g/L}$) in the sample from EW-3.

Total VOC concentration trends for upgradient and downgradient monitoring locations from May 1995 to October 2018 are presented on Figures 3 and 4, respectively. As shown on Figure 3, the total VOC concentrations in the upgradient wells have generally decreased from 2010 through 2017, with the exception of the 2016 sample from MW-1A (451 $\mu\text{g/L}$). Prior to 2016, the maximum concentration of total VOCs in samples from this well was detected in 1995 (11 $\mu\text{g/L}$). In 2018, no VOCs were detected in the samples from MW-1A. Therefore, the 2016 result may be anomalous.

As shown on Figure 4, the total VOC concentrations in downgradient monitoring wells have been generally consistent since 2007. As shown in Table 13, the last detection of VOCs in samples from MW-2A was in 2004 (4.0 $\mu\text{g/L}$) and 2017 (0.28 J $\mu\text{g/L}$). At MW-5, VOC concentrations have increased from 8,641 $\mu\text{g/L}$ to 50,271 $\mu\text{g/L}$ between 1995 and 2001 but have decreased to 358 $\mu\text{g/L}$ in 2018. Total VOC concentrations in samples collected from MW-6 have remained relatively constant between 2007 and 2012 (at approximately 23 $\mu\text{g/L}$) but increased slightly to 40.75 $\mu\text{g/L}$ in 2015 and then decreased to 24.1 $\mu\text{g/L}$ in 2018. At MW-6A, VOC concentrations increased from 8.0 $\mu\text{g/L}$ to 67.7 $\mu\text{g/L}$ between 2007 and 2011 but have decreased to 14.9 $\mu\text{g/L}$ in 2018. No VOCs have been detected at MW-6B since May 1999, with the exception of a low total VOC concentration of 0.94 $\mu\text{g/L}$ in 2015.

VOCs were not detected in the sample from MW-9 in 2018. As shown in Table 13, the last detections of VOCs in samples from this well was in 2004 (4.0 µg/L) and 2017 (5.2 µg/L).

As shown in Table 13, total VOC concentrations in extraction wells EW-1 through EW-3 have generally increased since 2013. The extraction wells were not in operation in 2016 and were brought back online in May 2017. As indicated in Section 1, groundwater extracted from these wells is directed through the leachate treatment system.

VOCs were not detected in leachate collection well EW-4 during the 2018 sampling event. These data will continue to be evaluated during future sampling events.

2.4.2 PCBs

PCB data for the 2018 groundwater sampling event are summarized in Table 3 and Figure 10. Historical results for PCBs in upgradient and downgradient monitoring wells are presented on Figures 5 and Figure 6, respectively.

As shown in Table 3, PCBs were not detected in any of the samples collected from the groundwater monitoring wells during the 2018 sampling event with the exception of MW-6 (0.58 µg/L). PCBs have been detected in monitoring well MW-6 since 2004, however, as shown on Figures 5 and 6, PCBs have historically been detected in both upgradient and downgradient groundwater samples from 2012 to 2016. The absence of PCBs in the 2017 and 2018 samples may possibly be explained by differences in groundwater sampling techniques. In 2016, groundwater samples were collected by purging multiple well volumes using an electric submersible sample pump prior to sample collection. As indicated in Section 2.3, in 2017 and 2018, groundwater sampling was performed in accordance with USEPA low-flow sampling techniques. This method limits drawdown and disturbance in the well during purging and sampling. Therefore, higher concentrations of PCBs may correspond to sampling events where more aggressive purging techniques were used, which could mobilize PCBs that were entrained in the sand pack of the monitoring well and/or the surrounding formation.

Table 3 shows that PCB Aroclor 1016 was detected in the samples from extraction well EW-1 (4,400 µg/L) and leachate collection well EW-4 (0.28 µg/L) at concentrations greater than the corresponding NYSDEC Class GA Standard of 0.09 µg/L. PCB Aroclor 1221 was detected in the sample collected from MW-6 at 0.58 µg/L. Figure 10 and Table 13 show that these concentrations are less than the historic PCB results at these locations. However, as indicated in Section 2.4.1, the extraction wells were recently brought online after being off in 2016. Therefore, PCB concentrations will continue to be monitored to assess the impacts of groundwater extraction on PCB concentrations.

2.4.3 Metals

Metals data for the 2018 groundwater sampling event are summarized in Table 4. As shown in Table 4, with the exception of MW-8, at least one metal was detected at a concentration greater than the respective NYSDEC Class GA Standards in samples from the 13 monitoring wells, extraction wells EW-1 through EW-3, and leachate collection well EW-4. The most frequent exceedances were iron, magnesium, manganese, and sodium. Arsenic was detected in only three samples (MW-5, MW-11 and EW-2) at concentrations equal to or slightly greater than the respective NYSDEC Class GA Standard of

0.025 mg/L. In the 2018 sample collected from MW-11, 11 metals concentrations exceeded their respective NYSDEC Class GA Standards.

Iron

Iron concentrations exceeded the NYSDEC Class GA Standard (0.3 milligrams per liter [mg/L]) in groundwater samples from ten of the thirteen monitoring wells, all three extraction wells, and the leachate collection well during the 2018 sampling event. The concentrations exceeding the NYSDEC Class GA Standard ranged from 0.71 mg/L (MW-9) to 370 mg/L (MW-11) (Table 4).

Historical data trends for iron are summarized in Table 13 and presented in Figures 7 and 8. As shown on Figure 7, iron concentrations in samples from upgradient monitoring wells have generally been decreasing since 2007. With the exception of the sample from MW-1D (0.74 mg/L) in 2018, the concentrations of iron in the upgradient wells remain below the respective NYSDEC Class GA Standard. As shown in Figure 8, the iron concentrations in the samples from down gradient monitoring wells were all greater than the corresponding NYSDEC Class GA Standard of 0.3 mg/L.

Magnesium

Four of the thirteen groundwater samples and the three extraction well samples (EW-1 through EW-3) in 2018 contained concentrations of magnesium that exceeded the NYSDEC Class GA Standard (35 mg/L). As shown in Table 4, the concentrations of magnesium that exceeded the NYSDEC Class GA Standard ranged from 37 mg/L (EW-3) to 140 mg/L in the sample from MW-9.

Manganese

Manganese concentrations exceeded the NYSDEC Class GA Standard (0.3 mg/L) in samples from seven monitoring wells, the three extraction wells, and the leachate collection well during the 2018 groundwater sampling event (Table 4). Manganese concentrations exceeding the NYSDEC Class GA Standard ranged from 0.3 mg/L in the sample from MW-2A to 6.4 mg/L in the sample from MW-11.

Sodium

As shown in Table 4, sodium concentrations exceeded the NYSDEC Class GA Standard (20 mg/L) in samples from ten of the thirteen monitoring wells, the three extraction wells, and the leachate collection well samples collected during the 2018 sampling event. The concentrations of sodium that exceeded the NYSDEC Class GA Standard ranged from 23 mg/L in the sample MW-1A, to 220 mg/L in the sample from MW-5.

2.4.4 General Chemistry

As shown in Table 5, Total Dissolved Solids (TDS) concentrations ranged from 110 mg/L to 1,200 mg/L, and Total Suspended Solids (TSS) concentrations ranged from non-detect to 230 mg/L. In general, the lowest concentrations of TDS and TSS were reported in samples from the upgradient monitoring locations and the highest concentrations were reported in samples from the downgradient monitoring locations.

3 SURFACE WATER AND SEDIMENT SAMPLING

Surface water and sediment sampling were performed in accordance with the SMP. However, after evaluating the 2016 sample data there was some uncertainty of sampling locations. Therefore, surface water and sediment sampling locations were re-established in 2017 and maintained in this event in consultation with the NYSDEC. With the exception of the off-site samples from the Glens Falls Feeder Canal (GFFC1, GFFC2, and GFFC3), the revised sampling locations were marked with a wooden stake and surveyed by a licensed surveyor in April 2017 (Figure 9).

Six surface water and sediment samples were collected at the following locations; Unnamed Pond, Polishing Pond Influent, Polishing Pond Effluent, and three locations within the Glens Falls Feeder Canal (GFFC1, GFFC2, and GFFC3). Three additional sediment samples were collected from the constructed wetland treatment cells (CWTC) (Cell 1, Cell 2, and Cell 3). Surface water samples were analyzed for VOCs, PCBs, metals, TDS, and TSS. Sediment samples were analyzed for VOCs, PCBs, and metals.

3.1 Surface Water

Surface water sample analytical results are discussed below and are summarized in Tables 6 through 9.

Prior to collecting surface water samples, pH, conductivity, turbidity, DO, temperature and ORP were measured using a water quality meter and recorded on surface water sampling logs (Appendix A).

Surface water samples were collected by slowly submerging dedicated, unpreserved sample containers in surface water to minimize disturbance of any sediment or vegetation during sampling. The samples were then poured into the required sample containers.

3.1.1 VOCs

As shown in Table 6, VOCs were not detected at concentrations greater than the NYSDEC Class GA Groundwater Standards in any of the surface water locations. With the exception of Unnamed Pond, all surface water samples in 2018 were non-detect for VOCs.

3.1.2 PCBs

As shown in Table 7, PCBs were not detected in any of the surface water sampling locations at concentrations greater than the indicated quantitation limits.

3.1.3 Metals

Metals were detected in one or more of the surface water samples collected during the 2018 sampling event, including aluminium, arsenic, barium, calcium, chromium, copper, iron, lead, magnesium, manganese, nickel, potassium, sodium, vanadium and zinc. As shown in Table 8, arsenic, iron, lead, magnesium, manganese, and sodium were the only metals detected at concentrations greater than the corresponding NYSDEC standards. Metals exceedances in Glens Falls Feeder Canal samples included iron in GFFC-1 (0.35 mg/L), GFFC-2 (23 mg/L), and GFFC-3 (2.4 mg/L), lead in GFFC-2 (0.027 mg/L), manganese in GFFC-2 (5.0 mg/L) and GFFC-3 (0.79 mg/L), and sodium in GFFC-1 (34 mg/L), GFFC-2

(40 mg/L), and GFFC-3 (43 mg/L). Metals exceedances in Unnamed Pond included arsenic (0.033 mg/L), iron (160 mg/L), magnesium (42 mg/L), and sodium (160 mg/L). Metals exceedances in the 2018 sample collected from Polishing Pond Influent include arsenic (0.028 mg/L), iron (64 mg/L), manganese (2.2 mg/L), and sodium (49 mg/L). Metals exceedances in the 2018 sample collected from Polishing Pond Effluent include iron (0.74 mg/L), manganese (0.32 mg/L), and sodium (46 mg/L).

3.1.4 General Chemistry

As shown in Table 9, TDS concentrations ranged from 110 mg/L in the sample from GFFC-1 to 820 mg/L in the Unnamed Pond sample. TSS concentrations ranged from non-detect in GFFC-1 to 830 mg/L in the Unnamed Pond sample.

3.2 Sediment

Sediment sample analytical results are discussed below and are summarized in Tables 10 through 12.

Sediment samples were collected immediately following the collection of the surface water samples (Section 3.1). Sediment samples were collected from a depth of 0 to 0.5 feet below the sediment surface and placed directly into laboratory provided sample jars. Sampling logs are included in Appendix A.

3.2.1 VOCs

Table 10 shows that only three of the nine sediment sample locations contained VOCs at concentrations greater than the respective laboratory reporting limits. Acetone was detected above the NYSDEC 6 NYCRR Part 375 Unrestrictive Use cleanup objective of 0.05 ppm in the samples collected from the Unnamed Pond (0.092 ppm estimated), Polishing Pond Influent (0.06 ppm), and GFCC-1 (0.074 ppm estimated). VOCs were not detected in sediment samples GFCC-2, GFCC-3, and Cell 3. As shown in Table 10, the concentration of total VOCs in the remaining samples ranged from 0.0063 milligrams per kilogram (mg/kg) in the Cell 1 sample to 0.093 in the GFCC-1 sample.

3.2.2 PCBs

PCB-1242 was detected in the sediment sample from Unnamed Pond at a concentration of 1.0 ppm. As shown in Table 11, no PCBs were detected in any of the other sediment samples.

3.2.3 Metals

Metals were detected in all of the sediment samples, including aluminium, arsenic, barium, beryllium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, sodium, vanadium, and zinc. Metals concentrations in samples from Unnamed Pond (arsenic, chromium, and nickel), Polishing Pond Influent (chromium and nickel), and GFCC-1 (lead) exceeded their respective NYSDEC 6 NYCRR Part 375 Unrestricted Use Standards. Metal concentrations for sediment samples are provided on Table 14.

4 CONCLUSIONS AND RECOMMENDATIONS

4.1 Conclusions

Groundwater, surface water, and sediment sampling was conducted at the site in October 2018. Total concentrations of VOCs have remained stable since 2007 within the monitoring well network. In addition, PCB concentrations have dropped to non-detect levels in all upgradient and most downgradient monitoring wells, with the exception of MW-6. However, the recent change in groundwater sampling technique may explain the absence of PCBs reported in samples from groundwater monitoring wells across the site. VOCs and/or PCBs were detected at concentrations higher than their respective standards in the samples from extraction wells EW-1 through EW-3 and leachate collection well EW-4. Consistent with previous years, the maximum concentrations of VOCs and PCBs were reported in the samples from EW-1. Three of the surface water samples collected from the site or the Glens Fall Feeder Canal contained VOCs at concentrations greater than the applicable NYSDEC Standards or PCBs at concentrations greater than the laboratory quantitation limits. The sediment samples from Unnamed Pond, Polishing Pond Influent, and GFCC-1 were the only samples to contain VOCs at concentrations above their respective NYSDEC Standards. The sediment sample from Unnamed Pond was the only 2018 sediment contain PCB concentrations above the respective standard.

A total of thirteen metals were detected in groundwater samples at concentrations exceeding the NYSDEC Class GA Standards, with iron, manganese, and sodium concentrations exceeding in the majority of the wells. In general, most of the detected metals in groundwater remain consistent with historical results. Surface water samples contained arsenic, iron, lead, magnesium, manganese and sodium concentrations greater than the NYSDEC Class GA Standards. Surface water and sediment will continue to be analyzed in accordance with the SMP and NYSDEC's request.

As part of the corrective measures process, leachate collection and treatment system upgrades have been completed in 2017 and 2018. These system upgrades are fully functional and operating as designed. The performance of the systems was evaluated and documented in the 2017 periodic review report and monthly reports provided to the NYSDEC.

4.2 Recommendations

Based on results from the 2018 groundwater monitoring event the following recommendations are suggested.

- Due to the fluctuations in PCB results for groundwater, it is recommended that the monitoring wells (and landfill piezometers LP-1 through LP-4) be redeveloped to improve hydraulic properties.
- Groundwater elevation and samples should be collected from landfill piezometers LP-1 through LP-4, if possible. These data could provide additional information on groundwater flow within the area of the landfill and contaminant levels in the landfill cell.

TABLES



Table 1
Summary of Water Level Data
Fort Edward Landfill, Fort Edward, NY
NYSDEC Site # 558001

Well ID	Measuring Point Elevation (ft. amsl)	October 2018	
		Depth to Water (ft.)	Groundwater Elevation (ft. amsl)
MW-1	256.94	40.15	216.79
MW-1A	253.55	41.49	212.06
MW-1D	258.66	40.71	217.95
MW-2	193.86	9.76	184.10
MW-2A	193.93	10.85	183.08
MW-5	183.43	5.80	177.63
MW-6	192.98	8.29	184.69
MW-6A	192.80	9.58	183.22
MW-6B	192.55	15.51	177.04
MW-7	210.47	18.92	191.55
MW-8	240.09	7.78	232.31
MW-9	174.49	6.40	168.09
MW-11	182.36	21.09	161.27

Notes:

All measurements in feet.

Definitions:

amsl - above mean sea level

ft - feet

Table 2
Volatile Organic Compound Analytical Results for 2018 Groundwater
Fort Edward Landfill, Fort Edward, NY
NYSDEC Site # 558001



Location	NYSDEC Class GA GW	MW-1	MW-1A	DUP- MW-1A	MW-1D	MW-2	MW-2A	MW-5	MW-6	MW-6A	MW-6B	MW-7	MW-8	MW-9	MW-11	EW-1	EW-2	EW-3	EW-4
Sample Date	Standard	10/24/2018	10/24/2018	10/24/2018	10/23/2018	10/23/2018	10/23/2018	10/24/2018	10/23/2018	10/23/2018	10/23/2018	10/24/2018	10/23/2018	10/24/2018	10/25/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018
Units	ug/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Acetone	50	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	500 U	50 U	23 J	50 U
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3	2.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.1 J	5.7	3.0	1.0 U
Bromochloromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U
Bromomethane	5	2.0 U	2.0 U	2.0 U	5.0 U	5.0 U	5.0 U R-05	2.0 U	2.0 U	5.0 U	5.0 U	2.0 U	5.0 U	2.0 U	2.0 U	20 U	2.0 U	2.0 U	2.0 U
2-Butanone (MEK)	50	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	100 J	20 U	20 U	20 U
Carbon Disulfide	60	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	40 U	4.0 U	4.0 U	4.0 U
Carbon Tetrachloride	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0	20	3.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.1 J	1.2	17	1.0 U
Chlorodibromomethane	50	0.5 U	0.5 U	0.5 U	2.0 U	2.0 U	2.0 U	0.5 U	0.5 U	2.0 U	2.0 U	0.5 U	2.0 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5	2.0 U	2.0 U	2.0 U	5.0 U	5.0 U	5.0 U	2.0 U	2.0 U	5.0 U	5.0 U	2.0 U	5.0 U	2.0 U	2.0 U	20 U	2.0 U	0.64 J	2.0 U
Cyclohexane	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.9	5.0 U	5.0 U	5.0 U	1.1 J	5.0 U	5.0 U	5.0 U	9.9 J	5.0 U	1.0 J	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.04	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U
1,2-Dibromoethane (EDB)	0.0006	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.39	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	0.45 J	1.0 U
1,3-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	0.34 J	1.0 U
1,4-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.6	1.7	2.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	0.32 J	5.3	1.0 U
Dichlorodifluoromethane (Freon 12)	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	20 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	1.1	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethylene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.7 J	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethylene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	6.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	970	0.78 J	1.0 U	1.0 U
trans-1,2-Dichloroethylene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	7.2 J	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U
1,4-Dioxane	--	100 U	100 U	100 U	0.4 U	0.4 U	100 U	100	100 U	0.4 U	0.4 U	100 U	0.4 U	100 U	100 U	1000 U	53 J	59 J	100 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.5 J	1.0 U	1.0 U	1.0 U
2-Hexanone (MBK)	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U
Isopropylbenzene (Cumene)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4	1.00 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	0.35 J	0.74 J	1.0 U
Methyl Acetate	--	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	2.0 U	2.0 U	10 U	1.0 U	1.0 U	1.0 U
Methyl tert-Butyl Ether (MTBE)	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	0.91 J	0.49 J	1.0 U
Methyl Cyclohexane	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	5	5.0 U	5.0 U	5.0 U	50 U	50 U	50 U	5.0 U	5.0 U	50 U	50 U	5.0 U	50 U	5.0 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (MIBK)	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U
Styrene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U
1,1,1,2-Tetrachloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U
Tetrachloroethylene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.8 J	1.0 U	0.19 J	1.0 U
1,2,3-Trichlorobenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	5	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	4.9	1.0 U	2.0 U	1.0 U	2.0 U	2.0 U	20 U	2.0 U	2.0 U	2.0 U
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U
Trichloroethylene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (Freon 11)	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	20 U	2.0 U	2.0 U	2.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	220	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1,400	0.4 J	2.0 U	2.0 U
m+p Xylene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	8.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	9.8 J	1.6 J	2.0 U	2.0 U
o-Xylene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.6 J	0.2 J	0.2 J	1.0 U
Xylenes (total)	5	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	30 U	3.0 U	3.0 U	3.0 U
Total VOCs	--	ND	ND	ND	ND	ND	ND	358	24.1	14.9	ND	1.1	ND	ND	ND	2,513.7	65.59	111.35	ND

Notes:
Concentrations detected above the reporting limit are in **bold**.
Concentrations detected above the NYSDEC Class GA GW Standard are highlighted in yellow.

Definitions:
U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
J - The concentration is an approximate value.
ug/L - micrograms per Liter
ND - Not Detected
"--" - No regulatory criteria exists for respective analyte.

Table 3
PCB Analytical Results for 2018 Groundwater
Fort Edward Landfill, Fort Edward, NY
NYSDEC Site # 558001

Location	NYSDEC Class GA GW Standard	MW-1	MW-1A	DUP- MW-1A	MW-1D	MW-2	MW-2A	MW-5	MW-6	MW-6A	MW-6B	MW-7	MW-9	MW-11	EW-1	EW-2	EW-3	EW-4
Sample Date		10/24/2018	10/24/2018	10/24/2018	10/23/2018	10/23/218	10/23/2018	10/24/2018	10/23/2018	10/23/2018	10/23/2018	10/24/218	10/24/2018	10/25/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018
Units	ug/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
PCB-1016	--	0.19 U	0.19 U	0.19 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.19 U	0.19 U	0.20	4400	0.20 U	0.20	0.28
PCB-1221	--	0.19 U	0.19 U	0.19 U	0.20 U	0.20 U	0.20 U	0.20 U	0.58	0.20 U	0.20 U	0.19 U	0.19 U	0.20	500 U	0.20 U	0.20	ND
PCB-1232	--	0.19 U	0.19 U	0.19 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.19 U	0.19 U	0.20	500 U	0.20 U	0.20	ND
PCB-1242	--	0.19 U	0.19 U	0.19 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.19 U	0.19 U	0.20	500 U	0.20 U	0.20	ND
PCB-1248	--	0.19 U	0.19 U	0.19 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.19 U	0.19 U	0.20	500 U	0.20 U	0.20	ND
PCB-1254	--	0.19 U	0.19 U	0.19 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.19 U	0.19 U	0.20	500 U	0.20 U	0.20	ND
PCB-1260	--	0.19 U	0.19 U	0.19 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.19 U	0.19 U	0.20	500 U	0.20 U	0.20	ND
PCB-1262	--	0.19 U	0.19 U	0.19 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.19 U	0.19 U	0.20	500 U	0.20 U	0.20	ND
PCB-1268	--	0.19 U	0.19 U	0.19 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.19 U	0.19 U	0.20	500 U	0.20 U	0.20	ND
Total PCB	0.09	ND	ND	ND	ND	ND	ND	ND	0.58	ND	ND	ND	ND	ND	4400	ND	ND	0.28

Notes:
Concentrations detected above the reporting limit are in **bold**.
Concentrations detected above the NYSDEC Class GA GW Standard are highlighted in yellow.
The NYSDEC Class GA GW Standard for Total PCBs is 0.09 ug/L.

Definitions:
U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
J - The concentration is an approximate value.
ug/L - micrograms per Liter
"--" - No regulatory criteria exists for respective analyte.

Table 4
Metals Analytical Results for 2018 Groundwater
Fort Edward Landfill, Fort Edward, NY
NYSDEC Site # 558001

Location	NYSDEC Class GA GW Standard	MW-1	MW-1A	DUP- MW-1A	MW-1D	MW-2	MW-2A	MW-5	MW-6	MW-6A	MW-6B	MW-7	MW-8	MW-9	MW-11	EW-1	EW-2	EW-3	EW-4
Sample Date		10/24/218	10/24/2018	10/24/2018	10/23/2018	10/23/2018	10/23/218	10/24/2018	10/23/2018	10/23/2018	10/23/2018	10/24/218	10/23/2018	10/24/2018	10/25/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Aluminum	--	0.055	0.13	0.12	0.21	0.055	0.05 U	10	0.13	0.05 U	0.067	0.05 U	0.05 U	0.054	260	0.10	0.05 U	0.06	0.11
Antimony	0.003	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.5 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic	0.025	0.01 U	0.015	0.014	0.01 U	0.01 U	0.01 U	0.034	0.021	0.017	0.013	0.012	0.01 U	0.01 U	0.06	0.01 U	0.045	0.01 U	0.01 U
Barium	1	0.05 U	0.05 U	0.05 U	0.49	0.05 U	0.071	0.46	0.05 U	0.12	0.05 U	0.05 U	0.05 U	0.069	2.7	0.47	0.17	0.23	0.051
Beryllium	0.003	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.012	0.004 U	0.004 U	0.004 U	0.004 U
Cadmium	0.005	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.02	0.004 U	0.004 U	0.004 U	0.004 U
Calcium	--	45	13	13	24	79	36	130	70	100	8.6	44	52	70	100	150	120	82	86
Chromium	0.05	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.016	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.41	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt	--	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.16	0.05 U	0.050 U	0.050 U	0.05 U
Copper	0.2	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.014	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.63	0.017	0.029	0.01 U	0.01 U
Iron	0.3	0.23	0.083	0.072	0.74	13	9.6	62	100	18	0.74	130	0.05 U	0.71	370	53	34	38	24
Lead	0.025	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.31	0.01 U	0.01 U	0.01 U	0.01 U
Magnesium	35	9.7	1.4	1.4	5.3	12	13	48	14	38	1.4	7.1	13	140	100	43	42	37	20
Manganese	0.3	0.01 U	0.012	0.012	0.033	0.58	0.3	1.9	1.3	1.4	0.024	2.4	0.018	0.033	6.4	1.8	1.0	0.33	1.6
Mercury	0.0007	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0008	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Nickel	0.1	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.027	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.4	0.01 U	0.01	0.01 U	0.01 U
Potassium	--	2.0 U	2.0 U	2.0 U	5.0	2.2	2.0 U	18	6.1	6.9	2.0 U	2.0 U	2.0 U	2.0 U	41	11	2.6	37	2.5
Selenium	0.01	0.05 U	0.1 U	0.050 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Silver	0.05	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Sodium	20	50	23	23	43	57	48	220	7.7	37	40	2.9	17	140	59	92	110	75	48
Thallium	0.0005	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Vanadium	--	0.01 U	0.01 U	0.01 U	0.01 U	0.013	0.01 U	0.025	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.43	0.01	0.01	0.01	0.01 U
Zinc	2	0.02 U	0.02 U	0.02 U	0.026	0.02 U	0.02 U	0.071	0.02 U	0.02 U	0.037	0.02 U	0.02 U	0.02 U	0.91	0.02 U	0.02 U	0.02 U	0.02 U

Notes:

Concentrations detected above the reporting limit are in **bold**.

Concentrations detected above the NYSDEC Class GA GW Standard are highlighted in yellow.

Definitions:

U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

J - The concentration is an approximate value.

mg/L - milligrams per Liter

"--" - No regulatory criteria exists for respective analyte.

Table 5
General Chemistry Analytical Results for 2018 Groundwater
Fort Edward Landfill, Fort Edward, NY
NYSDEC Site # 558001

Location	NYSDEC Class GA GW Standard	MW-1	MW-1A	DUP MW-1A	MW-1D	MW-2	MW-2A	MW-5	MW-6	MW-6A	MW-6B	MW-7	MW-8	MW-9	EW-1	EW-2	EW-3	EW-4
Sample Date		10/24/2018	10/24/2018	10/24/2018	10/23/2018	10/23/218	10/23/218	10/24/2018	10/23/2018	10/23/2018	10/23/2018	10/24/2018	10/23/2018	10/24/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Total Dissolved Solids	--	330	150	170	190	340	200	1,200	320	440	110	290	180	990	750	740	540	380
Total Suspended Solids	--	1.7	2.6	1.4 U	65	42	19	230	49	37	4.0	66	1.4 U	2.6	110	140	80	26

Notes:
Concentrations detected above the reporting limit are in **bold**.

Definitions:
U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
mg/L - milligrams per Liter
"--" - No regulatory criteria exists for respective analyte.

Table 6
Volatile Organic Compounds Analytical Results for 2018 Surface Water
Fort Edward Landfill, Fort Edward, NY
NYSDEC # 558001

Location	NYSDEC Class GA GW Standard	Unnamed Pond	Polishing Pond Influent	Polishing Pond Effluent	GFFC1	GFFC2	GFFC3
Sample Date		10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Acetone	50	24 J	50 U	50 U	50 U	50 U	50 U
Benzene	1	0.26 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Bromomethane	5	2.0 U	2.0 U	2.0 U,R-05	2.0 U	5.0 U	2.0 U
2-Butanone (MEK)	50	20 U	20 U	20 U	20 U	20 U	20 U
Carbon Disulfide	60	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Carbon Tetrachloride	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	5	0.49 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorodibromomethane	50	0.5 U	0.5 U	0.5 U	0.5 U	2.0 U	0.5 U
Chloroethane	5	2.0 U	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U
Cyclohexane	--	1.2 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.04	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromoethane (EDB)	0.0006	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3	0.33 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (Freon 12)	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
1,1-Dichloroethylene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethylene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethylene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dioxane	--	62 J	100 U	100 U	100 U	0.4 U	100 U
Ethylbenzene	5	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone (MBK)	50	1 U	10 U	10 U	10 U	10 U	10 U
Isopropylbenzene (Cumene)	5	0.22 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Acetate	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert-Butyl Ether (MTBE)	10	0.76 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Cyclohexane	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (MIBK)	--	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1,2-Tetrachloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethylene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	1.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,3-Trichlorobenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	5	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethylene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (Freon 11)	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 11)	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
m+p Xylene	5	0.51 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-Xylene	5	0.31 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	5	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Total VOCs	--	91.65	ND	ND	ND	ND	ND

Notes:

Concentrations detected above the reporting limit are in **bold**.

Concentrations detected above the NYSDEC Class GA GW Standard are highlighted in yellow.

Definitions:

U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

J - The concentration is an approximate value.

ug/L - Micrograms per Liter

"--" - No regulatory criteria exists for respective analyte.

Table 7
 PCB Analytical Results for 2018 Surface Water
 Fort Edward Landfill, Fort Edward, NY
 NYSDEC Site # 558001

Location	NYSDEC Class GA GW Standard	Unnamed Pond	Polishing Pond Influent	Polishing Pond Effluent	GFFC1	GFFC2	GFFC3
Sample Date		10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PCB-1016	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1221	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1232	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1242	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1248	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1254	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1260	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1262	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
PCB-1268	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Total PCBs	0.09	ND	ND	ND	ND	ND	ND

Notes:

Concentrations detected above the reporting limit are in **bold**.

Concentrations detected above the NYSDEC Class GA GW Standard are highlighted in yellow.

The NYSDEC Class GA GW Standard for Total PCBs is 0.09 ug/L.

Definitions:

U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

ug/L - micrograms per Liter

"--" - No regulatory criteria exists for respective analyte.

Table 8
Metals Analytical Results for 2018 Surface Water
Fort Edward Landfill, Fort Edward, NY
NYSDEC Site # 558001

Location	NYSDEC Class GA GW Standard	Unnamed Pond	Polishing Pond Influent	Polishing Pond Effluent	GFFC1	GFFC2	GFFC3
Sample Date		10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018
Units	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L
Aluminum	--	9.6	0.63	0.05 U	0.05 U	5.1	0.31
Antimony	0.003	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic	0.025	0.033	0.028	0.01 U	0.01 U	0.01 U	0.01 U
Barium	1	0.45	0.16	0.05 U	0.05 U	0.14	0.05 U
Beryllium	0.003	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Cadmium	0.005	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Calcium	--	160	110	96	22	98	87
Chromium	0.05	0.013	0.01 U	0.01 U	0.01 U	0.012	0.01 U
Cobalt	--	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Copper	0.2	0.012	0.01 U	0.01 U	0.01 U	0.013	0.01 U
Iron	0.3	160	64	0.74	0.35	23	2.4
Lead	0.025	0.018	0.01 U	0.01 U	0.01 U	0.027	0.01 U
Magnesium	35	42	21	21	3.5	24	19
Manganese	0.3	1.9	2.2	0.32	0.03	5.0	0.79
Mercury	0.0007	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.00011	0.0001 U
Nickel	0.1	0.021	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Potassium	--	12	4.5	4.7	2.0 U	4.8	4.5
Selenium	0.01	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Silver	0.05	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Sodium	20	160	49	46	34	40	43
Thallium	0.0005	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Vanadium	--	0.026	0.019	0.01 U	0.01 U	0.017	0.01 U
Zinc	2	0.043	0.023	0.02 U	0.02 U	0.092	0.02 U

Notes:

Concentrations detected above the reporting limit are in **bold**.

Concentrations detected above the NYSDEC Class GA GW Standard are highlighted in yellow.

Definitions:

U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

mg/L - milligrams per Liter

"--" - No regulatory criteria exists for respective analyte.

Table 9
General Chemistry Analytical Results for 2018 Surface Water
Fort Edward Landfill, Fort Edward, NY
NYSDEC Site # 558001

Location	NYSDEC Class GA GW	Unnamed Pond	Polishing Pond Influent	Polishing Pond Effluent	GFFC1	GFFC2	GFFC3
Sample Date	Standard	10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018
Units	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L
Total Dissolved Solids	--	820	430	410	110	440	390
Total Suspended Solids	--	830	190	5.0	1.4 U	230	23

Notes:

Concentrations detected above the reporting limit are in **bold**.

Definitions:

U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

mg/L - milligrams per Liter

"--" - No regulatory criteria exists for respective analyte.

Table 10
Volatile Organic Compound Analytical Results for 2018 Sediment
Fort Edward Landfill, Fort Edward, NY
NYSDEC Site # 558001

Location	NYSDEC 6 NYCRR Part 375 Unrestricted Use	Unnamed Pond	Polishing Pond Influent	Polishing Pond Effluent	DUP-Polishing Pond Effluent	GFCC1	GFCC2	GFCC3	Cell 1	Cell 2	Cell 3
Sample Date	10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Acetone	0.05	0.092 J	0.06	0.13 U	0.14 U	0.074 J	0.12 U	0.12 U	0.1 U	0.2 U	0.14 U
Acrylonitrile	--	0.02 U	0.009 U	0.0075 U	0.0084 U	0.009 U	0.007 U	0.0074 U	0.006 U	0.012 U	0.008 U
tert-Amyl Methyl Ether (TAME)	--	0.003 U	0.001 U	0.0013 U	0.0014 U	0.0015 U	0.0012 U	0.0012 U	0.001 U	0.002 U	0.0014 U
Benzene	0.06	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
Bromobenzene	--	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
Bromochloromethane	--	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
Bromodichloromethane	--	0.01 U	0.0028 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
Bromoform	--	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
Bromomethane	--	0.03 U	0.014 U	0.013 U	0.014 U	0.015 U	0.012 U	0.012 U	0.01 U	0.02 U	0.014 U
2-Butanone (MEK)	0.12	0.1 U	0.06 U	0.05 U	0.056 U	0.06 U	0.048 U	0.049 U	0.04 U	0.079 U	0.05 U
tert-Butyl Alcohol (TBA)	--	0.1 U	0.06 U	0.05 U	0.056 U	0.06 U	0.048 U	0.049 U	0.04 U	0.08 U	0.05 U
n-Butylbenzene	12	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
sec-Butylbenzene	11	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
tert-Butylbenzene	5.9	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
tert-Butyl Ethyl Ether (TBEE)	--	0.003 U	0.001 U	0.0013 U	0.0014 U	0.0015 U	0.0012 U	0.0012 U	0.001 U	0.002 U	0.0014 U
Carbon Disulfide	--	0.02 U	0.009 U	0.0075 U	0.0084 U	0.009 U	0.007 U	0.0074 U	0.006 U	0.01 U	0.008 U
Carbon Tetrachloride	0.76	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
Chlorobenzene	1.1	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
Chlorodibromomethane	--	0.00 U	0.0014 U	0.0013 U	0.0014 U	0.0015 U	0.0012 U	0.0012 U	0.001 U	0.002 U	0.0014 U
Chloroethane	--	0.05 U	0.028 U	0.025 U	0.028 U	0.03 U	0.024 U	0.025 U	0.02 U	0.04 U	0.027 U
Chloroform	0.37	0.01 U	0.006 U	0.005 U	0.0056 U	0.006 U	0.0048 U	0.0049 U	0.004 U	0.008 U	0.005 U
Chloromethane	--	0.03 U	0.01 U	0.013 U	0.014 U	0.015 U	0.012 U	0.012 U	0.01 U	0.02 U	0.014 U
2-Chlorotoluene	--	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.00 U	0.00 U	0.0027 U
4-Chlorotoluene	--	0.01 U	0.003 U	0.003 U	0.003 U	0.003 U	0.0024 U	0.0025 U	0.00 U	0.00 U	0.0027 U
1,2-Dibromo-3-chloropropane (DBCP)	--	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.003 U	0.002 U	0.004 U	0.003 U
1,2-Dibromoethane (EDB)	--	0.003 U	0.0014 U	0.0013 U	0.0014 U	0.0015 U	0.0012 U	0.0012 U	0.001 U	0.002 U	0.0014 U
Dibromomethane	--	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
1,2-Dichlorobenzene	1.1	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
1,3-Dichlorobenzene	2.4	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
1,4-Dichlorobenzene	1.8	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
trans-1,4-Dichloro-2-butene	--	0.01 U	0.006 U	0.0050 U	0.0056 U	0.006 U	0.0048 U	0.0049 U	0.004 U	0.008 U	0.005 U
Dichlorodifluoromethane (Freon 12)	--	0.05 U	0.028 U	0.025 U	0.028 U	0.03 U	0.024 U	0.025 U	0.02 U	0.04 U	0.027 U
1,1-Dichloroethane	0.27	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
1,2-Dichloroethane	0.02	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
1,1-Dichloroethylene	0.33	0.01 U	0.006 U	0.0050 U	0.0056 U	0.006 U	0.0048 U	0.0049 U	0.004 U	0.008 U	0.0054 U
cis-1,2-Dichloroethylene	0.25	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
trans-1,2-Dichloroethylene	0.19	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
1,2-Dichloropropane	--	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
1,3-Dichloropropane	--	0.003 U	0.001 U	0.0013 U	0.0014 U	0.0015 U	0.0012 U	0.0012 U	0.001 U	0.002 U	0.0014 U
2,2-Dichloropropane	--	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
1,1-Dichloropropene	--	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
cis-1,3-Dichloropropene	--	0.003 U	0.0014 U	0.0013 U	0.0014 U	0.0015 U	0.0012 U	0.0012 U	0.001 U	0.002 U	0.001 U
trans-1,3-Dichloropropene	--	0.003 U	0.0014 U	0.0013 U	0.0014 U	0.0015 U	0.0012 U	0.0012 U	0.001 U	0.002 U	0.001 U
Diethyl Ether	--	0.05 U	0.03 U	0.025 U	0.028 U	0.03 U	0.024 U	0.025 U	0.02 U	0.04 U	0.027 U
Diisopropyl Ether (DIPE)	--	0.003 U	0.001 U	0.0013 U	0.0014 U	0.0015 U	0.0012 U	0.0012 U	0.001 U	0.002 U	0.0014 U
1,4-Dioxane	--	0.26 U	0.14 U	0.13 U	0.14 U	0.15 U	0.12 U	0.12 U	0.1 U	0.2 U	0.14 U

Notes:

Concentrations detected above the reporting limit are in **bold**.

Concentrations detected above the NYSDEC 6 NYCRR Part 375 Unrestricted Use cleanup objective are highlighted in yellow.

Definitions:

U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

J - The concentration is an approximate value.

mg/Kg - milligrams per Kilogram

"--" - No regulatory criteria exists for respective analyte.

Table 10
Volatile Organic Compound Analytical Results for 2018 Sediment
Fort Edward Landfill, Fort Edward, NY
NYSDEC Site # 558001

Location	NYSDEC 6 NYCRR Part 375 Unrestricted Use	Unnamed Pond	Polishing Pond Influent	Polishing Pond Effluent	DUP-Polishing Pond Effluent	GFCC1	GFCC2	GFCC3	Cell 1	Cell 2	Cell 3
Sample Date	10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Ethylbenzene	1.0	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
Hexachlorobutadiene	--	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
2-Hexanone (MBK)	--	0.1 U	0.028 U	0.025 U	0.028 U	0.03 U	0.024 U	0.025 U	0.02 U	0.04 U	0.027 U
Isopropylbenzene (Cumene)	--	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
p-Isopropyltoluene (p-Cymene)	--	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
Methyl Acetate	--	0.0053 U	0.003 U	0.0089	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.0063	0.0042	0.0027 U
Methyl tert-Butyl Ether (MTBE)	0.93	0.01 U	0.006 U	0.005 U	0.0056 U	0.006 U	0.0048 U	0.0049 U	0.004 U	0.008 U	0.005 U
Methyl Cyclohexane	--	0.01 U	0.003 U	0.005 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
Methylene Chloride	0.05	0.05 U	0.028 U	0.003 U	0.028 U	0.019 J	0.024 U	0.025 U	0.02 U	0.015 J	0.027 U
4-Methyl-2-pentanone (MIBK)	--	0.1 U	0.028 U	0.025 U	0.028 U	0.030 U	0.024 U	0.025 U	0.02 U	0.04 U	0.027 U
Naphthalene	--	0.01 U	0.006 U	0.025 U	0.0056 U	0.006 U	0.0048 U	0.0049 U	0.004 U	0.008 U	0.005 U
n-Propylbenzene	3.9	0.01 U	0.003 U	0.005 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
Styrene	--	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
1,1,1,2-Tetrachloroethane	--	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
1,1,2,2-Tetrachloroethane	--	0.005 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
Tetrachloroethylene	1.3	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
Tetrahydrofuran	--	0.026 U	0.014 U	0.003 U	0.014 U	0.015 U	0.012 U	0.012 U	0.01 U	0.02 U	0.014 U
Toluene	0.7	0.01 U	0.003 U	0.0130 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
1,2,3-Trichlorobenzene	--	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
1,2,4-Trichlorobenzene	--	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
1,3,5-Trichlorobenzene	--	0.01 U	0.003 U	0.003 U	0.003 U	0.003 U	0.002 U	0.003 U	0.002 U	0.004 U	0.003 U
1,1,1-Trichloroethane	0.68	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
1,1,2-Trichloroethane	--	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
Trichloroethylene	0.47	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
Trichlorofluoromethane (Freon 11)	--	0.03 U	0.014 U	0.003 U	0.014 U	0.015 U	0.012 U	0.012 U	0.01 U	0.02 U	0.014 U
1,2,3-Trichloropropane	--	0.01 U	0.003 U	0.013 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	0.03 U	0.014 U	0.003 U	0.014 U	0.015 U	0.012 U	0.012 U	0.01 U	0.02 U	0.014 U
1,2,4-Trimethylbenzene	3.6	0.01 U	0.003 U	0.013 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
1,3,5-Trimethylbenzene	8.4	0.01 U	0.003 U	0.0025 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.002 U	0.004 U	0.0027 U
Vinyl Chloride	0.02	0.03 U	0.014 U	0.003 U	0.014 U	0.015 U	0.012 U	0.012 U	0.01 U	0.020 U	0.014 U
m+p Xylene	100	0.01 U	0.006 U	0.013 U	0.0056 U	0.006 U	0.0048 U	0.0049 U	0.004 U	0.008 U	0.01 U
o-Xylene	100	0.01 U	0.003 U	0.005 U	0.0028 U	0.003 U	0.0024 U	0.0025 U	0.0020 U	0.0040 U	0.0027 U
Total VOCs	--	0.092	0.06	0.0089	ND	0.093	ND	ND	0.0063	0.019	ND

Notes:

Concentrations detected above the reporting limit are in **bold**.

Concentrations detected above the NYSDEC 6 NYCRR Part 375 Unrestricted Use cleanup objective are highlighted in yellow.

Definitions:

U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

J - The concentration is an approximate value.

mg/Kg - milligrams per Kilogram

"--" - No regulatory criteria exists for respective analyte.

Table 11
PCB Analytical Results for 2018 Sediment
Fort Edward Landfill, Fort Edward, NY
NYSDEC Site # 558001

Location	Unnamed Pond	Polishing Pond Influent	Polishing Pond Effluent	GFCC1	GFCC2	GFCC3	Cell 1	Cell 2	Cell 3
Sample Date	10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/20/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
PCB-1016	0.2 U	0.13 U	0.1 U	0.12 U	0.1 U	0.095 U	0.079 U	0.18 U	0.83 U
PCB-1221	0.2 U	0.13 U	0.1 U	0.12 U	0.1 U	0.095 U	0.079 U	0.18 U	0.83 U
PCB-1232	0.2 U	0.13 U	0.1 U	0.12 U	0.1 U	0.095 U	0.079 U	0.18 U	0.83 U
PCB-1242	1.0	0.13 U	0.1 U	0.12 U	0.1 U	0.095 U	0.079 U	0.18 U	0.83 U
PCB-1248	0.2 U	0.13 U	0.1 U	0.12 U	0.1 U	0.095 U	0.079 U	0.18 U	0.83 U
PCB-1254	0.2 U	0.13 U	0.1 U	0.12 U	0.1 U	0.095 U	0.079 U	0.18 U	0.83 U
PCB-1260	0.2 U	0.13 U	0.1 U	0.12 U	0.1 U	0.095 U	0.079 U	0.18 U	0.83 U
PCB-1262	0.2 U	0.13 U	0.1 U	0.12 U	0.1 U	0.095 U	0.079 U	0.18 U	0.83 U
PCB-1268	0.2 U	0.13 U	0.1 U	0.12 U	0.1 U	0.095 U	0.079 U	0.18 U	0.83 U
Total PCBs	1.0	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Concentrations detected above the reporting limit are in **bold**.

Definitions:

U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

J - The concentration is an approximate value.

ppm - parts per million

"--" - No regulatory criteria exists for respective analyte.

Table 12
Metals Analytical Results for 2018 Sediment
Fort Edward Landfill, Fort Edward, NY
NYSDEC # 558001

Location	NYSDEC 6 NYCRR Part 375 Unrestricted Use	Unnamed Pond	Polishing Pond Influent	Polishing Pond Effluent	DUP-Polishing Pond Effluent	GFCC1	GFCC2	GFCC3	Cell 1	Cell 2	Cell 3
Sample Date		10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018	10/22/2018
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Aluminum	--	39,000	24,000	8,800	9,300	7,500	10,000	4,200	1,700	22,000	410
Antimony	--	4.5 U	2.8 U	2.2 U	2.1 U	2.5 U	2.2 U	2.1 U	1.7 U	3.9 U	1.8 U
Arsenic	13	20	6.6	2.2 U	2.1 U	2.5 U	2.3	2.1 U	1.8	6.8	1.8 U
Barium	350	340	220	58	63	56	100	24	9.6	160	4.7
Beryllium	7.2	1.7	1.1	0.42	0.45	0.37	0.51	0.26	0.21	1.1	0.18 U
Cadmium	2.5	0.45 U	0.28 U	0.22 U	0.21 U	0.25 U	0.22 U	0.21 U	0.17 U	0.39 U	0.18 U
Calcium	--	7,300	27,000	2,800	2,500	2,700	5,100	1,800	86,000	18,000	8,800
Chromium	30	54	43	12	13	9.8	18	6.1	2.8	31	1.0
Cobalt	--	36	19	6.0	6.0	6.0	8.3	3.4	1.7 U	8.1	1.8 U
Copper	50	27	32	8.3	8.8	9.3	14	4.1	2.9	30	2.6
Iron	--	130,000	43,000	13,000	13,000	9,800	19,000	9,900	5,600	18,000	1,300
Lead	63	17	14	4.0	3.2	130	13	13	1.3	14	1.5
Magnesium	--	8,900	12,000	2,300	2,300	2,100	4,800	1,800	23,000	9,000	2,700
Manganese	1,600	1,200	850	160	160	140	380	94	130	310	49
Mercury	0.18	0.067 U	0.039 U	0.035 U	0.1	0.13	0.046	0.033 U	0.027 U	0.057	0.026 U
Nickel	30	38	41	11	11	7.6	17	5.3	3.4	23	1.5
Potassium	--	2,900	4,400	1,100	1,200	660	1,800	430	330	2,000	120
Selenium	3.9	8.9 U	5.6 U	4.5 U	4.3 U	5.1 U	4.4 U	4.2 U	3.4 U	7.8 U	3.6 U
Silver	2	0.89 U	0.56 U	0.45 U	0.43 U	0.51 U	0.44 U	0.42 U	0.57	0.78 U	0.36 U
Sodium	--	470	340	130	170	140	180	90	68 U	250	82
Thallium	--	4.5 U	2.8 U	2.2 U	3.0	2.5 U	2.2 U	2.1 U	1.7 U	3.9 U	1.8 U
Vanadium	--	78	48	19	20	14	19	12	7.0	36	1.2
Zinc	109	84	84	32	31	72	58	43	12	58	9.6

Notes:

Concentrations detected above the reporting limit are in **bold**.

Definitions:

B - The compound was found in the associated blank as well as in the sample.

U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

J - The concentration is an approximate value.

ppm - parts per million

"--" - No regulatory criteria exists for respective analyte.

Table 13
Analytical Data May 1995 - October 2018
Fort Edward Landfill, Fort Edward, NY
NYSDEC Site # 558001

Well ID	Parameter	NYSDEC Class GA Standard	Units	Sample Date																		
				May-95	Aug-95	May-99	Oct-99	May-00	Oct-01	May-02	Apr-03	Aug-04	Jul-07	Oct-08	Mar-10	Oct-11	Sep-12	Oct-13	Jan-15	May-16	Aug-17	Oct-18
MW-1	Total VOCs		µg/L	5.0	ND	ND	ND	ND	19	ND	ND	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Iron	0.30	mg/L	45.4	13	0.498	1.1	2.2	1.1	1.6	1.1	NA	20.1	1.17	ND	ND	0.29	0.21	0.053	0.079	ND	0.23
MW-1A	Total PCBs	0.09	µg/L	NA	ND	NA	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	0.82	ND	ND	ND	ND	ND
	Total VOCs		µg/L	7.0	11	1.0	ND	3.0	ND	ND	ND	5.0	ND	ND	ND	ND	ND	ND	0.99	451	ND	ND
	Iron	0.30	mg/L	0.827	0.331	0.75	2.1	2.6	2.8	0.41	1.1	NA	11.5	1.63	0.185	0.352	0.55	0.25	0.19	0.48	0.093	0.083
MW-1D	Total PCBs	0.09	µg/L	ND	ND	NA	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	7.4	ND	28	0.45	ND	ND
	Total VOCs		µg/L	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	26.1	ND	ND	ND	1.1	ND	ND	ND
	Iron	0.30	mg/L	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.185	1.14	0.19	0.074	0.18	0.2	0.37	0.74
MW-2	Total PCBs	0.09	µg/L	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	0.81	ND	ND	ND	ND	ND
	Total VOCs		µg/L	9.0	8.0	10	ND	ND	ND	ND	ND	5.0	ND	ND	ND	6.7	ND	ND	ND	ND	ND	ND
	Iron	0.30	mg/L	1.27	8.03	7.62	2.9	15	1.1	5.8	5.2	NA	9.86	5.32	2.17	4.74	2.8	2.2	1.7	5.3	5.2	13
MW-2A	Total PCBs	0.09	µg/L	ND	ND	NA	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total VOCs		µg/L	8,641	11,438	NS	NS	27,034	50,271	NS	11,352	4,209	NA	NA	365	NS	NS	NS	1,858	1,259	908.4	358
	Iron	0.30	mg/L	82.5	66.2	NS	NS	130	95	NS	95	ND	NA	NA	142	NS	NS	NS	56.5	100	54	62
MW-5	Total PCBs	0.09	µg/L	ND	ND	NS	NS	NA	NA	NS	NS	ND	NA	NA	ND	NS	NS	NS	1.1	0.54	ND	ND
	Total VOCs		µg/L	112	83	26	38	38	62	60	37	63	17	23	25	23	22.4	22.14	40.75	31.7	32.9	24.1
	Iron	0.30	mg/L	37.4	63.7	49.3	80	84	97	100	130	NA	135	120	123	139	103	102	106	106	120	100
MW-6	Total PCBs	0.09	µg/L	ND	ND	NA	ND	ND	NA	NA	NA	3.3	ND	0.43	0.72	0.18	0.37	ND	11	15	ND	0.58
	Total VOCs		µg/L	30	4.0	ND	3.0	13	16	9.0	16	17	8.0	19	44	67.7	35.41	37.04	35.25	28.18	29.5	14.9
	Iron	0.30	mg/L	0.404	0.428	0.388	2.6	35	35	49	54	NA	33.1	27.4	23.4	24.4	23.8	21.2	21.2	19.7	21	18
MW-6A	Total PCBs	0.09	µg/L	ND	ND	NA	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	3.8	14	ND	ND
	Total VOCs		µg/L	30	ND	8.0	ND	ND	NA	ND	ND	4.0	ND	ND	ND	ND	ND	ND	0.94	ND	ND	ND
	Iron	0.30	mg/L	8.13	19.9	49	1.2	17	NA	9.1	38	NA	157	3.16	2.38	0.521	0.78	0.35	5.0	0.34	0.24	0.74
MW-6B	Total PCBs	0.09	µg/L	ND	ND	NA	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	0.91	ND	1.5	29	ND	ND
	Total VOCs		µg/L	3.0	ND	5.0	ND	ND	ND	ND	NA	11	ND	ND	ND	ND	ND	2.78	1.91	0.6	ND	1.10
	Iron	0.30	mg/L	23.6	30.8	8.06	2.2	17	23	27	NA	240	217	143	119	188	146	195	154	157	160	130
MW-7	Total PCBs	0.09	µg/L	ND	ND	NA	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.27	ND	ND	ND
	Total VOCs		µg/L	ND	ND	ND	ND	ND	ND	ND	ND	6.0	ND	ND	ND	NS	ND	4.4	ND	ND	ND	ND
	Iron	0.30	mg/L	0.195	0.362	0.873	0.46	1.4	0.29	2.3	NA	NA	19.9	0.25	8.49	NS	4.0	1.5	9.8	0.073	0.057	ND
MW-8	Total PCBs	0.09	µg/L	ND	ND	NA	ND	NA	NA	NA	NA	NA	ND	ND	ND	NS	1.0	ND	ND	ND	ND	ND
	Total VOCs		µg/L	NA	NA	7.0	ND	ND	ND	ND	ND	4.0	ND	ND	ND	ND	ND	ND	ND	ND	5.2	ND
	Iron	0.30	mg/L	NA	NA	0.946	0.56	2.0	0.26	0.39	5.3	NA	1.59	0.213	0.14	23.9	8.2	0.2	3.0	1.4	2.5	0.71
MW-9	Total PCBs	0.09	µg/L	ND	ND	NA	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	1.8	0.34	ND	4.9	ND	ND
	Total VOCs		µg/L	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	630	429	NS	525	1,347	1,170	4,817.3	2,513.7
	Iron	0.30	mg/L	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	53.7	48.5	NS	66.2	70.2	1,530	55
EW-1	Total PCBs	0.09	µg/L	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	49	1,824	NS	650	1,100	970	250	4,400
	Total VOCs		µg/L	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	140.8	7.2	NS	5.2	9.29	12.1	72.37	65.59
	Iron	0.30	mg/L	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	40.1	24.5	NS	27.8	29.4	30.3	22
EW-2	Total PCBs	0.09	µg/L	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.27	0.16	NS	ND	ND	400	ND	ND
	Total VOCs		µg/L	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	53.2	51.2	NS	75.22	68.9	45.1	132.52	111.35
	Iron	0.30	mg/L	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	40.6	123	NS	33.8	31.7	33.9	33	38
EW-3	Total PCBs	0.09	µg/L	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.7	1.6	NS	2.9	2.2	23	ND	ND
	Total VOCs		µg/L	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	1.2	NA	NS	3.99	ND
	Iron	0.30	mg/L	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20.1	377	NS	32.5	NA	NS	60	24
EW-4	Total PCBs	0.09	µg/L	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.6	3.3	NS	2.06	2.3	NS	0.63	0.28

Notes:

All Concentrations are in micrograms per liter (µg/L).

Concentrations detected above the NYSDEC Class GA GW Standard are in bold and highlighted in yellow.

95-'00 Data Source: Final Evaluation and Assessment Report. Fort Edward Landfill, NYSDEC, July 2001. URS Consultants

VOC totals from 1995 through 2000 include only concentrations of VOCs that were detected above NYSDEC Class GA Standards, while the 2007, 2008, 2011, 2012, 2015, and 2016 VOC totals include all detections, whether above or below NYSDEC Class GA Standards.

Definitions:

GV - Guidance Value

NA - Not Analyzed

ND - Not detected above the Method Detection Limit or the Reporting Limit.

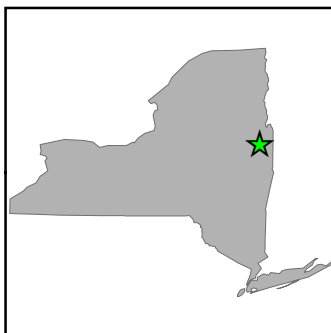
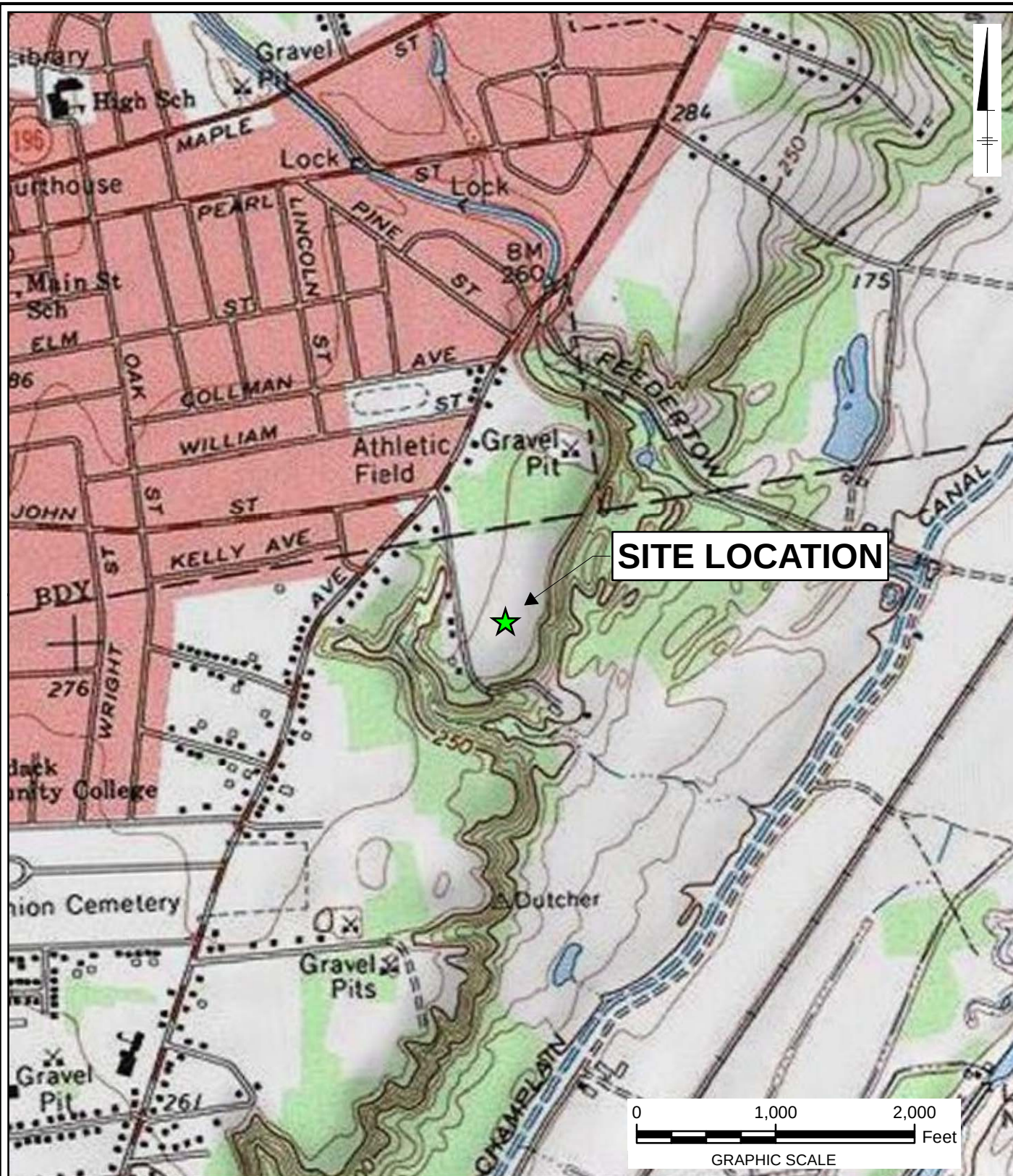
NS - Not Sampled

VOCs - Volatile Organic Compounds

PCBs - Polychlorinated Biphenyls

FIGURES





NOTE:

1. USGS QUADRANGLE INFORMATION
QUAD ID: 43073-C5
NAME: HUDSON FALLS, NEW YORK
DATE PUB: 1968

FORT EDWARD LANDFILL
45 LEAVY HOLLOW LANE
FORT EDWARD, NEW YORK

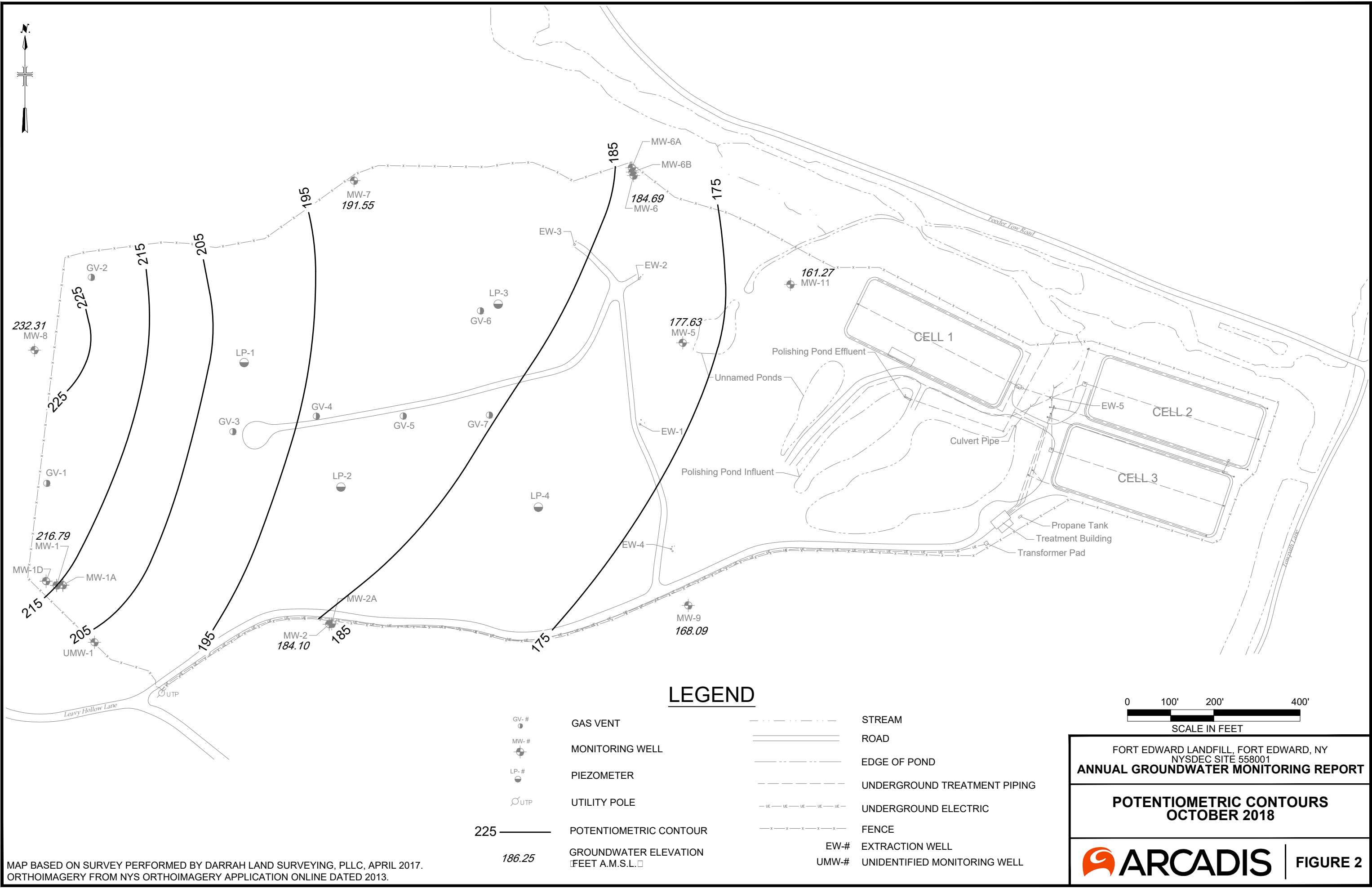
ANNUAL GROUNDWATER MONITORING REPORT

SITE LOCATION MAP



**FIGURE
1**

USER: J\MULLINS FILENAME: G:\ACAD\PROJ\00266434.0000\ANNUAL GW REPORT\FIG2-POT MAP OCT 2018.DWG SAVE DATE: 12/4/2018 2:14 PM PLOT DATE: 12/4/2018 2:15 PM



MAP BASED ON SURVEY PERFORMED BY DARRAH LAND SURVEYING, PLLC, APRIL 2017.
ORTHOIMAGERY FROM NYS ORTHOIMAGERY APPLICATION ONLINE DATED 2013.

0100'200'400'

SCALE IN FEET

FORT EDWARD LANDFILL, FORT EDWARD, NY
NYSDEC SITE 558001

ANNUAL GROUNDWATER MONITORING REPORT

POTENTIOMETRIC CONTOURS
OCTOBER 2018

ARCADIS

FIGURE 2

Figure 3
Total VOCs in Upgradient Groundwater
Fort Edward Landfill
Site No. 558001

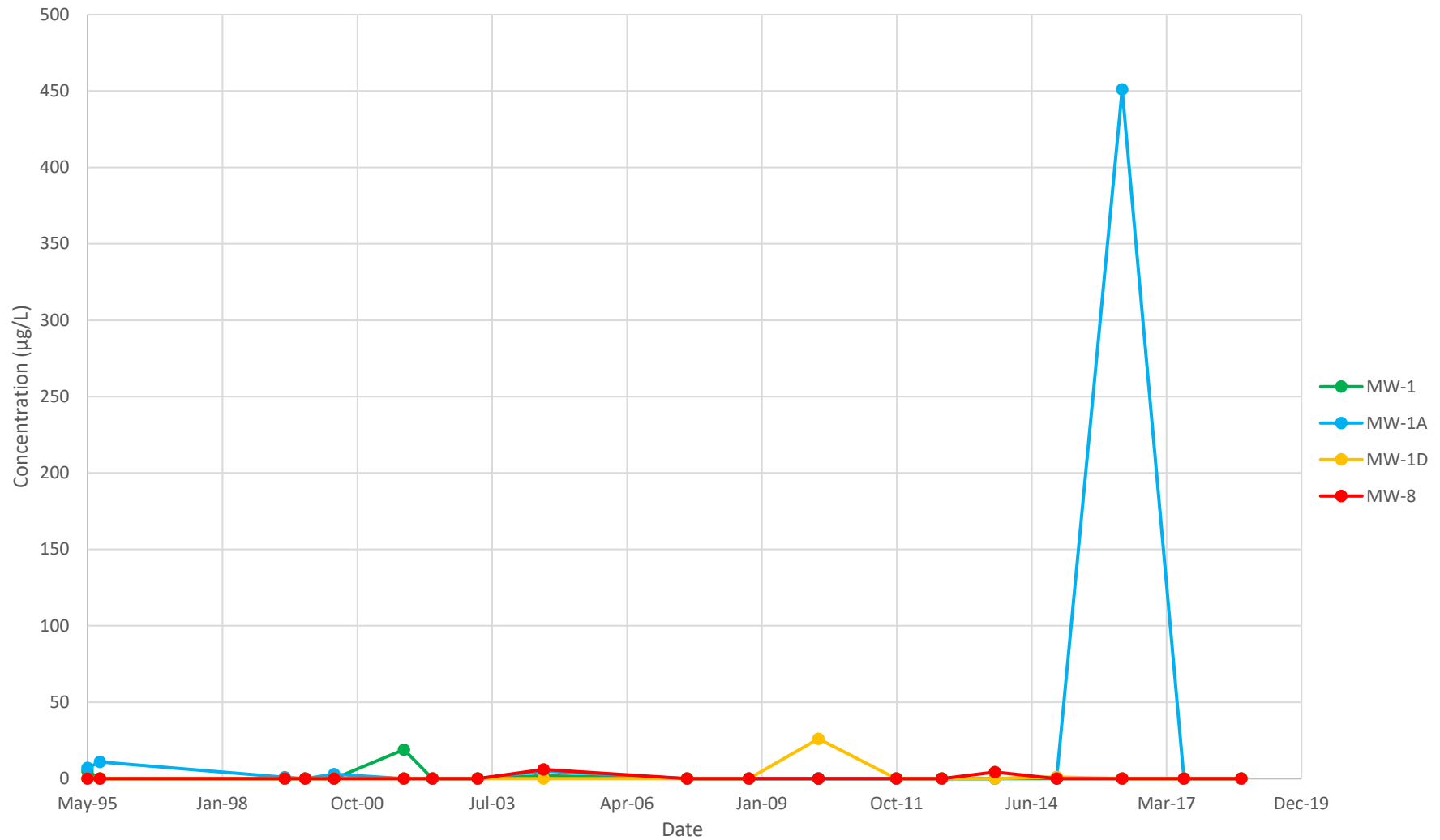


Figure 4
Total VOCs in Downgradient Groundwater
Fort Edward Landfill
Site No. 558001

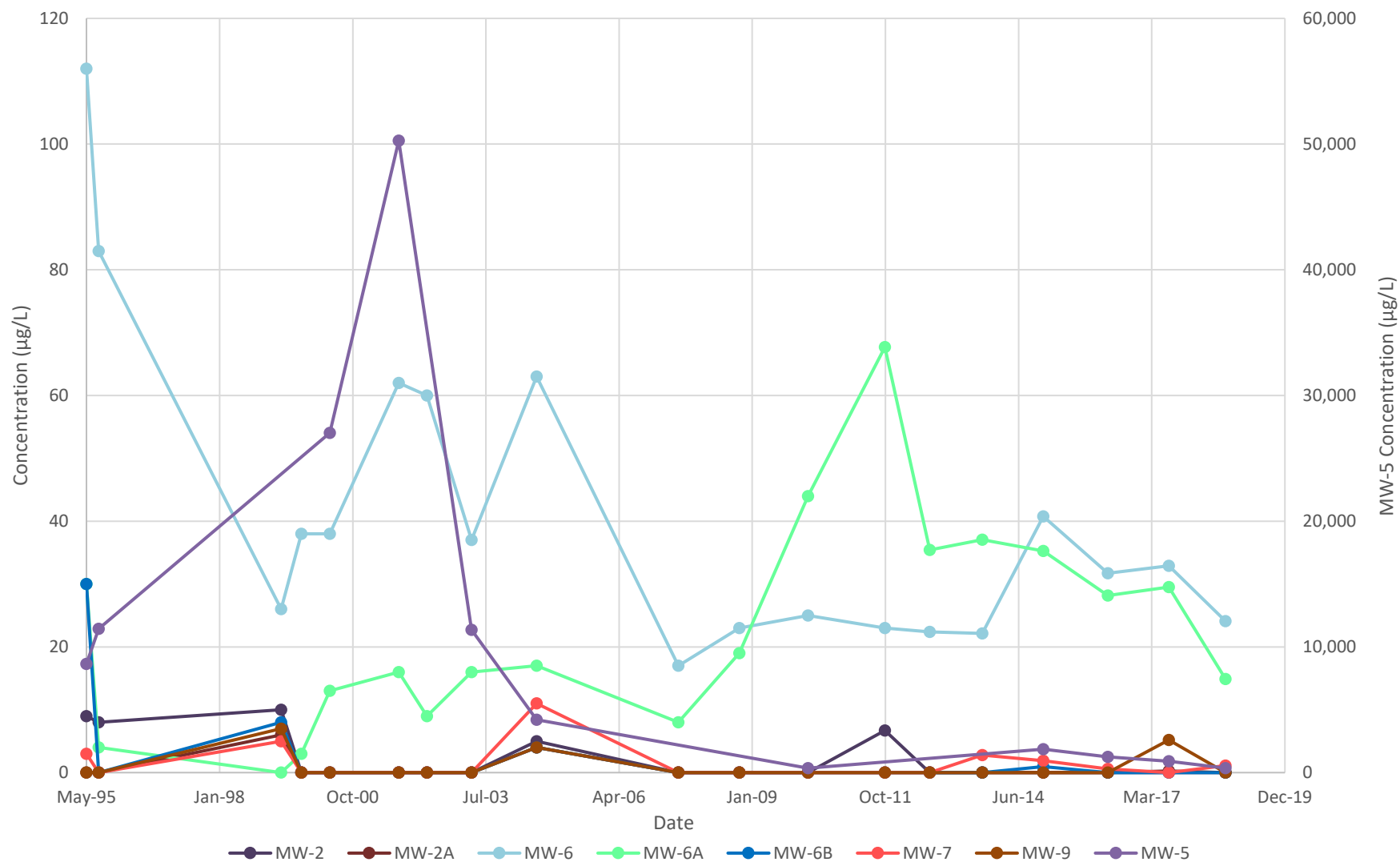


Figure 5
Total PCBs in Upgradient Groundwater
Fort Edward Landfill
Site No. 558001

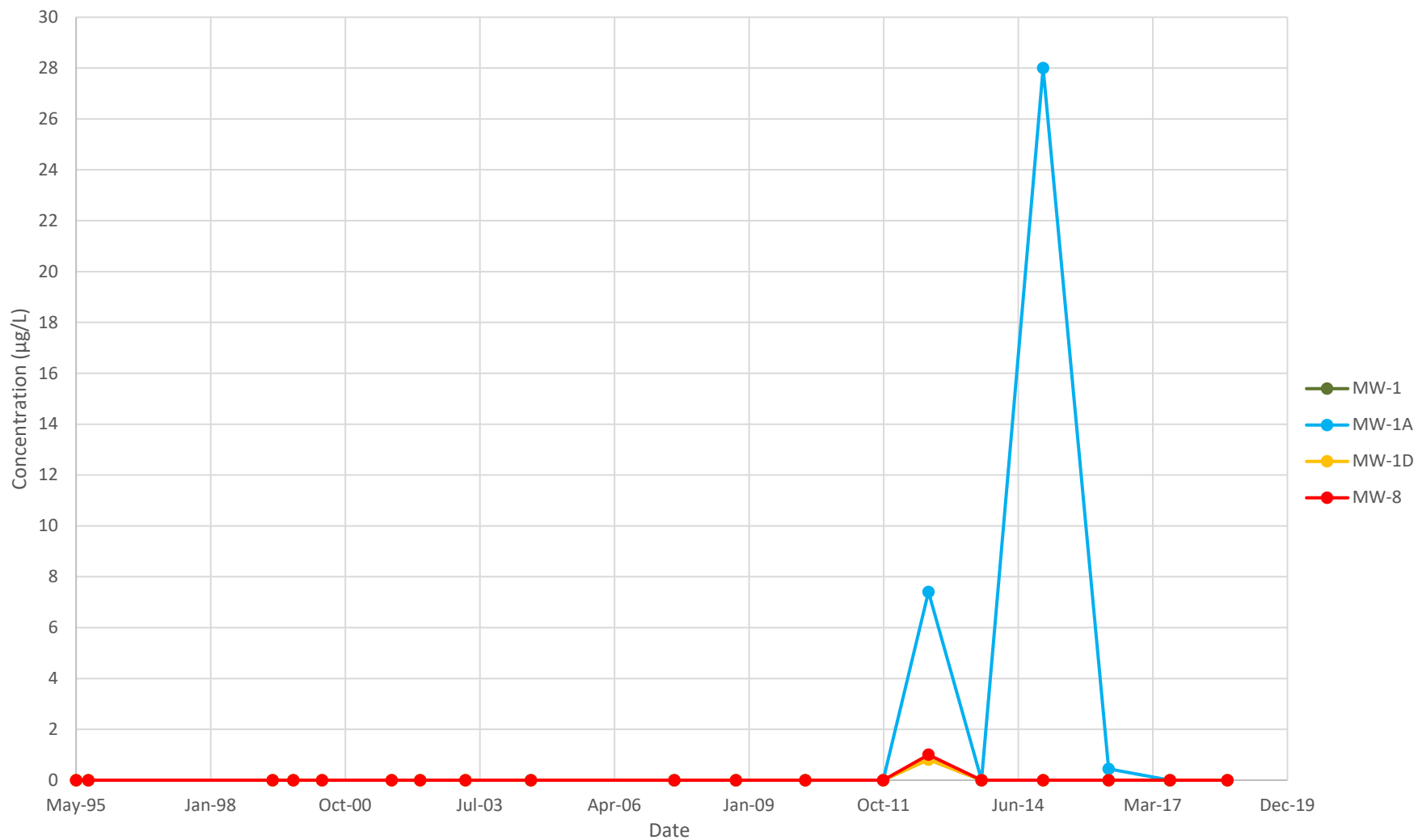


Figure 6
Total PCBs in Downgradient Groundwater
Fort Edward Landfill
Site No. 558001

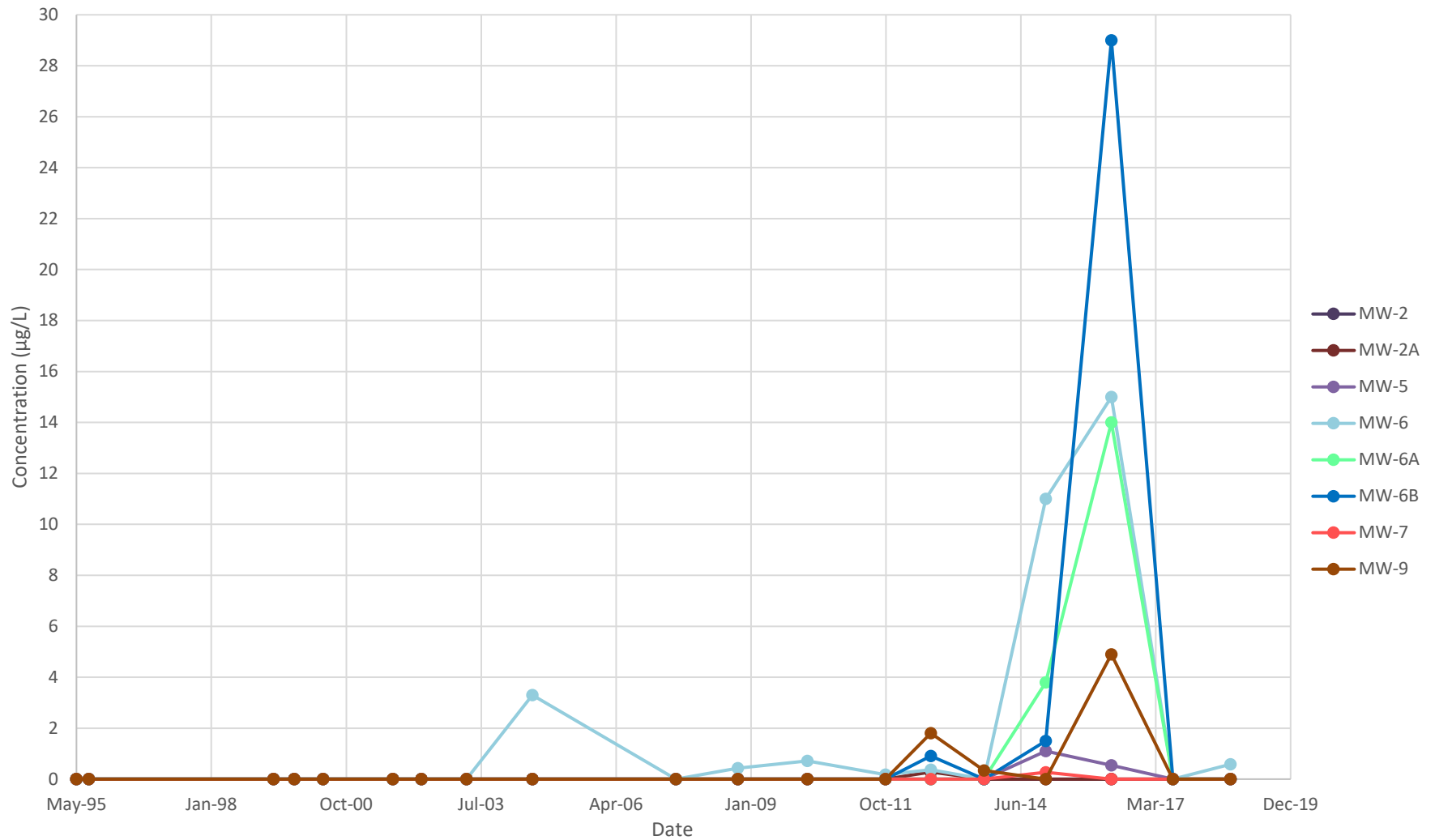


Figure 7
Iron in Upgradient Groundwater
Fort Edward Landfill
Site No. 558001

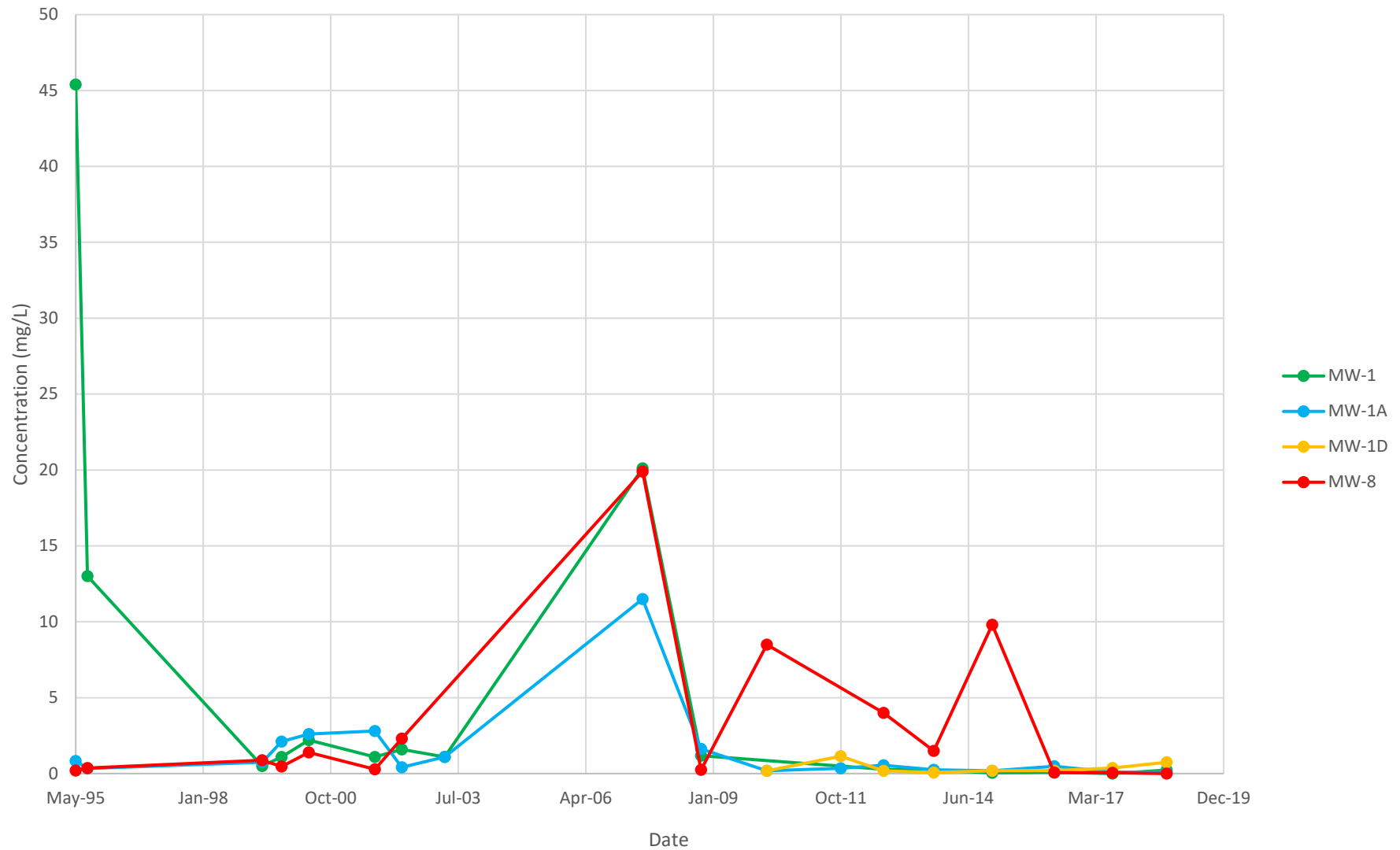
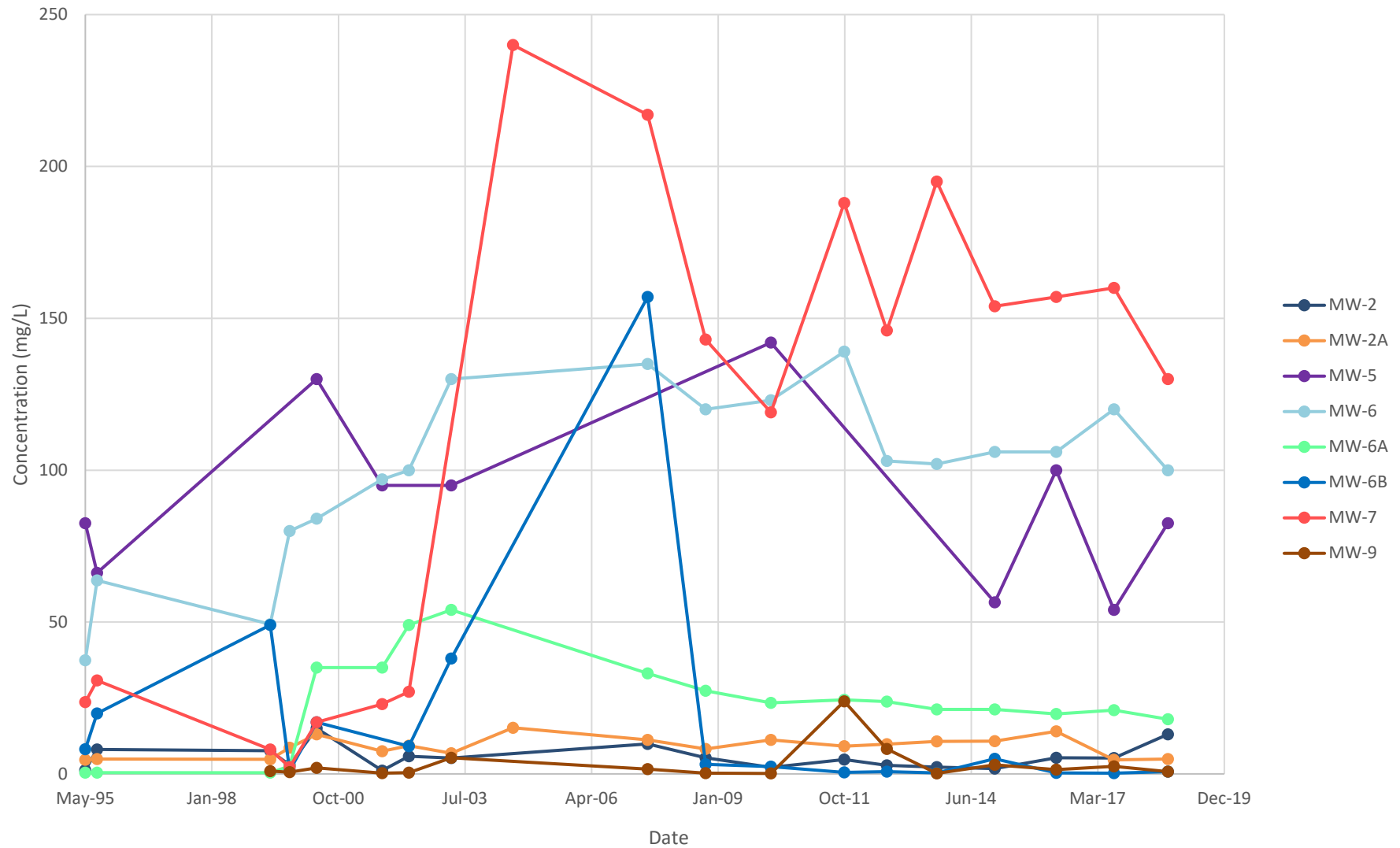
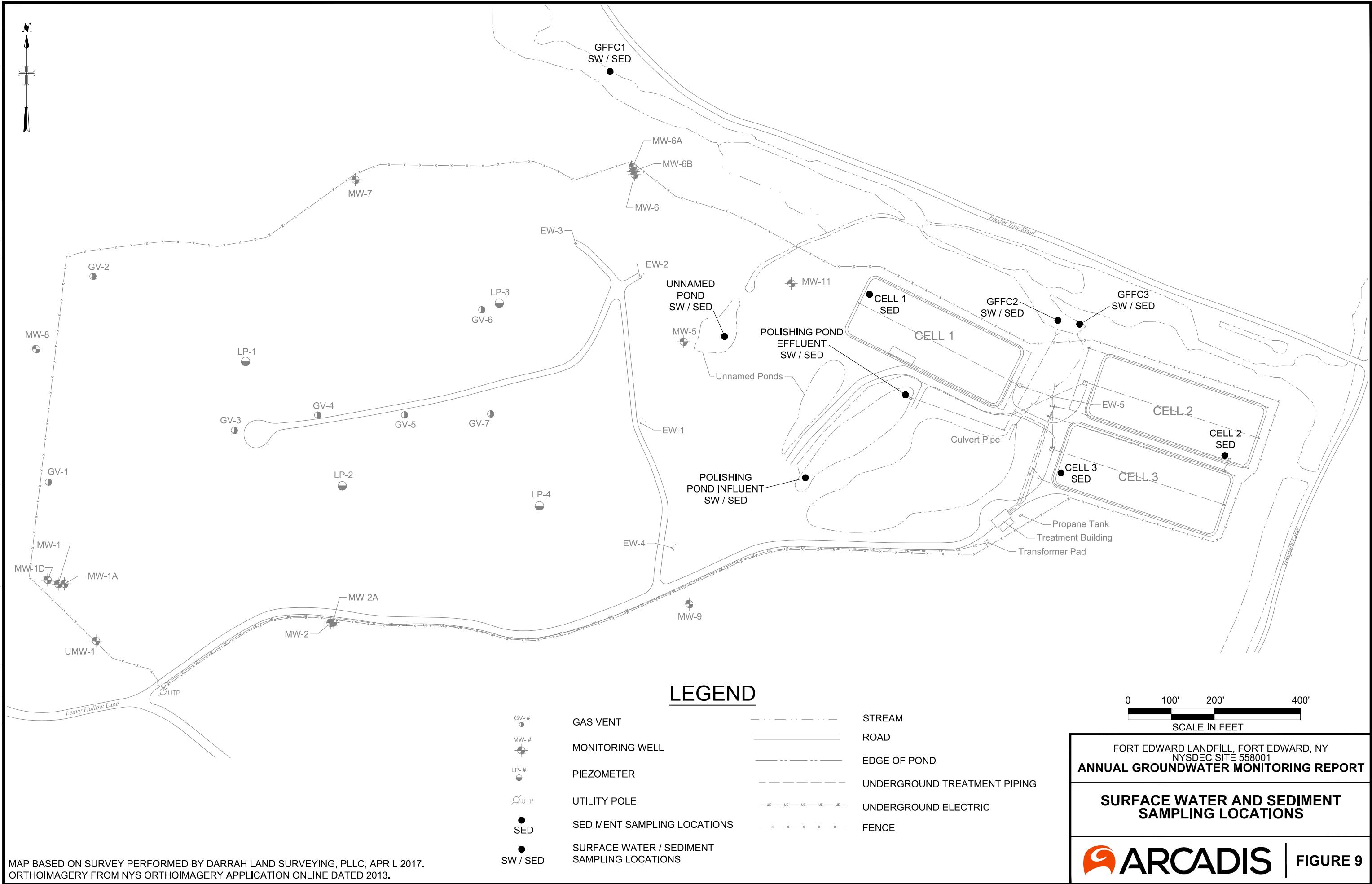


Figure 8
Iron in Downgradient Groundwater
Fort Edward Landfill
Site No. 558001







APPENDIX A

Groundwater Sampling Purge Logs



Groundwater Sampling Log

Project No. 00266434.0000 Well ID EW-2 Page 1 of 1
 Project Name/Location Fort Edward Landfill Date 10-22-18
 Weather 34°F, Sunny
 Measuring Pt. Description _____ Screen Setting (ft-bmp) _____ Casing Diameter (in.) _____ Well Material: PVC _____ SS _____
 Total Depth (ft-bmp) _____ Static Water Level (ft-bmp) _____ Water Column in Well (ft.) _____ Gallons in Well _____
 MP Elevation _____ Pump Intake (ft-bmp) _____ Volumes Purged _____ Gallons Purged _____
 Sample Method Grab Pump On/Off _____ Sample Time Label 0950 Purge Method _____
 Replicate/Code No. _____ Sampled By NK/JM Start _____ Centrifugal _____
 End _____ Submersible _____
 Disp. Bailer ☒ Other _____

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
<u>0950</u>	<u>0</u>	<u>—</u>	<u>—</u>	<u>0</u>	<u>6.66</u>	<u>1.14</u>	<u>82.5</u>	<u>12.84</u>	<u>11.03</u>	<u>-74</u>	<u>tinted orange</u>	<u>Slight</u>

Constituents Sampled	Container	Number	Preservative
<u>PCBs</u>	<u>1L Amber</u>	<u>2</u>	<u>—</u>
<u>VOC's</u>	<u>90 mL Vial</u>	<u>3</u>	<u>HCL</u>
<u>Trg-Metals</u>	<u>250 mL plastic</u>	<u>1</u>	<u>nitric</u>
<u>TSS/TDS</u>	<u>500 mL plastic</u>	<u>1</u>	<u>—</u>

Well Information

Well Location: See map Well Locked at Arrival: N/A
 Condition of Well: Good Well Locked at Departure: N/A
 Well Completion: Flush Mount / Stick Up Key Number To Well: N/A

NOTES: slightly turbid

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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built assets

Date 10-22-18

Weather 54004 34°K

Well Material: PVC
SS

Gallons in Well

Gallons
PurgedPurge Method Centrifugal

Submersible _____
Disp. Bailer ☒ _____
Other _____

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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built assets

Welt ID

Page 1 of 1

Date 10-22-18

Weather Sunny 34°F

Well Material: PVC
SS

Gallons in Well

**Gallons
Purged**

Purge Method

Sampled By NK/JM

Label 1620
Start _____
End _____

Centrifugal _____
Submersible _____
Disp. Bailer ☒ _____
Other _____

Constituents Sampled	Container	Number	Preservative
PCBs	1L Amber	2	—
Vols	40 mL Vol	3	HCL
tail metals	250 mL plastic	1	nitric
TSS / TDS	500 mL plastic	1	—

Well Location:	See map	Well Locked at Arrival:	N/A
Condition of Well:	Good	Well Locked at Departure:	N/A
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	N/A

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Groundwater Sampling Log

Project No. 00266434.0000 Well ID Influent
 Project Name/Location Fort Edward Landfill
 Measuring Pt. Description _____ Screen Setting (ft-bmp) _____ Casing Diameter (in.) _____
 Total Depth (ft-bmp) _____ Static Water Level (ft-bmp) _____ Water Column in Well (ft.) _____
 MP Elevation _____ Pump Intake (ft-bmp) _____ Volumes Purged _____
 Sample Method Grab Pump On/Off _____ Sample Time Label 0855
 Replicate/Code No. _____ Sampled By NK Start _____ End _____

Page 1 of 1
 Date 10-22-18
 Weather Sunny, 34°F
 Well Material: PVC _____ SS _____
 Gallons in Well _____
 Gallons Purged 1.0
 Purge Method _____
 Centrifugal _____
 Submersible _____
 Disp. Bailer _____
 Other _____

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
<u>0855</u>	<u>0</u>	<u>—</u>	<u>—</u>	<u>1.0</u>	<u>6.40</u>	<u>.775</u>	<u>0.00</u>	<u>6.03</u>	<u>13.56</u>	<u>33</u>	<u>orange</u>	<u>—</u>

Constituents Sampled	Container	Number	Preservative
<u>PCBs</u>	<u>1L Amber</u>	<u>2</u>	<u>—</u>
<u>TAL Metals</u>	<u>plastic 250 mL</u>	<u>1</u>	<u>nitric</u>
<u>ISS/TDS</u>	<u>plastic 500 mL</u>	<u>1</u>	<u>—</u>
<u>VOCs</u>	<u>Vial 40 mL</u>	<u>3</u>	<u>HCL</u>

Well Information

Well Location: See map; inside building Well Locked at Arrival: N/A
 Condition of Well: Good Well Locked at Departure: N/A
 Well Completion: Flush Mount / Stick Up Key Number To Well: N/A

NOTES:

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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built assets

Well ID

Page 1 of 1

Date 10-22-18

Weather Sunny 34°F

Casing
Diameter (in.)

Well Material: PVC _____
SS _____

Water Column
in Well (ft.)

Gallons in Well

Volumes Purged

Gallons
Purged 4.0

Grab

Pump On/Off

Sample Time Start

Purge Method

Sampled By

Centrifugal
Submersible
Disp. Bailer
Other

Constituents Sampled	Container	Number	Preservative
PCBs	1L Amber	2	none
VOCS	40 mL Vial	3	HCL
Tal Metals	250 mL plastic	1	nitric
TSS/FDS	500 mL plastic	1	none

Well Location:	See map, inside building	Well Locked at Arrival:	N/A
Condition of Well:	Good	Well Locked at Departure:	N/A
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	N/A

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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Well ID

Cell 3 by pass

Page 1 of 1

Date 10-22-18

Weather Sunny @ 34°F

Well Material: PVC _____
SS _____

Gallons in Well

Gallons
Purged 0.0

Purge Method _____

Centrifugal _____

Submersible _____

Disp. Bailer

Other Per is 191190

[illegible]

Constituents Sampled	Container	Number	Preservative
PCB's	1L Amber	2	-
POC's	40 mL Vial	23	HCL
Tot - Metal	250mL Plastic	1	nitric
TSS/TDP	500 mL plastic		-

Well Location:	<u>Seemap</u>	Well Locked at Arrival:	<u>N/A</u>
Condition of Well:	<u>Good</u>	Well Locked at Departure:	<u>N/A</u>
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	<u>N/A</u>

NOTES:

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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built assets

Well ID

CELL 3 (SOIL)

Date _____

Page 1 of 1
10/22/18

Weather

Sunny@349F

Casing
Diameter (in.)

Well Material: PVC
SS

Water Column
in Well (ft.)

Gallons in Well

Volumes Purged

Gallons
Purged

GRAB

Sample Time

Label 1110

Purge Method

Sampled By

NK/Im

Start	End

Centrifugal
Submersible
Disp. Bailer
Other

[illegible]

Well Location:	<u>See map</u>	Well Locked at Arrival:	<u>N/A</u>
Condition of Well:	<u>Good</u>	Well Locked at Departure:	<u>N/A</u>
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	<u>N/A</u>

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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Well ID

CELL 2 Effluent

Date _____

Page 10 of 22

Fort Edward Landfill

Weather

Cindy@3495

Screen Setting
(ft-bmp)

Casing
Diameter (in.)

Well Material: PVC ✓
SS

Total Depth
(ft-bmp)

Static Water
Level (ft-bmp)

Water Column
in Well (ft.)

Gallons in Well

MP Elevation

Pump Intake
(ft-bmp)

Volumes Purged

Gallons
Purged

Sample Method

GLAB

Pump On/Off

1128 / 1138

Sample Time

Label 1130

Start 128

End 1128

Purge Method *Yes*

Centrifugal

Submersible

Disp. Bailer

Other Periodic

Replicate/Code
No.

Sampled By

NK&Jm

[illegible]

Well Location:	See map	Well Locked at Arrival:	N/A
Condition of Well:	Good	Well Locked at Departure:	N/A
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	N/A

NOTES: Faint orange tint

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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CELL 2 (SOIL)

Page 1 of 1

Date _____

10/22/8

Fort Edward Landfill

Weather

Elowely@3497

Casing
Diameter (in.)

Well Material: PVC
SS

Water Column
in Well (ft.)

Gallons in Well

Volumes Purged

Gallons
Purged

GRAB

Pump On/Off

Sample Time	Label
Start	End

Purge Method

Centrifugal

Sampled By

NK & Jm

Submersible

Disp. Bailer

Other

[illegible]

Well Location:	<u>Sec map</u>	Well Locked at Arrival:	<u>N/A</u>
Condition of Well:	<u>good</u>	Well Locked at Departure:	<u>N/A</u>
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	<u>N/A</u>

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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Well ID

Cell / Effluent

Page 1 of 1

Date 10-22-18

Weather *Cloudy @ 40°*

Well Material: PVC

SS _____

Screen Setting
(ft-bmp)

Casing
Diameter (in.)Total Depth
(ft-bmp)

Static Water
Level (ft-bmp)

Water Column
in Well (ft.)Gallons in
Well

MP Elevation

Pump Intake
(ft-bmp)

Volumes Purged

Gallons
Purged

Sample Method

Pump On/Off

Purge Method

Centrifugal

Submersible

Disp. Bailer

Other peruse / track

[illegible]

Constituents Sampled	Container	Number	Preservative
PCBs	1L amber	2	—
VOCs	40 mL vial	3	HCL
FAI - metals	25 mL plastic	1	nitric
TSS / TDS	500 mL plastic	1	—

Well Information

Well Location:

Condition of Well:

Well Completion:

Well Locked at Arrival: *N/A*

Well Locked at Departure: NA

Key Number To Well: N/A

NOTES:

Well Casing Volumes

Gallons/Foot

 $1'' = 0.04$
$$1.5'' = 0.09$$
$$2.5^m = 0.26$$
 $3.5'' = 0.50$ $6'' = 1.47$
$$1.25'' = 0.06$$
$$2^n = 0.16$$
 $3^n = 0.37$ $4'' = 0.65$

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Well ID

CELL 1 (SOIL)

Date _____

Page 1 of 1
10/22/18

Weather

cloudy, 40°F

Screen Setting
(ft-bmp)

Casing
Diameter (in.)

Well Material: PVC _____
SS _____

Total Depth
(ft-bmp)

Static Water
Level (ft-bmp)

Water Column
in Well (ft.)

Gallons in Well

MP Elevation

Pump Intake
(ft-bmp)

Volumes Purged

Gallons
Purged

Sample Method

Graph

Pump On/Off

Sample Time Label 1500
Start _____
End _____

Purge Method _____
Centrifugal _____
Submersible _____
Disp. Bailer _____
Other _____

Replicate/Code
No.

Sampled By *NK & JM*

[illegible]

Well Location:	<u>See map</u>	Well Locked at Arrival:	<u>N/A</u>
Condition of Well:	<u>Good</u>	Well Locked at Departure:	<u>N/A</u>
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	<u>N/A</u>

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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Well ID

Polishing Pond / Influent

Page 1 of 1
10-22-18

Weather cloudy 40°F

Well Material: PVC _____
SS

Gallons in Well

Gallons
Purged

Purge Method

Start _____
End _____

Centrifugal _____
Submersible _____
Disp. Bailer _____
Other _____

Constituents Sampled	Container	Number	Preservative
PCBS	1L Amber	2	—
VOCs	40 mL Vial	3	HCl
Tal - Metals	250 mL plastic	1	nitric
BS/TDS	800 mL plastic	1	—
VOCs	JAR Amber 4oz	1	—
Tal Metals + PCBS	JAR Amber 8oz	1	—

Well Location:	See map	Well Locked at Arrival:	N/A
Condition of Well:	Good	Well Locked at Departure:	N/A
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	N/A

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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Page 1 of 1
10/22/18

Weather Cloudy @ 40°F

Well Material: PVC _____
SS _____

Gallons in Well _____

Gallons
Purged _____

Purge Method _____

Centrifugal _____
Submersible _____
Disp. Bailer _____
Other _____

[illegible][illegible]

Well Information

Well Location:	<u>See map</u>	Well Locked at Arrival:	<u>N/A</u>
Condition of Well:	<u>Good</u>	Well Locked at Departure:	<u>N/A</u>
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	<u>N/A</u>

NOTES:

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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built assets

Well ID

Blishing Pond Effluent Date

Page 1 of 1
10-22-18

Weather *Cloudy 40*

Well Material: PVC _____
SS _____

Gallons in
WellGallons
Purged

Purge Method _____
Centrifugal _____
Submersible _____
Disp. Bailer _____
Other Peristaltic

Sampled By NK / JM

Constituents Sampled	Container	Number	Preservative
PCBs	1 L Amber	2	—
VOCs	40mL Vial	3	HCl
Pesticide metals	250mL plastic	1	nitric
PAH/PDS	500 mL plastic	1	—

Well Location:	<u>see map</u>	Well Locked at Arrival:	<u>N/A</u>
Condition of Well:	<u>60/20</u>	Well Locked at Departure:	<u>N/A</u>
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	<u>N/A</u>

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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built assets

GFC

Page 1 of 1

10/22/18
Clondy@40F

Fort Edward Landfill

Casing
Diameter (in.)

Well Material: PVC
SS

Water Column
in Well (ft.)

Gallons in Well

Volumes Purged

Gallons
Purged

GRAB

Sample Time

Label 1610

Purge Method

Sampled By

NK & JM

End

Centrifugal

Submersible

Disp. Bailer

Other

6W
50L

501 L

Well Location:	<u>see map</u>	Well Locked at Arrival:	<u>N/A</u>
Condition of Well:	<u>N/A</u>	Well Locked at Departure:	<u>N/A</u>
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	<u>N/A</u>

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Groundwater Sampling Log

Project No. 00266434.0000 Well ID GFFC2 Page 1 of 1

Project Name/Location Fort Edward Landfill Date 10-22-18

Measuring Pt. Description Screen Setting (ft-bmp) Casing Diameter (in.) Weather cloudy 40°F

Total Depth (ft-bmp) Static Water Level (ft-bmp) Water Column in Well (ft.) Well Material: PVC

MP Elevation Pump Intake (ft-bmp) Volumes Purged SS

Sample Method Grab Pump On/Off Sample Time Label 1445 Gallons in Well

Replicate/Code No. Sampled By NK/JM Start End Gallons Purged

Purge Method Centrifugal Submersible Disp. Bailer Other

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
1445	0	—	—	0.0	7.52	0.772	6.08	11.08	9.1	-57	light brown	None

Constituents Sampled	Container	Number	Preservative
PCBs	1L Amber	2	—
VOCS	40mL vial	3	HCL
semi-volatiles	250mL plastic	1	nitric
pesticides	500 mL plastic	1	—
VOCS	JAR Amber 4 oz.	1	—
TAL metals & PCBs	JAR Amber 8 oz.	1	—

Well Information

Well Location: See map Well Locked at Arrival: N/A

Condition of Well: N/A Well Locked at Departure: N/A

Well Completion: Flush Mount / Stick Up Key Number To Well: N/A

NOTES:

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Groundwater Sampling Log

Project No. 00266434.0000 Well ID UNNAMED POND Date 10/22/18 Page 1 of 1

Project Name/Location Fort Edward Landfill Weather Cloudy 40°F

Measuring Pt. Description _____ Screen Setting (ft-bmp) _____ Casing Diameter (in.) _____ Well Material: PVC _____ SS _____

Total Depth (ft-bmp) _____ Static Water Level (ft-bmp) _____ Water Column in Well (ft.) _____ Gallons in Well _____

MP Elevation _____ Pump Intake (ft-bmp) _____ Volumes Purged _____ Gallons Purged _____

Sample Method GRAB Pump On/Off _____ Sample Time 1535 Label Start _____ End _____ Purge Method _____ Centrifugal _____ Submersible _____ Disp. Bailer _____ Other _____

Replicate/Code No. _____ Sampled By JM / NK

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°F)	Redox (mV)	Appearance	
											Color	Odor
<u>1535</u>	<u>0</u>	<u>—</u>	<u>—</u>	<u>0.0</u>	<u>6.43</u>	<u>1.60</u>	<u>220</u>	<u>6.05</u>	<u>9.81</u>	<u>23</u>	<u>Gray</u>	<u>Gas-like odor</u>

Constituents Sampled	Container	Number	Preservative
<u>PCBS</u>	<u>2L Amber</u>	<u>2</u>	<u>—</u>
<u>ICL VOLs</u>	<u>40 mL VOA VIAL</u>	<u>3</u>	<u>HCL</u>
<u>TAL Metals w/ Hg</u>	<u>250 mL Plastic</u>	<u>1</u>	<u>NITRIC</u>
<u>TSS/TDS</u>	<u>500 mL Plastic</u>	<u>1</u>	<u>—</u>
<u>VOLs</u>	<u>402L Amber Jar</u>	<u>1</u>	<u>—</u>
<u>TAL Metals, PCBS</u>	<u>602L Amber Jar</u>	<u>1</u>	<u>—</u>

Well Information

Well Location: see map Well Locked at Arrival: N/A

Condition of Well: N/A Well Locked at Departure: N/A

Well Completion: Flush Mount / Stick Up Key Number To Well: N/A

NOTES: Sheen noted; colloidal

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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Page 1 of 1

Well ID

Date _____

Weather

Casing Diameter (in.) 2

Well Material: PVC SS

Water Column
in Well (ft.) 8.37

Gallons in Well 1.33

Volumes Purged

Gallons Purged 1.20

Label 1010
Sample Time Start 1008
End 1022

Purge Method _____
Centrifugal _____
Submersible Bledder
Disp. Bailer _____
Other _____

Sampled By J. Mullins

Constituents Sampled	Container	Number	Preservative
PCBs	1L Amber	2	—
TCL VOCs	40 mL VOA VIAL	3	HCl
TAL Metals w/ Hg	250 mL Plastic	1	NITRIC
TSS/TDS	500 mL Plastic	1	—

Well Location:	See Map	Well Locked at Arrival:	No
Condition of Well:	Fine	Well Locked at Departure:	Yes
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	0344

NOTES: CPM2/3 setting used on bladder pump. initially / final

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Groundwater Sampling Log

Project No. 00266434.0000 Well ID MW-1A
Project Name/Location Fort Edward Landfill
Measuring Pt. Description Top of PVC Screen Setting (ft-bmp) 41.49 Casing Diameter (in.) 2
Total Depth (ft-bmp) 65.07 Static Water Level (ft-bmp) 41.49 Water Column in Well (ft.) 23.58
MP Elevation 61.07 Pump Intake (ft-bmp) 61.07 Volumes Purged 3.77
Sample Method Grab Pump On/Off 930/1058 Sample Time Label 1012
Replicate/Code No. 04P-1 Sampled By NK Start 1016 End 1038

Page 1 of 1
Date 10-24-18
Weather Cloudy 40°F
Well Material: PVC ☒ SS ☐
Gallons in Well 3.77
Gallons Purged 1.95
Purge Method Centrifugal
Submersible Bladder pump
Disp. Bailer Other

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (umhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
935	0		42.01	0.0	7.46	0.327	0.00	5.12	10.99	206	Clear	none
940	5		43.41	0.35	7.48	0.290	0.00	3.99	10.45	196	"	"
945	10		44.19	0.60	8.60	0.236	0.00	2.21	10.75	179	"	"
950	15		45.15	0.75	8.72	0.207	0.00	1.96	10.66	162	"	"
955	20		46.09	1.1	8.74	0.194	0.00	1.93	10.62	151	"	"
1000	25		46.90	1.49	8.74	0.191	0.00	1.93	10.59	139	"	"
1005	30		47.64	1.60	8.75	0.191	0.00	1.89	10.60	124	"	"
1010	35		48.30	1.95	8.74	0.191	0.00	1.77	10.65	105	"	"

Constituents Sampled	Container	Number	Preservative
PBCs	1L Amber	2	
DOCs	40mL Vial	3	HCL
Trace Metals w/ Hg	250mL plastic	1	nitric
TS/TOC	500mL plastic	1	

Well Information	
Well Location: <u>see map</u>	Well Locked at Arrival: <u>NO</u>
Condition of Well: <u>good</u>	Well Locked at Departure: <u>NO</u>
Well Completion: <u>Flush Mount / Stick Up</u>	Key Number To Well: <u>N/A</u>

NOTES: Compressor set to CPM 2

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.85	

Groundwater Sampling Log

Project No. 00266434.0000 Well ID MW-2D
 Project Name/Location Fort Edward Landfill
 Measuring Pt. Description Top of PVC Screen Setting (ft-bmp) Casing Diameter (in.) 2
 Total Depth (ft-bmp) 171.00 Static Water Level (ft-bmp) 40.71 Water Column in Well (ft.) 130.29
 MP Elevation Pump Intake (ft-bmp) 165.00 Volumes Purged
 Sample Method GRAB Pump On/Off 1246/1345 Sample Time Label Start 1330 End 1328
 Replicate/Code No. Sampled By J. Mullins

Page 1 of 1
 Date 10/23/18
 Weather Buzzling @ 42°F
 Well Material: PVC ✓ SS
 Gallons in Well 20.84
 Gallons Purged 1.75
 Purge Method
 Centrifugal
 Submersible Bladder
 Disp. Bailer
 Other

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (umhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
1250	0		40.98	0.0	7.50	0.413	179	4.08	11.34	-36	Clear	Strong
1255	5		41.15	0.25	7.59	0.391	94.7	2.50	11.42	-84	"	"
1300	10		42.65	0.50	7.49	0.392	103	2.43	11.44	-89	cloudy	"
1305	15		42.74	0.75	7.50	0.392	103	2.43	11.48	-99	"	"
1310	20		42.85	1.00	7.50	0.393	103	2.32	11.50	-106	"	"
1315	25		42.92	1.25	7.52	0.393	103	2.36	11.52	-109	"	"
1320	30		43.01	1.50	7.52	0.394	103	2.37	11.54	-110	"	"
1325	35		43.11	1.75	7.52	0.396	103	2.39	11.54	-109	"	"

Constituents Sampled	Container	Number	Preservative
PCBS	2 Amber	2	
TAL VOCs	40 mL VOA VIAL	3	HAZ
TAL Metals w/ Hg	250 mL Plastic	1	NITRIC
TSS/TDS	500 mL Plastic	1	

Well Information
 Well Location: See Map Well Locked at Arrival: NO
 Condition of Well: Fine; PVC cap broken Well Locked at Departure: Yes
 Well Completion: Flush Mount / Stick Up Key Number To Well: 0344

NOTES: CPM2 setting used on Hachler pump
odor smells like waste (soul)

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Groundwater Sampling Log

Project No. 00266434.0000 Well ID MW-2 Page 1 of 1
 Project Name/Location Fort Edward Landfill Date 10-23-18
 Measuring Pt. Description Top of PVC Screen Setting (ft-bmp) 2" Weather Raining, 40°F
 Casing Diameter (in.) 2" Well Material: PVC ☒ SS ☐
 Total Depth (ft-bmp) 18.25 Static Water Level (ft-bmp) 9.76 Water Column in Well (ft.) 8.49 Gallons in Well 1.35
 MP Elevation medium Pump Intake (ft-bmp) 16.25 Volumes Purged 2.00
 Sample Method Grab Pump On/Off 0945/1104 Sample Time Label 1050
 Start 1049 End 1104 Purge Method Peristaltic
 Replicate/Code No. J. Mallins Centrifugal ☐
 Submersible ☐
 Disp. Bailer ☐

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
0955	0		9.84	0.0	6.55	0.848	516	2.59	12.46	85	Tan	none
1000	5		9.84	0.25	6.69	0.826	431	1.48	12.26	19	"	"
1015	10		9.86	0.50	6.70	0.831	325	1.90	12.16	17	"	"
1020	15		9.86	0.75	6.71	0.832	110	1.81	12.09	9	"	"
1025	20		9.88	1.00	6.71	0.834	105	1.81	12.08	-1	Clear	"
1030	25		9.88	1.25	6.70	0.830	100	1.79	12.11	-7	"	"
1035	30		9.88	1.50	6.71	0.830	102	1.78	12.11	-8	"	"
1040	35		9.90	1.75	6.70	0.829	100	1.77	12.11	-10	"	"
1045	40		9.90	2.00	6.71	0.829	102	1.76	12.11	-10	"	"

Constituents Sampled	Container	Number	Preservative
PLBS	16 Amber	3	
VOCs	40 mL Vial	2	HCL
Tal-metal w/ Hg	250 mL plastic	1	nitric
TSS/TDS	500 mL plastic	1	

Well Information

Well Location: See map Well Locked at Arrival: NO
 Condition of Well: Good Well Locked at Departure: NO
 Well Completion: Flush Mount / Stick Up Key Number To Well: N/A

NOTES:

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Groundwater Sampling Log

Project No. 00266434.0000 Well ID MW-02A Page 1 of 1
 Project Name/Location Fort Edward Landfill Date 10-23-18
 Measuring Pt. Description top of PVC Screen Setting (ft-bmp) Casing Diameter (in.) Weather Cloudy 38°F
 Total Depth (ft-bmp) 26.80 Static Water Level (ft-bmp) 10.85 Water Column in Well (ft.) 16.05 Well Material: PVC ☒ SS ☐
 MP Elevation Pump Intake (ft-bmp) 25.3 Volumes Purged Gallons in Well 2.57
 Sample Method Grab Pump On/Off 1023/1140 Sample Time Label Start 1105 End 1140 Purge Method Peristaltic
 Replicate/Code No. Sampled By NK Centrifugal ☐ Submersible ☐ Disp. Bailer ☐ Other ☐

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
1023	5		11.95	0.8	6.47	0.552	39.1	8.76	11.89	242	Orange tint	None
1028	10		12.53	1.1	6.31	0.555	48.2	9.95	11.77	149	" "	" "
1033	15		12.65	1.4	6.10	0.563	45.1	3.73	11.55	51	" "	" "
1038	20		12.69	1.5	6.05	0.574	43.7	7.13	11.35	53	" "	" "
1043	25		12.69	1.6	6.03	0.579	37.2	7.78	11.20	48	" "	" "
1048	30		12.7	1.75	6.01	0.581	31.7	7.97	11.02	37	" "	" "
1053	35		12.7	2.0	6.00	0.582	24.0	7.97	10.90	30	" "	" "
1058	40		12.7	2.2	5.99	0.586	14.7	8.04	10.77	26	" "	" "
1103	45		12.7	2.45	5.98	0.587	12.1	8.13	10.57	20	" "	" "

Constituents Sampled	Container	Number	Preservative
PCBs	1L Amber	2	—
VOCs	40 mL Vial	3	HCL
rat-metals w/ Hg	250 mL plastic	1	nitric
TSS/TDS	500 mL plastic	1	—

Well Information

Well Location: <u>see map</u>	Well Locked at Arrival: <u>N</u>
Condition of Well: <u>good</u>	Well Locked at Departure: <u>N</u>
Well Completion: <u>Flush Mount / Stick Up</u>	Key Number To Well: <u>N/A</u>

NOTES:

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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Well ID

Date _____

Page 1 of 1

Fort Edward Landfill

Weather

Top of PVC

2"

SS PVC ✓

7.62

5.80

1.82

0.29

7.62

d. _____

120

GRAB

1058172a

Label 1135
 Count 1135

d _____

J. Mullins

Start	1132
End	1264

ifugal _____

rsible _____

Bailer _____

Other Peristaltic

Constituents Sampled	Container	Number	Preservative
PCBs	1 L Amber	2	—
TCL VOCs	40 mL VOA VIAL	3	HCL
TAL metals w/ Hg	250 mL Plastic	1	NITRIC
TSS/TDS	500 mL Plastic	1	—

Well Location:	see map; adjacent to unnamed pond	Well Locked at Arrival:	NO
Condition of Well:	fine	Well Locked at Departure:	Yes
Well Completion:	Flush Mount / <u>Stick Up</u>	Key Number To Well:	0344

NOTES: Odor smells like oil / slightly foul; sheen observed

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Groundwater Sampling Log

Project No. 00266434.0000 Well ID MW-6 Page 1 of 1
 Project Name/Location Fort Edward Landfill Date 10/23/18
 Measuring Pt. Description Top of PVC Screen Setting (ft-bmp) 8.29 Casing Diameter (in.) 2 Weather Sunny @ 43°F
 Total Depth (ft-bmp) 17.89 Static Water Level (ft-bmp) 8.29 Water Column in Well (ft.) 9.60 Well Material: PVC ✓
 MP Elevation Pump Intake (ft-bmp) 15.89 Volumes Purged SS
 Sample Method GRAB Pump On/Off 1602/1652 Sample Time Label 1640
 Replicate/Code No. Sampled By J. Mullins Start 1638
 End 1652 Purge Method
 Centrifugal
 Submersible
 Disp. Bailer
 Other peristaltic

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (umhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
1605	0		8.31	0.0	6.47	0.827	295	3.36	15.72	-32	TAN	NONE
1610	5		8.32	0.25	6.22	0.875	243	1.81	14.60	-55	Clear	NONE
1615	10		8.32	0.50	6.22	0.875	202	1.70	14.65	-57	"	"
1620	15		8.33	0.75	6.20	0.867	175	1.44	14.54	-61	"	"
1625	20		8.33	1.00	6.20	0.860	165	1.40	14.57	-61	"	"
1630	25		8.33	1.25	6.20	0.854	155	1.36	14.54	-62	"	"
1635	30		8.33	1.50	6.19	0.852	150	1.35	14.52	-62	"	"

Constituents Sampled	Container	Number	Preservative
<u>TCBS</u>	<u>1L Amber</u>	<u>2</u>	<u> </u>
<u>TCU Vials</u>	<u>40 mL VOA VIAL</u>	<u>3</u>	<u>HCL</u>
<u>TAL Metals w/ Hg</u>	<u>250 mL Plastic</u>	<u>1</u>	<u>NITRIC</u>
<u>TSS/TDS</u>	<u>500 mL Plastic</u>	<u>1</u>	<u> </u>

Well Information

Well Location: See Map Well Locked at Arrival: No
 Condition of Well: GOOD Well Locked at Departure: Yes
 Well Completion: Flush Mount / Stick Up Key Number To Well: 0344

NOTES:

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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MW-6A

Page 8 of 8

Date 10-23-18

Fort Edward Landfill

Weather Sunny 45°F

Casing
Diameter (in.)

Well Material: PVC ☒ SS ☐

Water Column
in Well (ft.) 51.02

Gallons in Well 8.16

Volumes Purged _____

Gallons Purged 1.90

Label 1555
Sample Time Start 1600

Purge Method _____
Centrifugal _____

Sampled By NK

Submersible Bladder pump
Disp. Bailer _____
Other _____

Constituents Sampled	Container	Number	Preservative
PCBs	1L Amber	2	—
VOCs	400ml Vial	3	HCL
Trace metals w/Hg	250 ml plastic	1	nitric
TSS/TDS	500ml plastic	1	—

Well Location:	see map	Well Locked at Arrival:	NO
Condition of Well:	good	Well Locked at Departure:	Yes
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	0344

NOTES: CPM 2 setting used on bladder pump

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Groundwater Sampling Log

Project No. 00266434.0000 Well ID MW-6B Page 1 of 1
 Project Name/Location Fort Edward Landfill Date 10/23/18
 Measuring Pt. Description Top of PVC Screen Setting (ft-bmp) 15.51 Casing Diameter (in.) 2" Weather Sunny @ 43°F
 Total Depth (ft-bmp) 80.65 Static Water Level (ft-bmp) 15.51 Water Column in Well (ft.) 65.14 Well Material: PVC ✓
 MP Elevation 75.65 Pump Intake (ft-bmp) 75.65 Volumes Purged 10.42 SS ✓
 Sample Method GRAB Pump On/Off 1502/1600 Sample Time Label 1545
 Replicate/Code No. 1542 End 1600 Purge Method Bladder
 Sampled By J. Mullins Centrifugal Bladder
 Disp. Bailer Bladder
 Other Bladder

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
1505	0		15.61	0.0	8.03	0.205	33.7	8.89	16.10	28	Clear	None
1510	5		16.11	0.25	7.69	0.221	8.26	8.10	14.19	11	"	"
1515	10		16.34	0.50	7.23	0.223	6.62	5.95	13.98	8	"	"
1520	15		16.62	0.75	7.19	0.226	7.45	5.61	13.62	6	"	"
1525	20		16.71	1.00	7.23	0.226	7.40	5.34	13.60	4	"	"
1530	25		16.82	1.25	7.21	0.228	7.38	5.29	13.57	1	"	"
1535	30		16.89	1.50	7.20	0.228	7.30	5.27	13.53	-1	"	"
1540	35		17.01	1.75	7.20	0.227	7.25	5.25	13.51	-1	"	"

Constituents Sampled	Container	Number	Preservative
PCBs	1 L Amber	2	
TCF VOCs	40 mL VOA Vial	3	HCL
TAL Metals w/ Hg	50 mL Plastic	1	NITRIC
TSS/TSS	500 mL Plastic	1	

Well Information

Well Location: see map Well Locked at Arrival: NO

Condition of Well: GOOD Well Locked at Departure:

Well Completion: Flush Mount / Stick Up Key Number To Well:

NOTES: CPM2 setting used on bladder pump

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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[illegible]

Constituents Sampled	Container	Number	Preservative
PCBS	1L Amber	2	—
TCL VOCs	40 mL VOA VIAL	3	HCL
TAL Metals w/ Hg	250 mL Plastic	1	NITRIC
TSS/TDS	500 mL Plastic	1	—

Well Location:	See Map	Well Locked at Arrival:	NO
Condition of Well:	Fine; unable to lock well	Well Locked at Departure:	NO
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	N/A

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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built assets

Well ID

Page 1 of 1

Date 10-23-18

Weather cloudy, 45°F

Casing Diameter (in.) 7

Well Material: PVC ✓
SS

Water Column
in Well (ft.) 4.61

Gallons in Well 073

Volumes Purged

Gallons Purged	2.6

Label 1309
Sample Time Start 1312
End 1319

Purge Method Permeameter
Centrifugal _____
Submersible _____
Disp. Bailer _____
Other _____

Sampled By NK

Constituents Sampled	Container	Number	Preservative
PCBs	1L Amber	2	
VOCs	40mL Vial	3	HCL
toluene's w/ itg	250mL plastic	1	nitric
TSS/TDS	500mL plastic	1	

Well Location:	See map; out side fence	Well Locked at Arrival:	NO
Condition of Well:	good	Well Locked at Departure:	YES
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	0344

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Groundwater Sampling Log



Project No. 00266434.0000 Well ID MW-9
 Project Name/Location Fort Edward Landfill
 Measuring Pt. Description Top of PVC Screen Setting (ft-bmp) _____ Casing Diameter (in.) 2
 Total Depth (ft-bmp) 22.15 Static Water Level (ft-bmp) 6.40 Water Column in Well (ft.) 15.75
 MP Elevation _____ Pump Intake (ft-bmp) 20.15 Volumes Purged _____
 Sample Method Grab Pump On/Off 1302/1400 Sample Time Label 1348
 Replicate/Code No. _____ Sampled By NK Start 1350 End 1400

Page 1 of 1
 Date 10-24-18
 Weather 40°F, Cloudy
 Well Material: PVC ☒ SS _____
 Gallons in Well 2.52
 Gallons Purged 2.60
 Purge Method Peristaltic
 Centrifugal _____
 Submersible _____
 Disp. Bailer _____
 Other _____

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (umhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
1303	0		6.35	0.0	8.08	1.85	254	4.54	9.34	73	Clear	Slight
1308	5		8.30	0.45	7.62	2.86	60	2.89	9.78	43	"	"
1313	10		8.30	0.7	6.82	1.77	28.4	4.74	11.00	-25	"	"
1318	15		8.7	1.1	6.79	1.70	11.0	4.86	11.13	-21	"	"
1323	20		9.09	1.45	6.74	1.58	8.44	1.14	11.32	-14	"	"
1328	25		9.39	1.6	6.73	1.54	6.48	1.23	11.39	-11	"	"
1333	30		9.7	1.9	6.73	1.55	3.58	1.05	11.42	-11	"	"
1338	35		9.95	2.3	6.78	1.57	3.58	0.75	11.41	-13	"	"
1343	40		10.20	2.6	6.85	1.59	0.00	0.67	11.33	-14	"	"

Constituents Sampled	Container	Number	Preservative
<u>Pb, Cu, Fe</u>	<u>1 L Amber</u>	<u>2</u>	<u> </u>
<u>VOC's</u>	<u>40 mL vial</u>	<u>3</u>	<u>HCL</u>
<u>Tal - metals</u>	<u>250 mL plastic</u>	<u>1</u>	<u>nitric</u>
<u>SS / TD</u>	<u>500 mL plastic</u>		

Well Information
 Well Location: See map Well Locked at Arrival: No
 Condition of Well: Good Well Locked at Departure: No
 Well Completion: Flush Mount / Stick Up Key Number To Well: N/A

NOTES: slight rotten egg / gassy smell

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Design & Consultancy
for natural and
built assets

Well ID

Page 1 of 1

Date 10-24-18

Weather cloudy, 41°F

Well Material: PVC ☒ SS

Measuring Pt. Description	Screen Setting (ft-bmp)
top of PVC	

Casing Diameter (in.) 2

Total Depth (ft-bmp) 21.60

Static Water Level (ft-bmp) 21.09

Water Column
in Well (ft.) 0.51

Gallons in Well 0.31

MP Elevation

Pump Intake (ft-bmp) 21.60

Volumes Purged

Gallons Purged 0.150

Sample Method *GRAB*

Pump On/Off 1147/1230

Label 0800
Sample Time Start 0810
End 0915

Purge Method *Peristaltic*

Centrifugal

Submersible

Disp. Bailer

Other

Constituents Sampled	Container	Number	Preservative
PCBs	1L Amber	2	—
VOCs	40 mL vial	3	HCl
TAL-metals w/Hg	250 mL plastic	1	nitric
TSS/TDS	500 mL plastic	1	—

Well Location:	<u>geemar</u>	Well Locked at Arrival:	<u>N</u>
Condition of Well:	<u>Good</u>	Well Locked at Departure:	<u>N</u>
Well Completion:	Flush Mount / <u>Stick Up</u>	Key Number To Well:	

NOTES: @ 1230 stopped sampling; dry well
10-25-19 @ 0800 collected VOC, 4 d-metals + 1 PCB sample before well went dry
again

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

APPENDIX B

Analytical Data Packages



November 1, 2018

Jasmine Mullins
Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065

Project Location: Fort Edward, NY
Client Job Number:
Project Number: 00266434.0000
Laboratory Work Order Number: 18J1159

Enclosed are results of analyses for samples received by the laboratory on October 23, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Aaron L. Benoit', with a long horizontal line extending to the right.

Aaron L. Benoit
Project Manager

Table of Contents

Sample Summary	4
Case Narrative	6
Sample Results	9
18J1159-01	9
18J1159-02	15
18J1159-03	21
18J1159-04	27
18J1159-05	33
18J1159-06	39
18J1159-07	45
18J1159-08	51
18J1159-09	57
18J1159-10	63
18J1159-11	69
Sample Preparation Information	71
QC Data	73
Volatile Organic Compounds by GC/MS	73
B215948	73
B215949	76
Polychlorinated Biphenyls By GC/ECD	80
B215683	80
Metals Analyses (Total)	81
B215710	81
B215918	83
B216009	83

Table of Contents (continued)

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	85
B215773	85
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Dissolved)	86
B215847	86
Dual Column RPD Report	87
Flag/Qualifier Summary	94
Certifications	95
Chain of Custody/Sample Receipt	98

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

Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065
ATTN: Jasmine Mullins

REPORT DATE: 11/1/2018

PURCHASE ORDER NUMBER: 00266434.0000

PROJECT NUMBER: 00266434.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18J1159

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

PROJECT LOCATION: Fort Edward, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
EW-1	18J1159-01	Water		SM21-22 2540C	
				SM21-22 2540D	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8082A	
EW-2	18J1159-02	Water		SW-846 8260C	
				SM21-22 2540C	
				SM21-22 2540D	
				SW-846 6010D	
				SW-846 7470A	
EW-3	18J1159-03	Water		SW-846 8082A	
				SW-846 8260C	
				SM21-22 2540C	
				SM21-22 2540D	
				SW-846 6010D	
EW-4	18J1159-04	Water		SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SM21-22 2540C	
				SM21-22 2540D	
INFLUENT	18J1159-05	Water		SW-846 6010D	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SM21-22 2540C	
CCT	18J1159-06	Water		SM21-22 2540D	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	

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Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065
ATTN: Jasmine Mullins

REPORT DATE: 11/1/2018

PURCHASE ORDER NUMBER: 00266434.0000

PROJECT NUMBER: 00266434.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18J1159

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

PROJECT LOCATION: Fort Edward, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
CELL 3 BYPASS	18J1159-07	Water		SM21-22 2540C	
				SM21-22 2540D	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8082A	
CELL 2 EFFLUENT	18J1159-08	Water		SW-846 8260C	
				SM21-22 2540C	
				SM21-22 2540D	
				SW-846 6010D	
				SW-846 7470A	
CELL 1 EFFLUENT	18J1159-09	Water		SW-846 8082A	
				SW-846 8260C	
				SM21-22 2540C	
				SM21-22 2540D	
				SW-846 6010D	
PPE	18J1159-10	Water		SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SM21-22 2540C	
				SM21-22 2540D	
TRIP BLANK	18J1159-11	Trip Blank Water		SW-846 6010D	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	

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

SM21-22 2540C**Qualifications:**

R-02
Duplicate RPD is outside of control limits. Outlier can be attributed to sample non-homogeneity encountered during sample prep.

Analyte & Samples(s) Qualified:**Total Dissolved Solids**

18J1159-09[CELL 1 EFFLUENT], B215847-DUP1

SM21-22 2540D**Qualifications:**

R-02
Duplicate RPD is outside of control limits. Outlier can be attributed to sample non-homogeneity encountered during sample prep.

Analyte & Samples(s) Qualified:**Total Suspended Solids**

18J1159-09[CELL 1 EFFLUENT], B215773-DUP2

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:

Silver
18J1159-06[CCT], B215710-MS1

MS-19
Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Calcium
18J1159-06[CCT], B215710-MS1

Sodium
18J1159-06[CCT], B215710-MS1

SW-846 8082A**Qualifications:**

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
18J1159-01[EW-1]

Decachlorobiphenyl [2C]
18J1159-01[EW-1]

Tetrachloro-m-xylene
18J1159-01[EW-1]

Tetrachloro-m-xylene [2C]
18J1159-01[EW-1]

SW-846 8260C**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:

Methyl Acetate
B215948-BS1, B215948-BSD1, B215949-BS1, B215949-BSD1, S028872-CCV1, S028888-CCV1

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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:**Bromomethane**

18J1159-04[EW-4], 18J1159-05[INFLUENT], 18J1159-06[CCT], 18J1159-07[CELL 3 BYPASS], 18J1159-08[CELL 2 EFFLUENT], 18J1159-09[CELL 1 EFFLUENT], 18J1159-10[PPE], 18J1159-11[TRIP BLANK], B215949-BLK1, B215949-BS1, B215949-BSD1, S028888-CCV1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

18J1159-01[EW-1]

V-05

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

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

S028888-CCV1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**1,4-Dioxane**

B215949-BS1, B215949-BSD1, S028888-CCV1

Bromomethane

B215948-BS1, B215948-BSD1, S028872-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**

B215948-BS1, B215948-BSD1, B215949-BS1, B215949-BSD1, S028872-CCV1, S028888-CCV1

V-36

Initial calibration verification (ICV) 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:**Carbon Disulfide**

B215948-BS1, B215948-BSD1, B215949-BS1, B215949-BSD1, S028872-CCV1, S028888-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.



Lisa A. Worthington
Project Manager

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: EW-1

Sampled: 10/22/2018 10:10

Sample ID: 18J1159-01

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	500	97	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
Benzene	3.1	10	1.2	µg/L	10	J	SW-846 8260C	10/30/18	10/30/18 23:16	LBD
Bromochloromethane	ND	10	2.2	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
Bromodichloromethane	ND	5.0	3.0	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
Bromoform	ND	10	2.1	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
Bromomethane	ND	20	9.4	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
2-Butanone (MEK)	100	200	24	µg/L	10	J	SW-846 8260C	10/30/18	10/30/18 23:16	LBD
Carbon Disulfide	ND	40	10	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
Carbon Tetrachloride	ND	50	2.5	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
Chlorobenzene	2.1	10	1.6	µg/L	10	J	SW-846 8260C	10/30/18	10/30/18 23:16	LBD
Chlorodibromomethane	ND	5.0	1.0	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
Chloroethane	ND	20	2.8	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
Cyclohexane	9.9	50	2.5	µg/L	10	J	SW-846 8260C	10/30/18	10/30/18 23:16	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	3.7	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
1,2-Dibromoethane (EDB)	ND	5.0	1.5	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
1,2-Dichlorobenzene	ND	10	1.7	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
1,3-Dichlorobenzene	ND	10	1.7	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
1,4-Dichlorobenzene	ND	10	1.5	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
Dichlorodifluoromethane (Freon 12)	ND	20	2.8	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
1,1-Dichloroethane	ND	10	1.6	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
1,2-Dichloroethane	ND	10	1.9	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
1,1-Dichloroethylene	4.7	10	2.1	µg/L	10	J	SW-846 8260C	10/30/18	10/30/18 23:16	LBD
cis-1,2-Dichloroethylene	970	10	1.5	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
trans-1,2-Dichloroethylene	7.2	10	1.5	µg/L	10	J	SW-846 8260C	10/30/18	10/30/18 23:16	LBD
1,2-Dichloropropane	ND	10	1.3	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
cis-1,3-Dichloropropene	ND	5.0	1.2	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
trans-1,3-Dichloropropene	ND	5.0	1.1	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
1,4-Dioxane	ND	1000	260	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
Ethylbenzene	2.5	10	1.3	µg/L	10	J	SW-846 8260C	10/30/18	10/30/18 23:16	LBD
2-Hexanone (MBK)	ND	100	15	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
Isopropylbenzene (Cumene)	ND	10	1.2	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
Methyl Acetate	ND	10	4.2	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
Methyl tert-Butyl Ether (MTBE)	ND	10	0.90	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
Methyl Cyclohexane	ND	10	6.3	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
Methylene Chloride	ND	50	32	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
4-Methyl-2-pentanone (MIBK)	ND	100	15	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
Styrene	ND	10	1.5	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
1,1,1,2-Tetrachloroethane	ND	10	1.2	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
Tetrachloroethylene	ND	10	2.7	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
Toluene	2.8	10	1.7	µg/L	10	J	SW-846 8260C	10/30/18	10/30/18 23:16	LBD
1,2,3-Trichlorobenzene	ND	50	1.4	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
1,2,4-Trichlorobenzene	ND	20	1.9	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
1,1,1-Trichloroethane	ND	10	1.3	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
1,1,2-Trichloroethane	ND	10	2.4	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: EW-1

Sampled: 10/22/2018 10:10

Sample ID: 18J1159-01

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	10	2.0	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
Trichlorofluoromethane (Freon 11)	ND	20	1.5	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10	2.0	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
Vinyl Chloride	1400	20	1.3	µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD
m+p Xylene	9.8	20	2.6	µg/L	10	J	SW-846 8260C	10/30/18	10/30/18 23:16	LBD
o-Xylene	1.6	10	1.3	µg/L	10	J	SW-846 8260C	10/30/18	10/30/18 23:16	LBD
Xylenes (total)	ND	30		µg/L	10		SW-846 8260C	10/30/18	10/30/18 23:16	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	102	70-130	
Toluene-d8	99.7	70-130	
4-Bromofluorobenzene	99.4	70-130	

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: EW-1

Sampled: 10/22/2018 10:10

Sample ID: 18J1159-01

Sample Matrix: Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	4400	500	µg/L	2500		SW-846 8082A	10/25/18	10/30/18 18:47	KAL
Aroclor-1221 [1]	ND	500	µg/L	2500		SW-846 8082A	10/25/18	10/30/18 18:47	KAL
Aroclor-1232 [1]	ND	500	µg/L	2500		SW-846 8082A	10/25/18	10/30/18 18:47	KAL
Aroclor-1242 [1]	ND	500	µg/L	2500		SW-846 8082A	10/25/18	10/30/18 18:47	KAL
Aroclor-1248 [1]	ND	500	µg/L	2500		SW-846 8082A	10/25/18	10/30/18 18:47	KAL
Aroclor-1254 [1]	ND	500	µg/L	2500		SW-846 8082A	10/25/18	10/30/18 18:47	KAL
Aroclor-1260 [1]	ND	500	µg/L	2500		SW-846 8082A	10/25/18	10/30/18 18:47	KAL
Aroclor-1262 [1]	ND	500	µg/L	2500		SW-846 8082A	10/25/18	10/30/18 18:47	KAL
Aroclor-1268 [1]	ND	500	µg/L	2500		SW-846 8082A	10/25/18	10/30/18 18:47	KAL
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	*	30-150			S-01			10/30/18 18:47	
Decachlorobiphenyl [2]	*	30-150			S-01			10/30/18 18:47	
Tetrachloro-m-xylene [1]	*	30-150			S-01			10/30/18 18:47	
Tetrachloro-m-xylene [2]	*	30-150			S-01			10/30/18 18:47	

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: EW-1

Sampled: 10/22/2018 10:10

Sample ID: 18J1159-01

Sample Matrix: Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.10	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:51	QNW
Antimony	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:51	QNW
Arsenic	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:51	QNW
Barium	0.47	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:51	QNW
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:51	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:51	QNW
Calcium	150	0.15	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:51	QNW
Chromium	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:51	QNW
Cobalt	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:51	QNW
Copper	0.017	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:51	QNW
Iron	53	0.050	mg/L	1		SW-846 6010D	10/29/18	10/30/18 15:15	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:51	QNW
Magnesium	43	0.15	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:51	QNW
Manganese	1.8	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:51	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	10/30/18	10/31/18 14:46	EJB
Nickel	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:51	QNW
Potassium	11	2.0	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:51	QNW
Selenium	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:51	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:51	QNW
Sodium	92	2.0	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:51	QNW
Thallium	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:51	QNW
Vanadium	0.012	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:51	QNW
Zinc	ND	0.020	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:51	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: EW-1

Sampled: 10/22/2018 10:10

Sample ID: 18J1159-01

Sample Matrix: Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	110	1.7	mg/L	1		SM21-22 2540D	10/26/18	10/26/18 16:40	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: EW-1

Sampled: 10/22/2018 10:10

Sample ID: 18J1159-01

Sample Matrix: Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	750	10	mg/L	1		SM21-22 2540C	10/29/18	10/29/18 8:30	LL

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Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: EW-2

Sampled: 10/22/2018 09:50

Sample ID: 18J1159-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
Benzene	5.7	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
Chlorobenzene	1.2	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
1,4-Dichlorobenzene	0.32	1.0	0.15	µg/L	1	J	SW-846 8260C	10/30/18	10/30/18 21:13	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
1,1-Dichloroethane	1.1	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
cis-1,2-Dichloroethylene	0.78	1.0	0.15	µg/L	1	J	SW-846 8260C	10/30/18	10/30/18 21:13	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
1,4-Dioxane	53	100	26	µg/L	1	J	SW-846 8260C	10/30/18	10/30/18 21:13	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
Isopropylbenzene (Cumene)	0.35	1.0	0.12	µg/L	1	J	SW-846 8260C	10/30/18	10/30/18 21:13	LBD
Methyl Acetate	ND	1.0	0.42	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
Methyl tert-Butyl Ether (MTBE)	0.91	1.0	0.090	µg/L	1	J	SW-846 8260C	10/30/18	10/30/18 21:13	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: EW-2

Sampled: 10/22/2018 09:50

Sample ID: 18J1159-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
Vinyl Chloride	0.43	2.0	0.13	µg/L	1	J	SW-846 8260C	10/30/18	10/30/18 21:13	LBD
m+p Xylene	1.6	2.0	0.26	µg/L	1	J	SW-846 8260C	10/30/18	10/30/18 21:13	LBD
o-Xylene	0.20	1.0	0.13	µg/L	1	J	SW-846 8260C	10/30/18	10/30/18 21:13	LBD
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:13	LBD
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	99.7		70-130				10/30/18 21:13			
Toluene-d8	100		70-130				10/30/18 21:13			
4-Bromofluorobenzene	101		70-130				10/30/18 21:13			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: EW-2

Sampled: 10/22/2018 09:50

Sample ID: 18J1159-02

Sample Matrix: Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 15:44	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 15:44	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 15:44	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 15:44	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 15:44	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 15:44	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 15:44	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 15:44	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 15:44	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	60.0	30-150						10/30/18 15:44	
Decachlorobiphenyl [2]	62.5	30-150						10/30/18 15:44	
Tetrachloro-m-xylene [1]	65.0	30-150						10/30/18 15:44	
Tetrachloro-m-xylene [2]	71.0	30-150						10/30/18 15:44	

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: EW-2

Sampled: 10/22/2018 09:50

Sample ID: 18J1159-02

Sample Matrix: Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:56	QNW
Antimony	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:56	QNW
Arsenic	0.045	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:56	QNW
Barium	0.17	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:56	QNW
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:56	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:56	QNW
Calcium	120	0.15	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:56	QNW
Chromium	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:56	QNW
Cobalt	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:56	QNW
Copper	0.029	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:56	QNW
Iron	34	0.050	mg/L	1		SW-846 6010D	10/29/18	10/30/18 15:20	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:56	QNW
Magnesium	42	0.15	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:56	QNW
Manganese	0.98	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:56	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	10/30/18	10/31/18 14:48	EJB
Nickel	0.010	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:56	QNW
Potassium	2.6	2.0	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:56	QNW
Selenium	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:56	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:56	QNW
Sodium	110	2.0	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:56	QNW
Thallium	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:56	QNW
Vanadium	0.011	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:56	QNW
Zinc	ND	0.020	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:56	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: EW-2

Sampled: 10/22/2018 09:50

Sample ID: 18J1159-02

Sample Matrix: Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	140	1.7	mg/L	1		SM21-22 2540D	10/26/18	10/26/18 16:40	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: EW-2

Sampled: 10/22/2018 09:50

Sample ID: 18J1159-02

Sample Matrix: Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	740	10	mg/L	1		SM21-22 2540C	10/29/18	10/29/18 8:30	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: EW-3

Sampled: 10/22/2018 09:35

Sample ID: 18J1159-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	23	50	9.7	µg/L	1	J	SW-846 8260C	10/30/18	10/30/18 21:44	LBD
Benzene	3.0	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
Chlorobenzene	17	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
Chloroethane	0.64	2.0	0.28	µg/L	1	J	SW-846 8260C	10/30/18	10/30/18 21:44	LBD
Cyclohexane	1.0	5.0	0.25	µg/L	1	J	SW-846 8260C	10/30/18	10/30/18 21:44	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
1,2-Dichlorobenzene	0.45	1.0	0.17	µg/L	1	J	SW-846 8260C	10/30/18	10/30/18 21:44	LBD
1,3-Dichlorobenzene	0.34	1.0	0.17	µg/L	1	J	SW-846 8260C	10/30/18	10/30/18 21:44	LBD
1,4-Dichlorobenzene	5.3	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
1,4-Dioxane	59	100	26	µg/L	1	J	SW-846 8260C	10/30/18	10/30/18 21:44	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
Isopropylbenzene (Cumene)	0.74	1.0	0.12	µg/L	1	J	SW-846 8260C	10/30/18	10/30/18 21:44	LBD
Methyl Acetate	ND	1.0	0.42	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
Methyl tert-Butyl Ether (MTBE)	0.49	1.0	0.090	µg/L	1	J	SW-846 8260C	10/30/18	10/30/18 21:44	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
Toluene	0.19	1.0	0.17	µg/L	1	J	SW-846 8260C	10/30/18	10/30/18 21:44	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: EW-3

Sampled: 10/22/2018 09:35

Sample ID: 18J1159-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
o-Xylene	0.20	1.0	0.13	µg/L	1	J	SW-846 8260C	10/30/18	10/30/18 21:44	LBD
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	10/30/18	10/30/18 21:44	LBD
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	103		70-130				10/30/18 21:44			
Toluene-d8	99.8		70-130				10/30/18 21:44			
4-Bromofluorobenzene	104		70-130				10/30/18 21:44			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: EW-3

Sampled: 10/22/2018 09:35

Sample ID: 18J1159-03

Sample Matrix: Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:02	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:02	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:02	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:02	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:02	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:02	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:02	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:02	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:02	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	70.7	30-150						10/30/18 16:02	
Decachlorobiphenyl [2]	77.5	30-150						10/30/18 16:02	
Tetrachloro-m-xylene [1]	68.8	30-150						10/30/18 16:02	
Tetrachloro-m-xylene [2]	75.4	30-150						10/30/18 16:02	

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: EW-3

Sampled: 10/22/2018 09:35

Sample ID: 18J1159-03

Sample Matrix: Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.062	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:01	QNW
Antimony	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:01	QNW
Arsenic	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:01	QNW
Barium	0.23	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:01	QNW
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:01	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:01	QNW
Calcium	82	0.15	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:01	QNW
Chromium	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:01	QNW
Cobalt	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:01	QNW
Copper	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:01	QNW
Iron	38	0.050	mg/L	1		SW-846 6010D	10/29/18	10/30/18 15:35	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:01	QNW
Magnesium	37	0.15	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:01	QNW
Manganese	0.33	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:01	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	10/30/18	10/31/18 14:50	EJB
Nickel	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:01	QNW
Potassium	37	2.0	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:01	QNW
Selenium	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:01	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:01	QNW
Sodium	75	2.0	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:01	QNW
Thallium	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:01	QNW
Vanadium	0.013	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:01	QNW
Zinc	ND	0.020	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:01	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Sampled: 10/22/2018 09:35

Field Sample #: EW-3

Sample ID: 18J1159-03

Sample Matrix: Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	80	1.7	mg/L	1		SM21-22 2540D	10/26/18	10/26/18 16:40	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: EW-3

Sampled: 10/22/2018 09:35

Sample ID: 18J1159-03

Sample Matrix: Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	540	10	mg/L	1		SM21-22 2540C	10/29/18	10/29/18 8:30	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: EW-4

Sampled: 10/22/2018 10:20

Sample ID: 18J1159-04

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
Bromomethane	ND	2.0	0.94	µg/L	1	R-05	SW-846 8260C	10/30/18	10/31/18 11:08	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
Methyl Acetate	ND	1.0	0.42	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: EW-4

Sampled: 10/22/2018 10:20

Sample ID: 18J1159-04

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:08	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	100	70-130	
Toluene-d8	99.1	70-130	
4-Bromofluorobenzene	103	70-130	

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: EW-4

Sampled: 10/22/2018 10:20

Sample ID: 18J1159-04

Sample Matrix: Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	0.28	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:21	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:21	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:21	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:21	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:21	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:21	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:21	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:21	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:21	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	78.3	30-150							
Decachlorobiphenyl [2]	88.3	30-150							
Tetrachloro-m-xylene [1]	78.6	30-150							
Tetrachloro-m-xylene [2]	85.3	30-150							

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: EW-4

Sampled: 10/22/2018 10:20

Sample ID: 18J1159-04

Sample Matrix: Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.11	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:09	QNW
Antimony	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:09	QNW
Arsenic	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:09	QNW
Barium	0.051	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:09	QNW
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:09	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:09	QNW
Calcium	86	0.15	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:09	QNW
Chromium	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:09	QNW
Cobalt	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:09	QNW
Copper	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:09	QNW
Iron	24	0.050	mg/L	1		SW-846 6010D	10/29/18	10/30/18 15:40	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:09	QNW
Magnesium	20	0.15	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:09	QNW
Manganese	1.6	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:09	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	10/30/18	10/31/18 14:51	EJB
Nickel	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:09	QNW
Potassium	2.5	2.0	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:09	QNW
Selenium	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:09	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:09	QNW
Sodium	48	2.0	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:09	QNW
Thallium	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:09	QNW
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:09	QNW
Zinc	ND	0.020	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:09	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Sampled: 10/22/2018 10:20

Field Sample #: EW-4

Sample ID: 18J1159-04

Sample Matrix: Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	26	1.2	mg/L	1		SM21-22 2540D	10/26/18	10/26/18 16:40	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: EW-4

Sampled: 10/22/2018 10:20

Sample ID: 18J1159-04

Sample Matrix: Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	380	10	mg/L	1		SM21-22 2540C	10/29/18	10/29/18 8:30	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: INFLUENT

Sampled: 10/22/2018 08:55

Sample ID: 18J1159-05

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
Bromomethane	ND	2.0	0.94	µg/L	1	R-05	SW-846 8260C	10/30/18	10/31/18 11:38	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
Methyl Acetate	ND	1.0	0.42	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: INFLUENT

Sampled: 10/22/2018 08:55

Sample ID: 18J1159-05

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	10/30/18	10/31/18 11:38	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	100	70-130	
Toluene-d8	99.1	70-130	
4-Bromofluorobenzene	100	70-130	

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: INFLUENT

Sampled: 10/22/2018 08:55

Sample ID: 18J1159-05

Sample Matrix: Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	1.5	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:39	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:39	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:39	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:39	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:39	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:39	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:39	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:39	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:39	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	89.6	30-150						10/30/18 16:39	
Decachlorobiphenyl [2]	101	30-150						10/30/18 16:39	
Tetrachloro-m-xylene [1]	84.9	30-150						10/30/18 16:39	
Tetrachloro-m-xylene [2]	92.1	30-150						10/30/18 16:39	

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: INFLUENT

Sampled: 10/22/2018 08:55

Sample ID: 18J1159-05

Sample Matrix: Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:14	QNW
Antimony	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:14	QNW
Arsenic	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:14	QNW
Barium	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:14	QNW
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:14	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:14	QNW
Calcium	84	0.15	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:14	QNW
Chromium	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:14	QNW
Cobalt	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:14	QNW
Copper	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:14	QNW
Iron	4.1	0.050	mg/L	1		SW-846 6010D	10/29/18	10/30/18 15:10	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:14	QNW
Magnesium	19	0.15	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:14	QNW
Manganese	1.5	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:14	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	10/30/18	10/31/18 14:57	EJB
Nickel	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:14	QNW
Potassium	2.4	2.0	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:14	QNW
Selenium	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:14	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:14	QNW
Sodium	49	2.0	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:14	QNW
Thallium	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:14	QNW
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:14	QNW
Zinc	ND	0.020	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:14	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: INFLUENT

Sampled: 10/22/2018 08:55

Sample ID: 18J1159-05

Sample Matrix: Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	9.0	1.2	mg/L	1		SM21-22 2540D	10/26/18	10/26/18 16:40	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: INFLUENT

Sampled: 10/22/2018 08:55

Sample ID: 18J1159-05

Sample Matrix: Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	370	10	mg/L	1		SM21-22 2540C	10/29/18	10/29/18 8:30	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: CCT

Sampled: 10/22/2018 09:10

Sample ID: 18J1159-06

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
Benzene	0.17	1.0	0.12	µg/L	1	J	SW-846 8260C	10/30/18	10/31/18 12:09	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
Bromomethane	ND	2.0	0.94	µg/L	1	R-05	SW-846 8260C	10/30/18	10/31/18 12:09	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
Methyl Acetate	ND	1.0	0.42	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: CCT

Sampled: 10/22/2018 09:10

Sample ID: 18J1159-06

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:09	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	102	70-130	
Toluene-d8	99.6	70-130	
4-Bromofluorobenzene	100	70-130	

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: CCT

Sampled: 10/22/2018 09:10

Sample ID: 18J1159-06

Sample Matrix: Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	0.54	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:57	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:57	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:57	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:57	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:57	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:57	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:57	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:57	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 16:57	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.5	30-150						10/30/18 16:57	
Decachlorobiphenyl [2]	96.1	30-150						10/30/18 16:57	
Tetrachloro-m-xylene [1]	76.5	30-150						10/30/18 16:57	
Tetrachloro-m-xylene [2]	83.6	30-150						10/30/18 16:57	

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: CCT

Sampled: 10/22/2018 09:10

Sample ID: 18J1159-06

Sample Matrix: Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.48	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:46	QNW
Antimony	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:46	QNW
Arsenic	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:46	QNW
Barium	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:46	QNW
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:46	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:46	QNW
Calcium	84	0.15	mg/L	1	MS-19	SW-846 6010D	10/25/18	10/26/18 14:46	QNW
Chromium	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:46	QNW
Cobalt	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:46	QNW
Copper	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:46	QNW
Iron	3.2	0.050	mg/L	1		SW-846 6010D	10/29/18	10/30/18 15:45	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:46	QNW
Magnesium	19	0.15	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:46	QNW
Manganese	1.6	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:46	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	10/30/18	10/31/18 14:59	EJB
Nickel	0.031	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:46	QNW
Potassium	2.4	2.0	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:46	QNW
Selenium	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:46	QNW
Silver	ND	0.0050	mg/L	1	MS-07	SW-846 6010D	10/25/18	10/26/18 14:46	QNW
Sodium	50	2.0	mg/L	1	MS-19	SW-846 6010D	10/25/18	10/26/18 14:46	QNW
Thallium	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:46	QNW
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:46	QNW
Zinc	0.035	0.020	mg/L	1		SW-846 6010D	10/25/18	10/26/18 14:46	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Sampled: 10/22/2018 09:10

Field Sample #: CCT

Sample ID: 18J1159-06

Sample Matrix: Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	8.3	1.2	mg/L	1		SM21-22 2540D	10/26/18	10/26/18 16:40	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: CCT

Sampled: 10/22/2018 09:10

Sample ID: 18J1159-06

Sample Matrix: Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	490	10	mg/L	1		SM21-22 2540C	10/29/18	10/29/18 8:30	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: CELL 3 BYPASS

Sampled: 10/22/2018 11:00

Sample ID: 18J1159-07

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
Bromomethane	ND	2.0	0.94	µg/L	1	R-05	SW-846 8260C	10/30/18	10/31/18 12:40	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
cis-1,2-Dichloroethylene	0.15	1.0	0.15	µg/L	1	J	SW-846 8260C	10/30/18	10/31/18 12:40	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
Methyl Acetate	ND	1.0	0.42	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: CELL 3 BYPASS

Sampled: 10/22/2018 11:00

Sample ID: 18J1159-07

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	10/30/18	10/31/18 12:40	LBD
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	101		70-130				10/31/18 12:40			
Toluene-d8	99.8		70-130				10/31/18 12:40			
4-Bromofluorobenzene	101		70-130				10/31/18 12:40			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: CELL 3 BYPASS

Sampled: 10/22/2018 11:00

Sample ID: 18J1159-07

Sample Matrix: Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	0.36	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:15	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:15	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:15	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:15	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:15	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:15	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:15	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:15	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:15	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	86.7	30-150							
Decachlorobiphenyl [2]	95.7	30-150							
Tetrachloro-m-xylene [1]	85.2	30-150							
Tetrachloro-m-xylene [2]	92.7	30-150							

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: CELL 3 BYPASS

Sampled: 10/22/2018 11:00

Sample ID: 18J1159-07

Sample Matrix: Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:30	QNW
Antimony	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:30	QNW
Arsenic	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:30	QNW
Barium	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:30	QNW
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:30	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:30	QNW
Calcium	110	0.15	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:30	QNW
Chromium	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:30	QNW
Cobalt	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:30	QNW
Copper	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:30	QNW
Iron	4.2	0.050	mg/L	1		SW-846 6010D	10/29/18	10/30/18 15:50	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:30	QNW
Magnesium	21	0.15	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:30	QNW
Manganese	1.5	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:30	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	10/30/18	10/31/18 15:00	EJB
Nickel	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:30	QNW
Potassium	2.0	2.0	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:30	QNW
Selenium	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:30	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:30	QNW
Sodium	55	2.0	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:30	QNW
Thallium	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:30	QNW
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:30	QNW
Zinc	ND	0.020	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:30	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: CELL 3 BYPASS

Sampled: 10/22/2018 11:00

Sample ID: 18J1159-07

Sample Matrix: Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	11	2.5	mg/L	1		SM21-22 2540D	10/26/18	10/26/18 16:40	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: CELL 3 BYPASS

Sampled: 10/22/2018 11:00

Sample ID: 18J1159-07

Sample Matrix: Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	480	10	mg/L	1		SM21-22 2540C	10/29/18	10/29/18 8:30	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: CELL 2 EFFLUENT

Sampled: 10/22/2018 11:30

Sample ID: 18J1159-08

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
Bromomethane	ND	2.0	0.94	µg/L	1	R-05	SW-846 8260C	10/30/18	10/31/18 13:11	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
Methyl Acetate	ND	1.0	0.42	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: CELL 2 EFFLUENT

Sampled: 10/22/2018 11:30

Sample ID: 18J1159-08

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:11	LBD
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	100		70-130				10/31/18 13:11			
Toluene-d8	101		70-130				10/31/18 13:11			
4-Bromofluorobenzene	103		70-130				10/31/18 13:11			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: CELL 2 EFFLUENT

Sampled: 10/22/2018 11:30

Sample ID: 18J1159-08

Sample Matrix: Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:33	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:33	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:33	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:33	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:33	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:33	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:33	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:33	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:33	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	75.0	30-150							
Decachlorobiphenyl [2]	83.1	30-150							
Tetrachloro-m-xylene [1]	85.0	30-150							
Tetrachloro-m-xylene [2]	91.9	30-150							

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: CELL 2 EFFLUENT

Sampled: 10/22/2018 11:30

Sample ID: 18J1159-08

Sample Matrix: Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:35	QNW
Antimony	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:35	QNW
Arsenic	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:35	QNW
Barium	0.059	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:35	QNW
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:35	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:35	QNW
Calcium	110	0.15	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:35	QNW
Chromium	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:35	QNW
Cobalt	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:35	QNW
Copper	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:35	QNW
Iron	5.8	0.050	mg/L	1		SW-846 6010D	10/29/18	10/30/18 15:55	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:35	QNW
Magnesium	19	0.15	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:35	QNW
Manganese	1.1	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:35	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	10/30/18	10/31/18 14:45	EJB
Nickel	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:35	QNW
Potassium	3.2	2.0	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:35	QNW
Selenium	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:35	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:35	QNW
Sodium	51	2.0	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:35	QNW
Thallium	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:35	QNW
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:35	QNW
Zinc	ND	0.020	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:35	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: CELL 2 EFFLUENT

Sampled: 10/22/2018 11:30

Sample ID: 18J1159-08

Sample Matrix: Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	6.5	1.2	mg/L	1		SM21-22 2540D	10/26/18	10/26/18 16:40	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: CELL 2 EFFLUENT

Sampled: 10/22/2018 11:30

Sample ID: 18J1159-08

Sample Matrix: Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	430	10	mg/L	1		SM21-22 2540C	10/29/18	10/29/18 8:30	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: CELL 1 EFFLUENT

Sampled: 10/22/2018 12:40

Sample ID: 18J1159-09

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
Bromomethane	ND	2.0	0.94	µg/L	1	R-05	SW-846 8260C	10/30/18	10/31/18 13:42	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
Methyl Acetate	ND	1.0	0.42	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: CELL 1 EFFLUENT

Sampled: 10/22/2018 12:40

Sample ID: 18J1159-09

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	10/30/18	10/31/18 13:42	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	101	70-130	
Toluene-d8	99.5	70-130	
4-Bromofluorobenzene	102	70-130	

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: CELL 1 EFFLUENT

Sampled: 10/22/2018 12:40

Sample ID: 18J1159-09

Sample Matrix: Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:52	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:52	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:52	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:52	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:52	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:52	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:52	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:52	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 17:52	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	70.8	30-150							
Decachlorobiphenyl [2]	79.0	30-150							
Tetrachloro-m-xylene [1]	77.6	30-150							
Tetrachloro-m-xylene [2]	85.2	30-150							

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: CELL 1 EFFLUENT

Sampled: 10/22/2018 12:40

Sample ID: 18J1159-09

Sample Matrix: Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.073	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:40	QNW
Antimony	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:40	QNW
Arsenic	0.012	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:40	QNW
Barium	0.092	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:40	QNW
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:40	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:40	QNW
Calcium	150	0.15	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:40	QNW
Chromium	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:40	QNW
Cobalt	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:40	QNW
Copper	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:40	QNW
Iron	8.5	0.050	mg/L	1		SW-846 6010D	10/29/18	10/30/18 16:00	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:40	QNW
Magnesium	21	0.15	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:40	QNW
Manganese	0.66	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:40	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	10/30/18	10/31/18 15:02	EJB
Nickel	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:40	QNW
Potassium	ND	2.0	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:40	QNW
Selenium	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:40	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:40	QNW
Sodium	53	2.0	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:40	QNW
Thallium	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:40	QNW
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:40	QNW
Zinc	ND	0.020	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:40	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: CELL 1 EFFLUENT

Sampled: 10/22/2018 12:40

Sample ID: 18J1159-09

Sample Matrix: Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	26	2.8	mg/L	1	R-02	SM21-22 2540D	10/26/18	10/26/18 16:40	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: CELL 1 EFFLUENT

Sampled: 10/22/2018 12:40

Sample ID: 18J1159-09

Sample Matrix: Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	560	10	mg/L	1	R-02	SM21-22 2540C	10/29/18	10/29/18 8:30	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: PPE

Sampled: 10/22/2018 14:10

Sample ID: 18J1159-10

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
Bromomethane	ND	2.0	0.94	µg/L	1	R-05	SW-846 8260C	10/30/18	10/31/18 14:12	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
Methyl Acetate	ND	1.0	0.42	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: PPE

Sampled: 10/22/2018 14:10

Sample ID: 18J1159-10

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:12	LBD
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	102		70-130				10/31/18 14:12			
Toluene-d8	99.1		70-130				10/31/18 14:12			
4-Bromofluorobenzene	102		70-130				10/31/18 14:12			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: PPE

Sampled: 10/22/2018 14:10

Sample ID: 18J1159-10

Sample Matrix: Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 18:10	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 18:10	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 18:10	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 18:10	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 18:10	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 18:10	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 18:10	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 18:10	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/30/18 18:10	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	86.5	30-150							
Decachlorobiphenyl [2]	94.9	30-150							
Tetrachloro-m-xylene [1]	77.0	30-150							
Tetrachloro-m-xylene [2]	84.3	30-150							

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: PPE

Sampled: 10/22/2018 14:10

Sample ID: 18J1159-10

Sample Matrix: Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:45	QNW
Antimony	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:45	QNW
Arsenic	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:45	QNW
Barium	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:45	QNW
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:45	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:45	QNW
Calcium	96	0.15	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:45	QNW
Chromium	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:45	QNW
Cobalt	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:45	QNW
Copper	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:45	QNW
Iron	0.74	0.050	mg/L	1		SW-846 6010D	10/29/18	10/30/18 16:05	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:45	QNW
Magnesium	21	0.15	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:45	QNW
Manganese	0.32	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:45	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	10/30/18	10/31/18 15:03	EJB
Nickel	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:45	QNW
Potassium	4.7	2.0	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:45	QNW
Selenium	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:45	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:45	QNW
Sodium	46	2.0	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:45	QNW
Thallium	ND	0.050	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:45	QNW
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:45	QNW
Zinc	ND	0.020	mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:45	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: PPE

Sampled: 10/22/2018 14:10

Sample ID: 18J1159-10

Sample Matrix: Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	5.0	1.2	mg/L	1		SM21-22 2540D	10/26/18	10/26/18 16:40	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: PPE

Sampled: 10/22/2018 14:10

Sample ID: 18J1159-10

Sample Matrix: Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	410	10	mg/L	1		SM21-22 2540C	10/29/18	10/29/18 8:30	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: TRIP BLANK

Sampled: 10/22/2018 00:00

Sample ID: 18J1159-11

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
Bromomethane	ND	2.0	0.94	µg/L	1	R-05	SW-846 8260C	10/30/18	10/31/18 9:35	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
Methyl Acetate	ND	1.0	0.42	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1159

Date Received: 10/23/2018

Field Sample #: TRIP BLANK

Sampled: 10/22/2018 00:00

Sample ID: 18J1159-11

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	10/30/18	10/31/18 9:35	LBD
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	104		70-130				10/31/18 9:35			
Toluene-d8	101		70-130				10/31/18 9:35			
4-Bromofluorobenzene	99.6		70-130				10/31/18 9:35			

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

Sample Extraction Data

SM21-22 2540C

Lab Number [Field ID]	Batch	Initial [mL]	Date
18J1159-01 [EW-1]	B215847	50.0	10/29/18
18J1159-02 [EW-2]	B215847	50.0	10/29/18
18J1159-03 [EW-3]	B215847	50.0	10/29/18
18J1159-04 [EW-4]	B215847	50.0	10/29/18
18J1159-05 [INFLUENT]	B215847	50.0	10/29/18
18J1159-06 [CCT]	B215847	50.0	10/29/18
18J1159-07 [CELL 3 BYPASS]	B215847	50.0	10/29/18
18J1159-08 [CELL 2 EFFLUENT]	B215847	50.0	10/29/18
18J1159-09 [CELL 1 EFFLUENT]	B215847	50.0	10/29/18
18J1159-10 [PPE]	B215847	50.0	10/29/18

SM21-22 2540D

Lab Number [Field ID]	Batch	Initial [mL]	Date
18J1159-01 [EW-1]	B215773	300	10/26/18
18J1159-02 [EW-2]	B215773	300	10/26/18
18J1159-03 [EW-3]	B215773	300	10/26/18
18J1159-04 [EW-4]	B215773	400	10/26/18
18J1159-05 [INFLUENT]	B215773	400	10/26/18
18J1159-06 [CCT]	B215773	400	10/26/18
18J1159-07 [CELL 3 BYPASS]	B215773	200	10/26/18
18J1159-08 [CELL 2 EFFLUENT]	B215773	400	10/26/18
18J1159-09 [CELL 1 EFFLUENT]	B215773	180	10/26/18
18J1159-10 [PPE]	B215773	400	10/26/18

Prep Method: SW-846 3005A-SW-846 6010D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1159-01 [EW-1]	B215710	50.0	50.0	10/25/18
18J1159-02 [EW-2]	B215710	50.0	50.0	10/25/18
18J1159-03 [EW-3]	B215710	50.0	50.0	10/25/18
18J1159-04 [EW-4]	B215710	50.0	50.0	10/25/18
18J1159-05 [INFLUENT]	B215710	50.0	50.0	10/25/18
18J1159-06 [CCT]	B215710	50.0	50.0	10/25/18
18J1159-07 [CELL 3 BYPASS]	B215710	50.0	50.0	10/25/18
18J1159-08 [CELL 2 EFFLUENT]	B215710	50.0	50.0	10/25/18
18J1159-09 [CELL 1 EFFLUENT]	B215710	50.0	50.0	10/25/18
18J1159-10 [PPE]	B215710	50.0	50.0	10/25/18

Prep Method: SW-846 3005A-SW-846 6010D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1159-01RE1 [EW-1]	B215918	50.0	50.0	10/29/18
18J1159-02RE1 [EW-2]	B215918	50.0	50.0	10/29/18
18J1159-03RE1 [EW-3]	B215918	50.0	50.0	10/29/18
18J1159-04RE1 [EW-4]	B215918	50.0	50.0	10/29/18
18J1159-05RE1 [INFLUENT]	B215918	50.0	50.0	10/29/18
18J1159-06RE1 [CCT]	B215918	50.0	50.0	10/29/18
18J1159-07RE1 [CELL 3 BYPASS]	B215918	50.0	50.0	10/29/18
18J1159-08RE1 [CELL 2 EFFLUENT]	B215918	50.0	50.0	10/29/18
18J1159-09RE1 [CELL 1 EFFLUENT]	B215918	50.0	50.0	10/29/18

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

Sample Extraction Data

Prep Method: SW-846 3005A-SW-846 6010D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1159-10RE1 [PPE]	B215918	50.0	50.0	10/29/18

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1159-01 [EW-1]	B216009	6.00	6.00	10/30/18
18J1159-02 [EW-2]	B216009	6.00	6.00	10/30/18
18J1159-03 [EW-3]	B216009	6.00	6.00	10/30/18
18J1159-04 [EW-4]	B216009	6.00	6.00	10/30/18
18J1159-05 [INFLUENT]	B216009	6.00	6.00	10/30/18
18J1159-06 [CCT]	B216009	6.00	6.00	10/30/18
18J1159-07 [CELL 3 BYPASS]	B216009	6.00	6.00	10/30/18
18J1159-08 [CELL 2 EFFLUENT]	B216009	6.00	6.00	10/30/18
18J1159-09 [CELL 1 EFFLUENT]	B216009	6.00	6.00	10/30/18
18J1159-10 [PPE]	B216009	6.00	6.00	10/30/18

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1159-01 [EW-1]	B215683	1000	10.0	10/25/18
18J1159-02 [EW-2]	B215683	1000	10.0	10/25/18
18J1159-03 [EW-3]	B215683	1000	10.0	10/25/18
18J1159-04 [EW-4]	B215683	1000	10.0	10/25/18
18J1159-05 [INFLUENT]	B215683	1000	10.0	10/25/18
18J1159-06 [CCT]	B215683	1000	10.0	10/25/18
18J1159-07 [CELL 3 BYPASS]	B215683	1000	10.0	10/25/18
18J1159-08 [CELL 2 EFFLUENT]	B215683	1000	10.0	10/25/18
18J1159-09 [CELL 1 EFFLUENT]	B215683	1000	10.0	10/25/18
18J1159-10 [PPE]	B215683	1000	10.0	10/25/18

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1159-01 [EW-1]	B215948	0.5	5.00	10/30/18
18J1159-02 [EW-2]	B215948	5	5.00	10/30/18
18J1159-03 [EW-3]	B215948	5	5.00	10/30/18

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1159-04 [EW-4]	B215949	5	5.00	10/30/18
18J1159-05 [INFLUENT]	B215949	5	5.00	10/30/18
18J1159-06 [CCT]	B215949	5	5.00	10/30/18
18J1159-07 [CELL 3 BYPASS]	B215949	5	5.00	10/30/18
18J1159-08 [CELL 2 EFFLUENT]	B215949	5	5.00	10/30/18
18J1159-09 [CELL 1 EFFLUENT]	B215949	5	5.00	10/30/18
18J1159-10 [PPE]	B215949	5	5.00	10/30/18
18J1159-11 [TRIP BLANK]	B215949	5	5.00	10/30/18

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 B215948 - SW-846 5030B										
Blank (B215948-BLK1)				Prepared & Analyzed: 10/30/18						
Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	3.0	µg/L							

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 B215948 - SW-846 5030B										
Blank (B215948-BLK1)										
Prepared & Analyzed: 10/30/18										
Surrogate: 1,2-Dichloroethane-d4	25.5		µg/L	25.0		102	70-130			
Surrogate: Toluene-d8	24.9		µg/L	25.0		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	25.4		µg/L	25.0		102	70-130			
LCS (B215948-BS1)										
Prepared & Analyzed: 10/30/18										
Acetone	76.8	50	µg/L	100		76.8	70-160			V-35 †
Benzene	10.3	1.0	µg/L	10.0		103	70-130			
Bromochloromethane	11.6	1.0	µg/L	10.0		116	70-130			
Bromodichloromethane	10.5	0.50	µg/L	10.0		105	70-130			
Bromoform	10.1	1.0	µg/L	10.0		101	70-130			
Bromomethane	6.07	2.0	µg/L	10.0		60.7	40-160			V-20 †
2-Butanone (MEK)	77.4	20	µg/L	100		77.4	40-160			†
Carbon Disulfide	11.5	4.0	µg/L	10.0		115	70-130			V-36
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108	70-130			
Chlorobenzene	10.8	1.0	µg/L	10.0		108	70-130			
Chlorodibromomethane	11.1	0.50	µg/L	10.0		111	70-130			
Chloroethane	9.28	2.0	µg/L	10.0		92.8	70-130			
Cyclohexane	10.2	5.0	µg/L	10.0		102	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.55	5.0	µg/L	10.0		95.5	70-130			
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130			
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
1,4-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
Dichlorodifluoromethane (Freon 12)	9.70	2.0	µg/L	10.0		97.0	40-160			†
1,1-Dichloroethane	10.5	1.0	µg/L	10.0		105	70-130			
1,2-Dichloroethane	10.5	1.0	µg/L	10.0		105	70-130			
1,1-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
cis-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
trans-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
1,2-Dichloropropane	10.3	1.0	µg/L	10.0		103	70-130			
cis-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130			
trans-1,3-Dichloropropene	10.7	0.50	µg/L	10.0		107	70-130			
1,4-Dioxane	110	50	µg/L	100		110	40-130			†
Ethylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
2-Hexanone (MBK)	109	10	µg/L	100		109	70-160			†
Isopropylbenzene (Cumene)	10.5	1.0	µg/L	10.0		105	70-130			
Methyl Acetate	14.4	1.0	µg/L	10.0		144	* 70-130			L-02
Methyl tert-Butyl Ether (MTBE)	10.3	1.0	µg/L	10.0		103	70-130			
Methyl Cyclohexane	10.1	1.0	µg/L	10.0		101	70-130			
Methylene Chloride	9.75	5.0	µg/L	10.0		97.5	70-130			
4-Methyl-2-pentanone (MIBK)	90.2	10	µg/L	100		90.2	70-160			†
Styrene	10.1	1.0	µg/L	10.0		101	70-130			
1,1,1,2-Tetrachloroethane	11.0	1.0	µg/L	10.0		110	70-130			
Tetrachloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
Toluene	10.1	1.0	µg/L	10.0		101	70-130			
1,2,3-Trichlorobenzene	10.2	5.0	µg/L	10.0		102	70-130			
1,2,4-Trichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130			
1,1,1-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130			
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130			
Trichloroethylene	11.1	1.0	µg/L	10.0		111	70-130			
Trichlorofluoromethane (Freon 11)	10.2	2.0	µg/L	10.0		102	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	1.0	µg/L	10.0		110	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 B215948 - SW-846 5030B										
LCS (B215948-BS1)										
Prepared & Analyzed: 10/30/18										
Vinyl Chloride	9.13	2.0	µg/L	10.0		91.3	40-160			†
m+p Xylene	20.5	2.0	µg/L	20.0		102	70-130			
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	24.9		µg/L	25.0		99.8	70-130			
Surrogate: Toluene-d8	24.9		µg/L	25.0		99.7	70-130			
Surrogate: 4-Bromofluorobenzene	25.4		µg/L	25.0		101	70-130			
LCS Dup (B215948-BSD1)										
Prepared & Analyzed: 10/30/18										
Acetone	81.4	50	µg/L	100		81.4	70-160	5.80	25	V-35 †
Benzene	9.94	1.0	µg/L	10.0		99.4	70-130	3.36	25	
Bromochloromethane	11.3	1.0	µg/L	10.0		113	70-130	2.79	25	
Bromodichloromethane	10.3	0.50	µg/L	10.0		103	70-130	2.12	25	
Bromoform	10.0	1.0	µg/L	10.0		100	70-130	0.895	25	
Bromomethane	7.31	2.0	µg/L	10.0		73.1	40-160	18.5	25	V-20 †
2-Butanone (MEK)	82.3	20	µg/L	100		82.3	40-160	6.19	25	†
Carbon Disulfide	10.9	4.0	µg/L	10.0		109	70-130	4.83	25	V-36
Carbon Tetrachloride	10.4	5.0	µg/L	10.0		104	70-130	4.14	25	
Chlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	3.97	25	
Chlorodibromomethane	10.3	0.50	µg/L	10.0		103	70-130	7.20	25	
Chloroethane	9.03	2.0	µg/L	10.0		90.3	70-130	2.73	25	
Cyclohexane	10.1	5.0	µg/L	10.0		101	70-130	1.67	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.55	5.0	µg/L	10.0		95.5	70-130	0.00	25	
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102	70-130	5.52	25	
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	1.94	25	
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	1.85	25	
1,4-Dichlorobenzene	9.93	1.0	µg/L	10.0		99.3	70-130	2.98	25	
Dichlorodifluoromethane (Freon 12)	8.87	2.0	µg/L	10.0		88.7	40-160	8.94	25	†
1,1-Dichloroethane	9.98	1.0	µg/L	10.0		99.8	70-130	5.36	25	
1,2-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130	0.850	25	
1,1-Dichloroethylene	9.79	1.0	µg/L	10.0		97.9	70-130	3.22	25	
cis-1,2-Dichloroethylene	9.95	1.0	µg/L	10.0		99.5	70-130	4.33	25	
trans-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130	1.74	25	
1,2-Dichloropropane	9.98	1.0	µg/L	10.0		99.8	70-130	3.45	25	
cis-1,3-Dichloropropene	9.97	0.50	µg/L	10.0		99.7	70-130	4.32	25	
trans-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103	70-130	4.09	25	
1,4-Dioxane	108	50	µg/L	100		108	40-130	1.06	50	† ‡
Ethylbenzene	9.99	1.0	µg/L	10.0		99.9	70-130	2.86	25	
2-Hexanone (MBK)	97.4	10	µg/L	100		97.4	70-160	11.6	25	†
Isopropylbenzene (Cumene)	10.1	1.0	µg/L	10.0		101	70-130	3.78	25	
Methyl Acetate	14.6	1.0	µg/L	10.0		146	* 70-130	1.73	25	L-02
Methyl tert-Butyl Ether (MTBE)	10.4	1.0	µg/L	10.0		104	70-130	0.966	25	
Methyl Cyclohexane	9.79	1.0	µg/L	10.0		97.9	70-130	3.22	25	
Methylene Chloride	9.70	5.0	µg/L	10.0		97.0	70-130	0.514	25	
4-Methyl-2-pentanone (MIBK)	88.0	10	µg/L	100		88.0	70-160	2.46	25	†
Styrene	9.91	1.0	µg/L	10.0		99.1	70-130	2.10	25	
1,1,1,2-Tetrachloroethane	10.5	1.0	µg/L	10.0		105	70-130	4.09	25	
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130	5.55	25	
Toluene	9.68	1.0	µg/L	10.0		96.8	70-130	4.44	25	
1,2,3-Trichlorobenzene	10.5	5.0	µg/L	10.0		105	70-130	3.28	25	
1,2,4-Trichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	3.61	25	
1,1,1-Trichloroethane	9.75	1.0	µg/L	10.0		97.5	70-130	3.23	25	
1,1,2-Trichloroethane	9.90	1.0	µg/L	10.0		99.0	70-130	3.67	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 B215948 - SW-846 5030B
LCS Dup (B215948-BSD1)

Prepared & Analyzed: 10/30/18

Trichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	4.81	25	
Trichlorofluoromethane (Freon 11)	10.0	2.0	µg/L	10.0		100	70-130	1.98	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	1.0	µg/L	10.0		104	70-130	5.88	25	
Vinyl Chloride	8.41	2.0	µg/L	10.0		84.1	40-160	8.21	25	†
m+p Xylene	19.9	2.0	µg/L	20.0		99.6	70-130	2.82	25	
o-Xylene	9.96	1.0	µg/L	10.0		99.6	70-130	3.26	25	
Surrogate: 1,2-Dichloroethane-d4	24.8		µg/L	25.0		99.4	70-130			
Surrogate: Toluene-d8	24.3		µg/L	25.0		97.1	70-130			
Surrogate: 4-Bromofluorobenzene	25.7		µg/L	25.0		103	70-130			

Batch B215949 - SW-846 5030B
Blank (B215949-BLK1)

Prepared: 10/30/18 Analyzed: 10/31/18

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							R-05
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							

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 B215949 - SW-846 5030B										
Blank (B215949-BLK1)										
Prepared: 10/30/18 Analyzed: 10/31/18										
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	3.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	25.2		µg/L	25.0		101	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.2		µg/L	25.0		101	70-130			
LCS (B215949-BS1)										
Prepared: 10/30/18 Analyzed: 10/31/18										
Acetone	97.8	50	µg/L	100		97.8	70-160			V-35 †
Benzene	10.4	1.0	µg/L	10.0		104	70-130			
Bromochloromethane	11.8	1.0	µg/L	10.0		118	70-130			
Bromodichloromethane	10.5	0.50	µg/L	10.0		105	70-130			
Bromoform	10.4	1.0	µg/L	10.0		104	70-130			
Bromomethane	4.44	2.0	µg/L	10.0		44.4	40-160			R-05 †
2-Butanone (MEK)	90.3	20	µg/L	100		90.3	40-160			†
Carbon Disulfide	10.9	4.0	µg/L	10.0		109	70-130			V-36
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108	70-130			
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
Chlorodibromomethane	11.1	0.50	µg/L	10.0		111	70-130			
Chloroethane	9.55	2.0	µg/L	10.0		95.5	70-130			
Cyclohexane	10.5	5.0	µg/L	10.0		105	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.73	5.0	µg/L	10.0		97.3	70-130			
1,2-Dibromoethane (EDB)	11.0	0.50	µg/L	10.0		110	70-130			
1,2-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
Dichlorodifluoromethane (Freon 12)	9.32	2.0	µg/L	10.0		93.2	40-160			†
1,1-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130			
1,2-Dichloroethane	10.9	1.0	µg/L	10.0		109	70-130			
1,1-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
cis-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130			
trans-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
1,2-Dichloropropane	10.4	1.0	µg/L	10.0		104	70-130			
cis-1,3-Dichloropropene	10.0	0.50	µg/L	10.0		100	70-130			
trans-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130			
1,4-Dioxane	119	50	µg/L	100		119	40-130			V-20 †
Ethylbenzene	10.1	1.0	µg/L	10.0		101	70-130			
2-Hexanone (MBK)	102	10	µg/L	100		102	70-160			†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104	70-130			
Methyl Acetate	16.4	1.0	µg/L	10.0		164	* 70-130			L-02
Methyl tert-Butyl Ether (MTBE)	10.7	1.0	µg/L	10.0		107	70-130			
Methyl Cyclohexane	10.1	1.0	µg/L	10.0		101	70-130			
Methylene Chloride	10.1	5.0	µg/L	10.0		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 B215949 - SW-846 5030B

LCS (B215949-BS1)

Prepared: 10/30/18 Analyzed: 10/31/18

4-Methyl-2-pentanone (MIBK)	94.0	10	µg/L	100		94.0	70-160			†
Styrene	10.2	1.0	µg/L	10.0		102	70-130			
1,1,1,2-Tetrachloroethane	10.7	1.0	µg/L	10.0		107	70-130			
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
Toluene	10.3	1.0	µg/L	10.0		103	70-130			
1,2,3-Trichlorobenzene	10.2	5.0	µg/L	10.0		102	70-130			
1,2,4-Trichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,1,1-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130			
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130			
Trichloroethylene	11.7	1.0	µg/L	10.0		117	70-130			
Trichlorofluoromethane (Freon 11)	10.1	2.0	µg/L	10.0		101	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0		105	70-130			
Vinyl Chloride	9.18	2.0	µg/L	10.0		91.8	40-160			†
m+p Xylene	20.7	2.0	µg/L	20.0		103	70-130			
o-Xylene	10.4	1.0	µg/L	10.0		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	24.9		µg/L	25.0		99.4	70-130			
Surrogate: Toluene-d8	25.1		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	25.9		µg/L	25.0		103	70-130			

LCS Dup (B215949-BS1)

Prepared: 10/30/18 Analyzed: 10/31/18

Acetone	103	50	µg/L	100		103	70-160	5.09	25	V-35	†
Benzene	10.0	1.0	µg/L	10.0		100	70-130	3.23	25		
Bromochloromethane	10.9	1.0	µg/L	10.0		109	70-130	7.23	25		
Bromodichloromethane	10.4	0.50	µg/L	10.0		104	70-130	0.957	25		
Bromoform	10.3	1.0	µg/L	10.0		103	70-130	1.35	25		
Bromomethane	5.74	2.0	µg/L	10.0		57.4	40-160	25.5 *	25	R-05	†
2-Butanone (MEK)	93.1	20	µg/L	100		93.1	40-160	3.03	25		†
Carbon Disulfide	10.4	4.0	µg/L	10.0		104	70-130	4.42	25	V-36	
Carbon Tetrachloride	10.2	5.0	µg/L	10.0		102	70-130	5.15	25		
Chlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	0.855	25		
Chlorodibromomethane	11.3	0.50	µg/L	10.0		113	70-130	1.34	25		
Chloroethane	9.15	2.0	µg/L	10.0		91.5	70-130	4.28	25		
Cyclohexane	9.65	5.0	µg/L	10.0		96.5	70-130	8.15	25		
1,2-Dibromo-3-chloropropane (DBCP)	10.2	5.0	µg/L	10.0		102	70-130	5.11	25		
1,2-Dibromoethane (EDB)	10.9	0.50	µg/L	10.0		109	70-130	1.64	25		
1,2-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	0.291	25		
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	1.84	25		
1,4-Dichlorobenzene	9.80	1.0	µg/L	10.0		98.0	70-130	3.41	25		
Dichlorodifluoromethane (Freon 12)	8.91	2.0	µg/L	10.0		89.1	40-160	4.50	25		†
1,1-Dichloroethane	10.2	1.0	µg/L	10.0		102	70-130	3.86	25		
1,2-Dichloroethane	11.0	1.0	µg/L	10.0		110	70-130	0.824	25		
1,1-Dichloroethylene	9.61	1.0	µg/L	10.0		96.1	70-130	5.17	25		
cis-1,2-Dichloroethylene	9.53	1.0	µg/L	10.0		95.3	70-130	5.11	25		
trans-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	2.90	25		
1,2-Dichloropropane	10.2	1.0	µg/L	10.0		102	70-130	1.36	25		
cis-1,3-Dichloropropene	9.81	0.50	µg/L	10.0		98.1	70-130	2.22	25		
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	1.46	25		
1,4-Dioxane	117	50	µg/L	100		117	40-130	1.20	50	V-20	† ‡
Ethylbenzene	10.0	1.0	µg/L	10.0		100	70-130	0.993	25		
2-Hexanone (MBK)	107	10	µg/L	100		107	70-160	4.43	25		†
Isopropylbenzene (Cumene)	10.3	1.0	µg/L	10.0		103	70-130	1.54	25		
Methyl Acetate	16.7	1.0	µg/L	10.0		167 *	70-130	2.12	25	L-02	

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 B215949 - SW-846 5030B										
LCS Dup (B215949-BSD1)					Prepared: 10/30/18 Analyzed: 10/31/18					
Methyl tert-Butyl Ether (MTBE)	10.6	1.0	µg/L	10.0		106	70-130	0.942	25	
Methyl Cyclohexane	9.09	1.0	µg/L	10.0		90.9	70-130	10.5	25	
Methylene Chloride	9.72	5.0	µg/L	10.0		97.2	70-130	3.44	25	
4-Methyl-2-pentanone (MIBK)	98.8	10	µg/L	100		98.8	70-160	5.03	25	†
Styrene	9.96	1.0	µg/L	10.0		99.6	70-130	2.48	25	
1,1,1,2-Tetrachloroethane	10.7	1.0	µg/L	10.0		107	70-130	0.0933	25	
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104	70-130	1.99	25	
Toluene	10.0	1.0	µg/L	10.0		100	70-130	2.36	25	
1,2,3-Trichlorobenzene	11.1	5.0	µg/L	10.0		111	70-130	7.89	25	
1,2,4-Trichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	0.963	25	
1,1,1-Trichloroethane	9.72	1.0	µg/L	10.0		97.2	70-130	4.23	25	
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130	0.566	25	
Trichloroethylene	11.3	1.0	µg/L	10.0		113	70-130	3.31	25	
Trichlorofluoromethane (Freon 11)	9.94	2.0	µg/L	10.0		99.4	70-130	1.70	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.79	1.0	µg/L	10.0		97.9	70-130	7.28	25	
Vinyl Chloride	9.18	2.0	µg/L	10.0		91.8	40-160	0.00	25	†
m+p Xylene	20.0	2.0	µg/L	20.0		100	70-130	3.34	25	
o-Xylene	10.1	1.0	µg/L	10.0		101	70-130	2.34	25	
Surrogate: 1,2-Dichloroethane-d4	25.0		µg/L	25.0		99.9	70-130			
Surrogate: Toluene-d8	25.3		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.5		µg/L	25.0		102	70-130			

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

QUALITY CONTROL
Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B215683 - SW-846 3510C										
Blank (B215683-BLK1)										
Prepared: 10/25/18 Analyzed: 10/30/18										
Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	1.28		µg/L	2.00		64.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.32		µg/L	2.00		66.0	30-150			
Surrogate: Tetrachloro-m-xylene	1.42		µg/L	2.00		70.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.55		µg/L	2.00		77.4	30-150			
LCS (B215683-BS1)										
Prepared: 10/25/18 Analyzed: 10/30/18										
Aroclor-1016	0.50	0.20	µg/L	0.500		100	40-140			
Aroclor-1016 [2C]	0.55	0.20	µg/L	0.500		110	40-140			
Aroclor-1260	0.50	0.20	µg/L	0.500		101	40-140			
Aroclor-1260 [2C]	0.56	0.20	µg/L	0.500		111	40-140			
Surrogate: Decachlorobiphenyl	1.79		µg/L	2.00		89.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.89		µg/L	2.00		94.4	30-150			
Surrogate: Tetrachloro-m-xylene	1.50		µg/L	2.00		75.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.65		µg/L	2.00		82.3	30-150			
LCS Dup (B215683-BSD1)										
Prepared: 10/25/18 Analyzed: 10/30/18										
Aroclor-1016	0.50	0.20	µg/L	0.500		101	40-140	0.473	20	
Aroclor-1016 [2C]	0.53	0.20	µg/L	0.500		107	40-140	3.03	20	
Aroclor-1260	0.49	0.20	µg/L	0.500		98.0	40-140	2.78	20	
Aroclor-1260 [2C]	0.54	0.20	µg/L	0.500		108	40-140	2.43	20	
Surrogate: Decachlorobiphenyl	1.73		µg/L	2.00		86.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.82		µg/L	2.00		90.9	30-150			
Surrogate: Tetrachloro-m-xylene	1.52		µg/L	2.00		76.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.67		µg/L	2.00		83.4	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 B215710 - SW-846 3005A
Blank (B215710-BLK1)

Prepared: 10/25/18 Analyzed: 10/26/18

Aluminum	ND	0.050	mg/L
Antimony	ND	0.050	mg/L
Arsenic	ND	0.010	mg/L
Barium	ND	0.050	mg/L
Beryllium	ND	0.0040	mg/L
Cadmium	ND	0.0040	mg/L
Calcium	ND	0.15	mg/L
Chromium	ND	0.010	mg/L
Cobalt	ND	0.050	mg/L
Copper	ND	0.010	mg/L
Lead	ND	0.010	mg/L
Magnesium	ND	0.15	mg/L
Manganese	ND	0.010	mg/L
Nickel	ND	0.010	mg/L
Potassium	ND	2.0	mg/L
Selenium	ND	0.050	mg/L
Silver	ND	0.0050	mg/L
Sodium	ND	2.0	mg/L
Thallium	ND	0.050	mg/L
Vanadium	ND	0.010	mg/L
Zinc	ND	0.020	mg/L

LCS (B215710-BS1)

Prepared: 10/25/18 Analyzed: 10/26/18

Aluminum	0.520	0.050	mg/L	0.500	104	80-120
Antimony	0.521	0.050	mg/L	0.500	104	80-120
Arsenic	0.503	0.010	mg/L	0.500	101	80-120
Barium	0.542	0.050	mg/L	0.500	108	80-120
Beryllium	0.507	0.0040	mg/L	0.500	101	80-120
Cadmium	0.524	0.0040	mg/L	0.500	105	80-120
Calcium	4.23	0.15	mg/L	4.00	106	80-120
Chromium	0.522	0.010	mg/L	0.500	104	80-120
Cobalt	0.533	0.050	mg/L	0.500	107	80-120
Copper	1.02	0.010	mg/L	1.00	102	80-120
Lead	0.522	0.010	mg/L	0.500	104	80-120
Magnesium	4.15	0.15	mg/L	4.00	104	80-120
Manganese	0.505	0.010	mg/L	0.500	101	80-120
Nickel	0.533	0.010	mg/L	0.500	107	80-120
Potassium	4.09	2.0	mg/L	4.00	102	80-120
Selenium	0.499	0.050	mg/L	0.500	99.8	80-120
Silver	0.565	0.0050	mg/L	0.500	113	80-120
Sodium	4.31	2.0	mg/L	4.00	108	80-120
Thallium	0.542	0.050	mg/L	0.500	108	80-120
Vanadium	0.516	0.010	mg/L	0.500	103	80-120
Zinc	1.04	0.020	mg/L	1.00	104	80-120

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 B215710 - SW-846 3005A
LCS Dup (B215710-BSD1)

Prepared: 10/25/18 Analyzed: 10/26/18

Aluminum	0.521	0.050	mg/L	0.500		104	80-120	0.237	20	
Antimony	0.528	0.050	mg/L	0.500		106	80-120	1.31	20	
Arsenic	0.507	0.010	mg/L	0.500		101	80-120	0.673	20	
Barium	0.543	0.050	mg/L	0.500		109	80-120	0.324	20	
Beryllium	0.513	0.0040	mg/L	0.500		103	80-120	1.15	20	
Cadmium	0.525	0.0040	mg/L	0.500		105	80-120	0.211	20	
Calcium	4.26	0.15	mg/L	4.00		107	80-120	0.665	20	
Chromium	0.524	0.010	mg/L	0.500		105	80-120	0.452	20	
Cobalt	0.534	0.050	mg/L	0.500		107	80-120	0.201	20	
Copper	1.02	0.010	mg/L	1.00		102	80-120	0.381	20	
Lead	0.526	0.010	mg/L	0.500		105	80-120	0.791	20	
Magnesium	4.20	0.15	mg/L	4.00		105	80-120	1.05	20	
Manganese	0.511	0.010	mg/L	0.500		102	80-120	1.11	20	
Nickel	0.537	0.010	mg/L	0.500		107	80-120	0.755	20	
Potassium	4.19	2.0	mg/L	4.00		105	80-120	2.33	20	
Selenium	0.509	0.050	mg/L	0.500		102	80-120	2.01	20	
Silver	0.560	0.0050	mg/L	0.500		112	80-120	1.05	20	
Sodium	4.30	2.0	mg/L	4.00		108	80-120	0.156	20	
Thallium	0.540	0.050	mg/L	0.500		108	80-120	0.423	20	
Vanadium	0.519	0.010	mg/L	0.500		104	80-120	0.434	20	
Zinc	1.04	0.020	mg/L	1.00		104	80-120	0.618	20	

Duplicate (B215710-DUP1)
Source: 18J1159-06

Prepared: 10/25/18 Analyzed: 10/26/18

Aluminum	0.475	0.050	mg/L		0.475		0.0733	20	
Antimony	ND	0.050	mg/L		ND		NC	20	
Arsenic	ND	0.010	mg/L		ND		NC	20	
Barium	ND	0.050	mg/L		ND		NC	20	
Beryllium	ND	0.0040	mg/L		ND		NC	20	
Cadmium	ND	0.0040	mg/L		ND		NC	20	
Calcium	81.4	0.15	mg/L		84.1		3.31	20	
Chromium	ND	0.010	mg/L		ND		NC	20	
Cobalt	ND	0.050	mg/L		ND		NC	20	
Copper	ND	0.010	mg/L		ND		NC	20	
Lead	ND	0.010	mg/L		ND		NC	20	
Magnesium	18.7	0.15	mg/L		19.4		3.46	20	
Manganese	1.50	0.010	mg/L		1.55		3.27	20	
Nickel	0.0293	0.010	mg/L		0.0315		7.06	20	
Potassium	2.33	2.0	mg/L		2.35		0.652	20	
Selenium	ND	0.050	mg/L		ND		NC	20	
Silver	ND	0.0050	mg/L		ND		NC	20	
Sodium	48.0	2.0	mg/L		49.7		3.44	20	
Thallium	ND	0.050	mg/L		ND		NC	20	
Vanadium	ND	0.010	mg/L		ND		NC	20	
Zinc	0.0333	0.020	mg/L		0.0352		5.65	20	

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 B215710 - SW-846 3005A										
Matrix Spike (B215710-MS1)	Source: 18J1159-06			Prepared: 10/25/18 Analyzed: 10/26/18						
Aluminum	0.944	0.050	mg/L	0.500	0.475	93.8	75-125			
Antimony	0.486	0.050	mg/L	0.500	ND	97.2	75-125			
Arsenic	0.496	0.010	mg/L	0.500	ND	99.3	75-125			
Barium	0.545	0.050	mg/L	0.500	0.0362	102	75-125			
Beryllium	0.499	0.0040	mg/L	0.500	ND	99.8	75-125			
Cadmium	0.503	0.0040	mg/L	0.500	ND	101	75-125			
Calcium	84.1	0.15	mg/L	4.00	84.1	-0.744 *	75-125			MS-19
Chromium	0.499	0.010	mg/L	0.500	ND	99.9	75-125			
Cobalt	0.503	0.050	mg/L	0.500	ND	101	75-125			
Copper	0.989	0.010	mg/L	1.00	0.00383	98.5	75-125			
Lead	0.484	0.010	mg/L	0.500	ND	96.8	75-125			
Magnesium	22.4	0.15	mg/L	4.00	19.4	75.2	75-125			
Manganese	1.97	0.010	mg/L	0.500	1.55	84.0	75-125			
Nickel	0.531	0.010	mg/L	0.500	0.0315	99.8	75-125			
Potassium	6.50	2.0	mg/L	4.00	2.35	104	75-125			
Selenium	0.451	0.050	mg/L	0.500	ND	90.3	75-125			
Silver	0.280	0.0050	mg/L	0.500	ND	55.9 *	75-125			MS-07
Sodium	51.3	2.0	mg/L	4.00	49.7	41.2 *	75-125			MS-19
Thallium	0.512	0.050	mg/L	0.500	ND	102	75-125			
Vanadium	0.504	0.010	mg/L	0.500	0.00622	99.6	75-125			
Zinc	1.03	0.020	mg/L	1.00	0.0352	99.2	75-125			

Batch B215918 - SW-846 3005A

Blank (B215918-BLK1)	Prepared: 10/29/18 Analyzed: 10/30/18									
Iron	ND	0.050	mg/L							
LCS (B215918-BS1)	Prepared: 10/29/18 Analyzed: 10/30/18									
Iron	3.93	0.050	mg/L	4.00		98.3	80-120			
LCS Dup (B215918-BSD1)	Prepared: 10/29/18 Analyzed: 10/30/18									
Iron	3.97	0.050	mg/L	4.00		99.3	80-120	1.03	20	
Duplicate (B215918-DUP1)	Prepared: 10/29/18 Analyzed: 10/30/18									
Iron	4.12	0.050	mg/L		4.15			0.671	20	
Matrix Spike (B215918-MS1)	Prepared: 10/29/18 Analyzed: 10/30/18									
Iron	8.16	0.050	mg/L	4.00	4.15	100	75-125			

Batch B216009 - SW-846 7470A Prep

Blank (B216009-BLK1)	Prepared: 10/30/18 Analyzed: 10/31/18									
Mercury	ND	0.00010	mg/L							

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 B216009 - SW-846 7470A Prep										
LCS (B216009-BS1)				Prepared: 10/30/18 Analyzed: 10/31/18						
Mercury	0.00182	0.00010	mg/L	0.00200		91.2	80-120			
LCS Dup (B216009-BSD1)				Prepared: 10/30/18 Analyzed: 10/31/18						
Mercury	0.00187	0.00010	mg/L	0.00200		93.6	80-120	2.62	20	
Duplicate (B216009-DUP1)				Prepared: 10/30/18 Analyzed: 10/31/18						
Mercury	ND	0.00010	mg/L		ND			NC	20	
Matrix Spike (B216009-MS1)				Prepared: 10/30/18 Analyzed: 10/31/18						
Mercury	0.00181	0.00010	mg/L	0.00200	ND	90.4	75-125			

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch B215773 - SM21-22 2540D								
Blank (B215773-BLK1)				Prepared & Analyzed: 10/26/18				
Total Suspended Solids	ND	2.5	mg/L					
LCS (B215773-BS1)				Prepared & Analyzed: 10/26/18				
Total Suspended Solids	216	20	mg/L	200	108	64.3-117		
Duplicate (B215773-DUP2)				Prepared & Analyzed: 10/26/18				
Source: 18J1159-09								
Total Suspended Solids	28	2.8	mg/L		26		10.0 * 5	R-02

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B215847 - SM21-22 2540C										
Blank (B215847-BLK1)				Prepared & Analyzed: 10/29/18						
Total Dissolved Solids	ND	10	mg/L							
LCS (B215847-BS1)				Prepared & Analyzed: 10/29/18						
Total Dissolved Solids	250	10	mg/L	293		84.6	61.4-114			
Duplicate (B215847-DUP1)				Prepared & Analyzed: 10/29/18						
Total Dissolved Solids	640	10	mg/L		560			12.9	*	5 R-02

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

EW-1

Lab Sample ID: 18J1159-01 Date(s) Analyzed 10/30/2018 10/30/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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	4200	
	2	0.000	0.000	0.000	4400	4.7

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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***EW-4**

Lab Sample ID: 18J1159-04 Date(s) Analyzed 10/30/2018 10/30/2018
Instrument ID (1): ECD1 Instrument ID (2): ECD1
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	0.28	
	2	0.000	0.000	0.000	0.22	24.0

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

Lab Sample ID: 18J1159-05 Date(s) Analyzed 10/30/2018 10/30/2018
Instrument ID (1): ECD1 Instrument ID (2): ECD1
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	1.4	
	2	0.000	0.000	0.000	1.5	6.9

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

Lab Sample ID: 18J1159-06 Date(s) Analyzed 10/30/2018 10/30/2018
Instrument ID (1): ECD1 Instrument ID (2): ECD1
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	0.48	
	2	0.000	0.000	0.000	0.54	11.8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***CELL 3 BYPASS**

Lab Sample ID: 18J1159-07 Date(s) Analyzed 10/30/2018 10/30/2018
Instrument ID (1): ECD1 Instrument ID (2): ECD1
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	0.36	
	2	0.000	0.000	0.000	0.36	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B215683-BS1 Date(s) Analyzed 10/30/2018 10/30/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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	0.50	
	2	0.000	0.000	0.000	0.55	9.5
Aroclor-1260	1	0.000	0.000	0.000	0.50	
	2	0.000	0.000	0.000	0.56	11.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B215683-BSD1 Date(s) Analyzed 10/30/2018 10/30/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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	0.50	
	2	0.000	0.000	0.000	0.53	5.8
Aroclor-1260	1	0.000	0.000	0.000	0.49	
	2	0.000	0.000	0.000	0.54	9.7

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.
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-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
R-02	Duplicate RPD is outside of control limits. Outlier can be attributed to sample non-homogeneity encountered during sample prep.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-11	Elevated reporting limit due to high concentration of target compounds.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.
V-36	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-22 2540C in Water	
Total Dissolved Solids	CT,MA,NH,NY,RI,NC,ME,VA
SM21-22 2540D in Water	
Total Suspended Solids	CT,MA,NH,NY,RI,NC,ME,VA
SW-846 6010D in Water	
Aluminum	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,RI,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Calcium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Cobalt	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Magnesium	CT,NH,NY,ME,VA,NC
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Potassium	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Sodium	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Water</i>	
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
<i>SW-846 8260C in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Cyclohexane	NY
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
1,4-Dioxane	NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
Methyl Acetate	NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Water</i>	
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY
Xylenes (total)	NY

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019



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Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD (New York)

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

Doc # 380 Rev 1_03242017

Company Name: **ARCADIS**
Address: **555 Route 146 Suite 210, Littleton, CO 80120**
Phone: **303-248-4208**
Project Name: **PORTLAND LE**
Project Location: **FORT CHARLES, NY**
Project Number: **00266434.0000**
Project Manager: **ANDY VITOLINS**
Con-Test Quote Name/Number:
Invoice Recipient: **JASMINE MULLINS**
Sampled By: **J. MULLINS / N. KLOPFER**

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: **STD**
Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: **JASMINE.MULLINS@ARCADIS.COM**
Fax To: **ARCADIS.COM**

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	EW-1	10/22/18 1010	10/22/18 1010	☒	☒	0	0
2	EW-2	10/22/18 0950	10/22/18 0950	☒	☒	0	0
3	EW-3	10/22/18 0935	10/22/18 0935	☒	☒	0	0
4	EW-4	10/22/18 1020	10/22/18 1020	☒	☒	0	0
5	INFLUENT	10/22/18 0855	10/22/18 0855	☒	☒	0	0
6	CCT	10/22/18 0910	10/22/18 0910	☒	☒	0	0
7	CELL 3 BYPASS	10/22/18 1100	10/22/18 1100	☒	☒	0	0
8	CELL 2 EFFLUENT	10/22/18 1130	10/22/18 1130	☒	☒	0	0
9	CELL 1 EFFLUENT	10/22/18 1240	10/22/18 1240	☒	☒	0	0
10	PPE	10/22/18 1410	10/22/18 1410	☒	☒	0	0

Comments:

3 COOLERS

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: 10/23/18 1200
Received by: (signature) [Signature]	Date/Time: 10-23-18 1200
Relinquished by: (signature) [Signature]	Date/Time: 10-23-18 1405
Received by: (signature) [Signature]	Date/Time: 10-23-18 1405
Relinquished by: (signature) [Signature]	Date/Time: 10-23-18 1810
Received by: (signature) [Signature]	Date/Time: 10/23/18 1810

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

Other:
☐ NELAP and AIHA-LAP, LLC Accredited

Deliverables
☐ Enhanced Data Package
☒ EQuIS (Standard) EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Matrix Codes:
1 = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Preservation Codes:
1 = 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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 Fax: 413-525-6405
 Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD (New York)

39 Spruce Street
 East Longmeadow, MA 01028

Company Name: <u>Arachis</u> Address: <u>855 Route 146 Suite 210, Litten Park, NY</u> Phone: <u>646-248-4208</u> Project Name: <u>Fort Edward LE</u> Project Location: <u>Fort Edward, NY</u> Project Number: <u>00266434.0000</u> Project Manager: <u>Andy Vitelins</u> Con-Test Quote Name/Number: Invoice Recipient: <u>Jasmine Mullins</u> Sampled By: <u>J. Mullins / M. Kloepler</u>		Requested Turnaround Time 7-Day ☐ 10-Day ☐ Due Date: <u>STD</u> Rush-Approval Required 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐ Data Delivery Format: PDF ☒ EXCEL ☒ Other: CLP Like Data Pkg Required: ☐ Email To: <u>Jasmine Mullins@arachis.com</u> Fax To #:		ANALYSIS REQUESTED <u>PCB's</u> <u>TEL VOC's</u> <u>Tail Metals w/ H8</u> <u>TSS/TDS</u>		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	
Con-Test Work Order# <u>11</u> Client Sample ID / Description <u>TRIP BLANK</u>		Beginning Date/Time <u>10/23/18</u>		Ending Date/Time <u>—</u>		Composite ☒		Grab ☒		Matrix Code <u>GW</u>		Conc Code	
Relinquished by: (signature) <u>Jasmine Mullins</u>		Date/Time: <u>10/23/18 1200</u>		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 ☒ NY/DEC EQUS EDD ☐ EQUS (Standard) EDD ☐ NY Regulatory EDD ☐ NY Regs Hits-Only EDD		Other: NELAC and AIHA-LAP, LLC Accredited		Project Entity ☐ Government ☐ Federal ☐ City		Other ☐ MWRA ☐ School ☐ MBTA	
Relinquished by: (signature) <u>Andy Vitelins</u>		Date/Time: <u>10-23-18 1200</u>		☐ NY TOGS ☐ NY CP-51		☐ Enhanced Data Package ☒ NY/DEC EQUS EDD ☐ EQUS (Standard) EDD ☐ NY Regulatory EDD ☐ NY Regs Hits-Only EDD		Other: NELAC and AIHA-LAP, LLC Accredited		☐ Chromatogram ☐ AIHA-LAP, LLC			
Relinquished by: (signature) <u>Andy Vitelins</u>		Date/Time: <u>10-23-18 1405</u>		☐ NY TOGS ☐ NY CP-51		☐ Enhanced Data Package ☒ NY/DEC EQUS EDD ☐ EQUS (Standard) EDD ☐ NY Regulatory EDD ☐ NY Regs Hits-Only EDD		Other: NELAC and AIHA-LAP, LLC Accredited		☐ Chromatogram ☐ AIHA-LAP, LLC			
Relinquished by: (signature) <u>Andy Vitelins</u>		Date/Time: <u>10-23-18 1810</u>		☐ NY TOGS ☐ NY CP-51		☐ Enhanced Data Package ☒ NY/DEC EQUS EDD ☐ EQUS (Standard) EDD ☐ NY Regulatory EDD ☐ NY Regs Hits-Only EDD		Other: NELAC and AIHA-LAP, LLC Accredited		☐ Chromatogram ☐ AIHA-LAP, LLC			
Relinquished by: (signature) <u>Andy Vitelins</u>		Date/Time: <u>10/23/18 1810</u>		☐ NY TOGS ☐ NY CP-51		☐ Enhanced Data Package ☒ NY/DEC EQUS EDD ☐ EQUS (Standard) EDD ☐ NY Regulatory EDD ☐ NY Regs Hits-Only EDD		Other: NELAC and AIHA-LAP, LLC Accredited		☐ Chromatogram ☐ AIHA-LAP, LLC			

3 COOLERS

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 Arcadis

Received By up Date 10/23/18 Time 18:10

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 # 577 Actual Temp - 2.0, 2.6, 2.8
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 Client T Analysis T Sampler Name T
pertinent Information? 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? T On COC? T

Do all samples have the proper pH? _____ Acid 7.2 Base _____

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.	20	1 Liter Plastic		16 oz Amb.
HCL-	<u>30, p32</u>	500 mL Amb.		500 mL Plastic	<u>10</u>	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	<u>10</u>	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		

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:

November 1, 2018

Jasmine Mullins
Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065

Project Location: Fort Edward, NY
Client Job Number:
Project Number: 00266434.0000
Laboratory Work Order Number: 18J1160

Enclosed are results of analyses for samples received by the laboratory on October 23, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron L. Benoit", with a long horizontal line extending to the right.

Aaron L. Benoit
Project Manager

Table of Contents

Sample Summary	4
Case Narrative	7
Sample Results	10
18J1160-01	10
18J1160-02	16
18J1160-03	21
18J1160-04	26
18J1160-05	31
18J1160-06	37
18J1160-07	42
18J1160-08	47
18J1160-09	53
18J1160-10	58
18J1160-11	64
18J1160-12	69
18J1160-13	75
18J1160-14	80
18J1160-15	86
18J1160-16	91
18J1160-17	96
18J1160-18	98
18J1160-19	104
Sample Preparation Information	110
QC Data	114
Volatile Organic Compounds by GC/MS	114

Table of Contents (continued)

B215664	114
B215720	118
B215949	123
Polychlorinated Biphenyls By GC/ECD	127
B215817	127
B215944	128
Metals Analyses (Total)	129
B215661	129
B215674	129
B215710	130
B215759	132
B215918	133
B216009	133
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	135
B215773	135
B215852	135
B215886	135
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Dissolved)	136
B215847	136
Dual Column RPD Report	137
Flag/Qualifier Summary	142
Certifications	143
Chain of Custody/Sample Receipt	149

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Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065
ATTN: Jasmine Mullins

REPORT DATE: 11/1/2018

PURCHASE ORDER NUMBER: 00266434.0000

PROJECT NUMBER: 00266434.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18J1160

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

PROJECT LOCATION: Fort Edward, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Field Blank 1	18J1160-01	Field Blank		SM21-22 2540C SM21-22 2540D SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260C	
CELL 3	18J1160-02	Soil		SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260C	
CELL 2	18J1160-03	Soil		SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260C	
CELL 1	18J1160-04	Soil		SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260C	
POLISHING POND INFLUENT	18J1160-05	Ground Water		SM21-22 2540C SM21-22 2540D SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260C	
POLISHING POND INFLUENT	18J1160-06	Soil		SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260C	
POLISHING POND EFFLUENT	18J1160-07	Soil		SM 2540G SW-846 6010D SW-846 7471B SW-846 8082A SW-846 8260C	

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Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065
ATTN: Jasmine Mullins

REPORT DATE: 11/1/2018

PURCHASE ORDER NUMBER: 00266434.0000

PROJECT NUMBER: 00266434.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18J1160

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

PROJECT LOCATION: Fort Edward, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
GFFC 2	18J1160-08	Ground Water		SM21-22 2540C	
				SM21-22 2540D	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8082A	
GFFC 2	18J1160-09	Soil		SW-846 8260C	
				SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8082A	
GFFC 3	18J1160-10	Ground Water		SW-846 8260C	
				SM21-22 2540C	
				SM21-22 2540D	
				SW-846 6010D	
				SW-846 7470A	
GFFC 3	18J1160-11	Soil		SW-846 8082A	
				SW-846 8260C	
				SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
UNNAMED POND	18J1160-12	Ground Water		SW-846 8082A	
				SW-846 8260C	
				SM21-22 2540C	
				SM21-22 2540D	
				SW-846 6010D	
UNNAMED POND	18J1160-13	Soil		SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
				SM 2540G	
				SW-846 6010D	
GFFC 1	18J1160-14	Ground Water		SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SM21-22 2540C	
				SM21-22 2540D	

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Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
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ATTN: Jasmine Mullins

REPORT DATE: 11/1/2018

PURCHASE ORDER NUMBER: 00266434.0000

PROJECT NUMBER: 00266434.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18J1160

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

PROJECT LOCATION: Fort Edward, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
GFFC 1	18J1160-15	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
DUP-2	18J1160-16	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
TRIP BLANK	18J1160-17	Trip Blank Water		SW-846 8260C	
MW-2	18J1160-18	Ground Water		SM21-22 2540C	
				SM21-22 2540D	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8082A	
MW-2A	18J1160-19	Ground Water		SW-846 8260C	
				SM21-22 2540C	
				SM21-22 2540D	
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	

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:**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:**Methyl Acetate**

B215664-BS1, B215664-BSD1, B215720-BS1, B215720-BSD1, B215949-BS1, B215949-BSD1, S028888-CCV1

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:

18J1160-02[CELL 3], 18J1160-03[CELL 2], 18J1160-04[CELL 1], 18J1160-06[POLISHING POND INFLUENT], 18J1160-07[POLISHING POND EFFLUENT], 18J1160-09[GFFC 2], 18J1160-11[GFFC 3], 18J1160-13[UNNAMED POND], 18J1160-15[GFFC 1], 18J1160-16[DUP-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:**Bromomethane**

18J1160-01[Field Blank 1], 18J1160-05[POLISHING POND INFLUENT], 18J1160-08[GFFC 2], 18J1160-10[GFFC 3], 18J1160-12[UNNAMED POND], 18J1160-14[GFFC 1], 18J1160-17[TRIP BLANK], 18J1160-18[MW-2], 18J1160-19[MW-2A], B215949-BLK1, B215949-BS1, B215949-BSD1, S028888-CCV1

V-05

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

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

S028888-CCV1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**1,4-Dioxane**

B215949-BS1, B215949-BSD1, S028888-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**

18J1160-02[CELL 3], 18J1160-03[CELL 2], 18J1160-04[CELL 1], 18J1160-06[POLISHING POND INFLUENT], 18J1160-07[POLISHING POND EFFLUENT], 18J1160-09[GFFC 2], 18J1160-11[GFFC 3], 18J1160-13[UNNAMED POND], 18J1160-15[GFFC 1], 18J1160-16[DUP-2], B215664-BLK1, B215664-BS1, B215664-BSD1, B215720-BLK1, B215720-BS1, B215720-BSD1, S028705-CCV1, S028752-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**

B215949-BS1, B215949-BSD1, S028888-CCV1

V-36

Initial calibration verification (ICV) 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:**1,4-Dioxane**

B215664-BS1, B215664-BSD1, B215720-BS1, B215720-BSD1, S028705-CCV1, S028752-CCV1

Carbon Disulfide

B215949-BS1, B215949-BSD1, S028888-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 Worthington", is written over a light pink rectangular background.

Lisa A. Worthington
Project Manager

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: Field Blank 1

Sampled: 10/22/2018 08:30

Sample ID: 18J1160-01

Sample Matrix: Field Blank

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
Bromomethane	ND	2.0	0.94	µg/L	1	R-05	SW-846 8260C	10/30/18	10/31/18 10:06	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
Methyl Acetate	ND	1.0	0.42	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
Toluene	0.71	1.0	0.17	µg/L	1	J	SW-846 8260C	10/30/18	10/31/18 10:06	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: Field Blank 1

Sampled: 10/22/2018 08:30

Sample ID: 18J1160-01

Sample Matrix: Field Blank

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
m+p Xylene	0.46	2.0	0.26	µg/L	1	J	SW-846 8260C	10/30/18	10/31/18 10:06	LBD
o-Xylene	0.21	1.0	0.13	µg/L	1	J	SW-846 8260C	10/30/18	10/31/18 10:06	LBD
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:06	LBD
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	101		70-130				10/31/18 10:06			
Toluene-d8	99.4		70-130				10/31/18 10:06			
4-Bromofluorobenzene	101		70-130				10/31/18 10:06			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: Field Blank 1

Sampled: 10/22/2018 08:30

Sample ID: 18J1160-01

Sample Matrix: Field Blank

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 19:37	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 19:37	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 19:37	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 19:37	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 19:37	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 19:37	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 19:37	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 19:37	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 19:37	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.2	30-150						10/30/18 19:37	
Decachlorobiphenyl [2]	99.5	30-150						10/30/18 19:37	
Tetrachloro-m-xylene [1]	88.0	30-150						10/30/18 19:37	
Tetrachloro-m-xylene [2]	95.6	30-150						10/30/18 19:37	

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: Field Blank 1

Sampled: 10/22/2018 08:30

Sample ID: 18J1160-01

Sample Matrix: Field Blank

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:51	QNW
Antimony	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:51	QNW
Arsenic	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:51	QNW
Barium	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:51	QNW
Beryllium	ND	0.0040		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:51	QNW
Cadmium	ND	0.0040		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:51	QNW
Calcium	ND	0.15		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:51	QNW
Chromium	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:51	QNW
Cobalt	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:51	QNW
Copper	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:51	QNW
Iron	ND	0.050		mg/L	1		SW-846 6010D	10/29/18	10/30/18 16:11	QNW
Lead	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:51	QNW
Magnesium	ND	0.15		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:51	QNW
Manganese	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:51	QNW
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	10/30/18	10/31/18 15:05	EJB
Nickel	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:51	QNW
Potassium	ND	2.0		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:51	QNW
Selenium	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:51	QNW
Silver	ND	0.0050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:51	QNW
Sodium	ND	2.0		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:51	QNW
Thallium	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:51	QNW
Vanadium	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:51	QNW
Zinc	ND	0.020		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:51	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: Field Blank 1

Sampled: 10/22/2018 08:30

Sample ID: 18J1160-01

Sample Matrix: Field Blank

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	1.2	mg/L	1		SM21-22 2540D	10/26/18	10/26/18 16:40	LL

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Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: Field Blank 1

Sampled: 10/22/2018 08:30

Sample ID: 18J1160-01

Sample Matrix: Field Blank

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	ND	10	mg/L	1		SM21-22 2540C	10/29/18	10/29/18 8:30	LL

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Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: CELL 3

Sampled: 10/22/2018 11:10

Sample ID: 18J1160-02

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	0.14	0.032	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Acrylonitrile	ND	0.0082	0.0034	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0014	0.00095	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Benzene	ND	0.0027	0.00095	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Bromobenzene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Bromochloromethane	ND	0.0027	0.0019	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Bromodichloromethane	ND	0.0027	0.00082	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Bromoform	ND	0.0027	0.0019	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Bromomethane	ND	0.014	0.0057	mg/Kg dry	1	V-34	SW-846 8260C	10/25/18	10/25/18 12:41	MFF
2-Butanone (MEK)	ND	0.054	0.024	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
tert-Butyl Alcohol (TBA)	ND	0.054	0.028	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
n-Butylbenzene	ND	0.0027	0.00095	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
sec-Butylbenzene	ND	0.0027	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
tert-Butylbenzene	ND	0.0027	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0014	0.00082	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Carbon Disulfide	ND	0.0082	0.0059	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Carbon Tetrachloride	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Chlorobenzene	ND	0.0027	0.00095	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Chlorodibromomethane	ND	0.0014	0.00095	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Chloroethane	ND	0.027	0.0020	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Chloroform	ND	0.0054	0.00095	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Chloromethane	ND	0.014	0.0087	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
2-Chlorotoluene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
4-Chlorotoluene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0027	0.0015	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Dibromomethane	ND	0.0027	0.00082	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
1,2-Dichlorobenzene	ND	0.0027	0.00095	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
1,3-Dichlorobenzene	ND	0.0027	0.00095	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
1,4-Dichlorobenzene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
trans-1,4-Dichloro-2-butene	ND	0.0054	0.0029	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.027	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
1,1-Dichloroethane	ND	0.0027	0.00095	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
1,2-Dichloroethane	ND	0.0027	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
1,1-Dichloroethylene	ND	0.0054	0.0015	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
cis-1,2-Dichloroethylene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
trans-1,2-Dichloroethylene	ND	0.0027	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
1,2-Dichloropropane	ND	0.0027	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
1,3-Dichloropropane	ND	0.0014	0.00095	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
2,2-Dichloropropane	ND	0.0027	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
1,1-Dichloropropene	ND	0.0027	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
cis-1,3-Dichloropropene	ND	0.0014	0.00095	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
trans-1,3-Dichloropropene	ND	0.0014	0.00095	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Diethyl Ether	ND	0.027	0.0025	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: CELL 3

Sampled: 10/22/2018 11:10

Sample ID: 18J1160-02

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	0.0014	0.00082	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
1,4-Dioxane	ND	0.14	0.078	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Ethylbenzene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Hexachlorobutadiene	ND	0.0027	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
2-Hexanone (MBK)	ND	0.027	0.015	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Isopropylbenzene (Cumene)	ND	0.0027	0.00095	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Methyl Acetate	ND	0.0027	0.0022	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0054	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Methyl Cyclohexane	ND	0.0027	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Methylene Chloride	ND	0.027	0.0097	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.027	0.010	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Naphthalene	ND	0.0054	0.00095	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
n-Propylbenzene	ND	0.0027	0.00095	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Styrene	ND	0.0027	0.00082	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
1,1,1,2-Tetrachloroethane	ND	0.0027	0.0025	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
1,1,2,2-Tetrachloroethane	ND	0.0027	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Tetrachloroethylene	ND	0.0027	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Tetrahydrofuran	ND	0.014	0.0030	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Toluene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
1,2,3-Trichlorobenzene	ND	0.0027	0.00082	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
1,2,4-Trichlorobenzene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
1,3,5-Trichlorobenzene	ND	0.0027	0.00095	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
1,1,1-Trichloroethane	ND	0.0027	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
1,1,2-Trichloroethane	ND	0.0027	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Trichloroethylene	ND	0.0027	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Trichlorofluoromethane (Freon 11)	ND	0.014	0.0015	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
1,2,3-Trichloropropane	ND	0.0027	0.0015	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.014	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
1,2,4-Trimethylbenzene	ND	0.0027	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
1,3,5-Trimethylbenzene	ND	0.0027	0.00082	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Vinyl Chloride	ND	0.014	0.0015	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
m+p Xylene	ND	0.0054	0.0023	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
o-Xylene	ND	0.0027	0.00095	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:41	MFF
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	101	70-130				10/25/18 12:41				
Toluene-d8	94.8	70-130				10/25/18 12:41				
4-Bromofluorobenzene	93.8	70-130				10/25/18 12:41				

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: CELL 3

Sampled: 10/22/2018 11:10

Sample ID: 18J1160-02

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:08	JMB
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:08	JMB
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:08	JMB
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:08	JMB
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:08	JMB
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:08	JMB
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:08	JMB
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:08	JMB
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:08	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	68.2	30-150							
Decachlorobiphenyl [2]	67.2	30-150							
Tetrachloro-m-xylene [1]	70.6	30-150							
Tetrachloro-m-xylene [2]	72.2	30-150							

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: CELL 3

Sampled: 10/22/2018 11:10

Sample ID: 18J1160-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	410	1.8		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:20	QNW
Antimony	ND	1.8		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:20	QNW
Arsenic	ND	1.8		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:20	QNW
Barium	4.7	1.8		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:20	QNW
Beryllium	ND	0.18		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:20	QNW
Cadmium	ND	0.18		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:20	QNW
Calcium	8800	5.3		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:20	QNW
Chromium	1.0	0.36		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:20	QNW
Cobalt	ND	1.8		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:20	QNW
Copper	2.6	0.36		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:20	QNW
Iron	1300	1.8		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:20	QNW
Lead	1.5	0.53		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:20	QNW
Magnesium	2700	53		mg/Kg dry	10		SW-846 6010D	10/25/18	10/29/18 15:55	QNW
Manganese	49	0.36		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:20	QNW
Mercury	ND	0.026		mg/Kg dry	1		SW-846 7471B	10/26/18	10/26/18 13:02	EJB
Nickel	1.5	0.36		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:20	QNW
Potassium	120	71		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:20	QNW
Selenium	ND	3.6	3.0	mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:20	QNW
Silver	ND	0.36		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:20	QNW
Sodium	82	71		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:20	QNW
Thallium	ND	1.8		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:20	QNW
Vanadium	1.2	0.71		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:20	QNW
Zinc	9.6	0.71		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:20	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: CELL 3

Sampled: 10/22/2018 11:10

Sample ID: 18J1160-02

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	94.6		% Wt	1		SM 2540G	10/29/18	10/30/18 10:40	JFC

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: CELL 2

Sampled: 10/22/2018 11:45

Sample ID: 18J1160-03

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	0.20	0.046	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Acrylonitrile	ND	0.012	0.0050	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0020	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Benzene	ND	0.0040	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Bromobenzene	ND	0.0040	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Bromochloromethane	ND	0.0040	0.0028	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Bromodichloromethane	ND	0.0040	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Bromoform	ND	0.0040	0.0028	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Bromomethane	ND	0.020	0.0083	mg/Kg dry	1	V-34	SW-846 8260C	10/25/18	10/25/18 13:08	MFF
2-Butanone (MEK)	ND	0.079	0.035	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
tert-Butyl Alcohol (TBA)	ND	0.079	0.041	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
n-Butylbenzene	ND	0.0040	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
sec-Butylbenzene	ND	0.0040	0.0020	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
tert-Butylbenzene	ND	0.0040	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0020	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Carbon Disulfide	ND	0.012	0.0085	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Carbon Tetrachloride	ND	0.0040	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Chlorobenzene	ND	0.0040	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Chlorodibromomethane	ND	0.0020	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Chloroethane	ND	0.040	0.0030	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Chloroform	ND	0.0079	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Chloromethane	ND	0.020	0.013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
2-Chlorotoluene	ND	0.0040	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
4-Chlorotoluene	ND	0.0040	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0040	0.0022	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
1,2-Dibromoethane (EDB)	ND	0.0020	0.0020	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Dibromomethane	ND	0.0040	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
1,2-Dichlorobenzene	ND	0.0040	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
1,3-Dichlorobenzene	ND	0.0040	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
1,4-Dichlorobenzene	ND	0.0040	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
trans-1,4-Dichloro-2-butene	ND	0.0079	0.0042	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.040	0.0026	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
1,1-Dichloroethane	ND	0.0040	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
1,2-Dichloroethane	ND	0.0040	0.0026	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
1,1-Dichloroethylene	ND	0.0079	0.0022	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
cis-1,2-Dichloroethylene	ND	0.0040	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
trans-1,2-Dichloroethylene	ND	0.0040	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
1,2-Dichloropropane	ND	0.0040	0.0026	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
1,3-Dichloropropane	ND	0.0020	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
2,2-Dichloropropane	ND	0.0040	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
1,1-Dichloropropene	ND	0.0040	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
cis-1,3-Dichloropropene	ND	0.0020	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
trans-1,3-Dichloropropene	ND	0.0020	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Diethyl Ether	ND	0.040	0.0036	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF

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Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: CELL 2

Sampled: 10/22/2018 11:45

Sample ID: 18J1160-03

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	0.0020	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
1,4-Dioxane	ND	0.20	0.11	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Ethylbenzene	ND	0.0040	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Hexachlorobutadiene	ND	0.0040	0.0020	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
2-Hexanone (MBK)	ND	0.040	0.022	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Isopropylbenzene (Cumene)	ND	0.0040	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0040	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Methyl Acetate	0.0042	0.0040	0.0032	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0079	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Methyl Cyclohexane	ND	0.0040	0.0020	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Methylene Chloride	0.015	0.040	0.014	mg/Kg dry	1	J	SW-846 8260C	10/25/18	10/25/18 13:08	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.040	0.015	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Naphthalene	ND	0.0079	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
n-Propylbenzene	ND	0.0040	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Styrene	ND	0.0040	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
1,1,1,2-Tetrachloroethane	ND	0.0040	0.0036	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
1,1,2,2-Tetrachloroethane	ND	0.0040	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Tetrachloroethylene	ND	0.0040	0.0026	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Tetrahydrofuran	ND	0.020	0.0044	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Toluene	ND	0.0040	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
1,2,3-Trichlorobenzene	ND	0.0040	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
1,2,4-Trichlorobenzene	ND	0.0040	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
1,3,5-Trichlorobenzene	ND	0.0040	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
1,1,1-Trichloroethane	ND	0.0040	0.0020	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
1,1,2-Trichloroethane	ND	0.0040	0.0024	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Trichloroethylene	ND	0.0040	0.0020	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Trichlorofluoromethane (Freon 11)	ND	0.020	0.0022	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
1,2,3-Trichloropropane	ND	0.0040	0.0022	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.020	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
1,2,4-Trimethylbenzene	ND	0.0040	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
1,3,5-Trimethylbenzene	ND	0.0040	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Vinyl Chloride	ND	0.020	0.0022	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
m+p Xylene	ND	0.0079	0.0034	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
o-Xylene	ND	0.0040	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:08	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	102		70-130				10/25/18 13:08			
Toluene-d8	94.8		70-130				10/25/18 13:08			
4-Bromofluorobenzene	97.0		70-130				10/25/18 13:08			

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Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: CELL 2

Sampled: 10/22/2018 11:45

Sample ID: 18J1160-03

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:26	JMB
Aroclor-1221 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:26	JMB
Aroclor-1232 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:26	JMB
Aroclor-1242 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:26	JMB
Aroclor-1248 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:26	JMB
Aroclor-1254 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:26	JMB
Aroclor-1260 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:26	JMB
Aroclor-1262 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:26	JMB
Aroclor-1268 [1]	ND	0.18	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:26	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	56.9	30-150							
Decachlorobiphenyl [2]	55.4	30-150							
Tetrachloro-m-xylene [1]	68.1	30-150							
Tetrachloro-m-xylene [2]	69.7	30-150							

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Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: CELL 2

Sampled: 10/22/2018 11:45

Sample ID: 18J1160-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	22000	3.9		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:26	QNW
Antimony	ND	3.9		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:26	QNW
Arsenic	6.8	3.9		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:26	QNW
Barium	160	3.9		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:26	QNW
Beryllium	1.1	0.39		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:26	QNW
Cadmium	ND	0.39		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:26	QNW
Calcium	18000	12		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:26	QNW
Chromium	31	0.78		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:26	QNW
Cobalt	8.1	3.9		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:26	QNW
Copper	30	0.78		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:26	QNW
Iron	18000	3.9		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:26	QNW
Lead	14	1.2		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:26	QNW
Magnesium	9000	58		mg/Kg dry	5		SW-846 6010D	10/25/18	10/29/18 18:44	QNW
Manganese	310	0.78		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:26	QNW
Mercury	ND	0.057		mg/Kg dry	1		SW-846 7471B	10/26/18	10/26/18 13:03	EJB
Nickel	23	0.78		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:26	QNW
Potassium	2000	160		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:26	QNW
Selenium	ND	7.8	6.4	mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:26	QNW
Silver	ND	0.78		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:26	QNW
Sodium	250	160		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:26	QNW
Thallium	ND	3.9		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:26	QNW
Vanadium	36	1.6		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:26	QNW
Zinc	58	1.6		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:26	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Sampled: 10/22/2018 11:45

Field Sample #: CELL 2

Sample ID: 18J1160-03

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	42.7		% Wt	1		SM 2540G	10/29/18	10/30/18 10:40	JFC

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: CELL 1

Sampled: 10/22/2018 13:00

Sample ID: 18J1160-04

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	0.10	0.023	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Acrylonitrile	ND	0.0060	0.0025	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0010	0.00070	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Benzene	ND	0.0020	0.00070	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Bromobenzene	ND	0.0020	0.00080	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Bromochloromethane	ND	0.0020	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Bromodichloromethane	ND	0.0020	0.00060	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Bromoform	ND	0.0020	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Bromomethane	ND	0.010	0.0042	mg/Kg dry	1	V-34	SW-846 8260C	10/25/18	10/25/18 11:19	MFF
2-Butanone (MEK)	ND	0.040	0.018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
tert-Butyl Alcohol (TBA)	ND	0.040	0.021	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
n-Butylbenzene	ND	0.0020	0.00070	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
sec-Butylbenzene	ND	0.0020	0.0010	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
tert-Butylbenzene	ND	0.0020	0.00090	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	0.00060	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Carbon Disulfide	ND	0.0060	0.0043	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Carbon Tetrachloride	ND	0.0020	0.00080	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Chlorobenzene	ND	0.0020	0.00070	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Chlorodibromomethane	ND	0.0010	0.00070	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Chloroethane	ND	0.020	0.0015	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Chloroform	ND	0.0040	0.00070	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Chloromethane	ND	0.010	0.0064	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
2-Chlorotoluene	ND	0.0020	0.00080	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
4-Chlorotoluene	ND	0.0020	0.00080	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	0.0010	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Dibromomethane	ND	0.0020	0.00060	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
1,2-Dichlorobenzene	ND	0.0020	0.00070	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
1,3-Dichlorobenzene	ND	0.0020	0.00070	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
1,4-Dichlorobenzene	ND	0.0020	0.00080	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	0.0021	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
1,1-Dichloroethane	ND	0.0020	0.00070	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
1,2-Dichloroethane	ND	0.0020	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
1,1-Dichloroethylene	ND	0.0040	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
cis-1,2-Dichloroethylene	ND	0.0020	0.00080	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
trans-1,2-Dichloroethylene	ND	0.0020	0.00090	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
1,2-Dichloropropane	ND	0.0020	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
1,3-Dichloropropane	ND	0.0010	0.00070	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
2,2-Dichloropropane	ND	0.0020	0.00090	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
1,1-Dichloropropene	ND	0.0020	0.00090	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
cis-1,3-Dichloropropene	ND	0.0010	0.00070	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
trans-1,3-Dichloropropene	ND	0.0010	0.00070	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Diethyl Ether	ND	0.020	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: CELL 1

Sampled: 10/22/2018 13:00

Sample ID: 18J1160-04

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	0.0010	0.00060	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
1,4-Dioxane	ND	0.10	0.058	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Ethylbenzene	ND	0.0020	0.00080	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Hexachlorobutadiene	ND	0.0020	0.0010	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
2-Hexanone (MBK)	ND	0.020	0.011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Isopropylbenzene (Cumene)	ND	0.0020	0.00070	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	0.00080	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Methyl Acetate	0.0063	0.0020	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	0.00090	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Methyl Cyclohexane	ND	0.0020	0.0010	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Methylene Chloride	ND	0.020	0.0071	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	0.0076	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Naphthalene	ND	0.0040	0.00070	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
n-Propylbenzene	ND	0.0020	0.00070	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Styrene	ND	0.0020	0.00060	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
1,1,2,2-Tetrachloroethane	ND	0.0020	0.00090	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Tetrachloroethylene	ND	0.0020	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Tetrahydrofuran	ND	0.010	0.0022	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Toluene	ND	0.0020	0.00080	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
1,2,3-Trichlorobenzene	ND	0.0020	0.00060	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
1,2,4-Trichlorobenzene	ND	0.0020	0.00080	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
1,3,5-Trichlorobenzene	ND	0.0020	0.00070	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
1,1,1-Trichloroethane	ND	0.0020	0.0010	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
1,1,2-Trichloroethane	ND	0.0020	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Trichloroethylene	ND	0.0020	0.0010	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
1,2,3-Trichloropropane	ND	0.0020	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	0.00090	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
1,2,4-Trimethylbenzene	ND	0.0020	0.00080	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
1,3,5-Trimethylbenzene	ND	0.0020	0.00060	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Vinyl Chloride	ND	0.010	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
m+p Xylene	ND	0.0040	0.0017	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
o-Xylene	ND	0.0020	0.00070	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:19	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	104		70-130				10/25/18 11:19			
Toluene-d8	95.2		70-130				10/25/18 11:19			
4-Bromofluorobenzene	95.8		70-130				10/25/18 11:19			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: CELL 1

Sampled: 10/22/2018 13:00

Sample ID: 18J1160-04

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:43	JMB
Aroclor-1221 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:43	JMB
Aroclor-1232 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:43	JMB
Aroclor-1242 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:43	JMB
Aroclor-1248 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:43	JMB
Aroclor-1254 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:43	JMB
Aroclor-1260 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:43	JMB
Aroclor-1262 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:43	JMB
Aroclor-1268 [1]	ND	0.079	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 16:43	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	85.9	30-150							
Decachlorobiphenyl [2]	84.5	30-150							
Tetrachloro-m-xylene [1]	83.1	30-150							
Tetrachloro-m-xylene [2]	84.3	30-150							

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: CELL 1

Sampled: 10/22/2018 13:00

Sample ID: 18J1160-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	1700	1.7		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:32	QNW
Antimony	ND	1.7		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:32	QNW
Arsenic	1.8	1.7		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:32	QNW
Barium	9.6	1.7		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:32	QNW
Beryllium	0.21	0.17		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:32	QNW
Cadmium	ND	0.17		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:32	QNW
Calcium	86000	51		mg/Kg dry	10		SW-846 6010D	10/25/18	10/29/18 16:01	QNW
Chromium	2.8	0.34		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:32	QNW
Cobalt	ND	1.7		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:32	QNW
Copper	2.9	0.34		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:32	QNW
Iron	5600	1.7		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:32	QNW
Lead	1.3	0.51		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:32	QNW
Magnesium	23000	51		mg/Kg dry	10		SW-846 6010D	10/25/18	10/29/18 16:01	QNW
Manganese	130	0.34		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:32	QNW
Mercury	ND	0.027		mg/Kg dry	1		SW-846 7471B	10/26/18	10/26/18 13:09	EJB
Nickel	3.4	0.34		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:32	QNW
Potassium	330	68		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:32	QNW
Selenium	ND	3.4	2.8	mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:32	QNW
Silver	0.57	0.34		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:32	QNW
Sodium	ND	68		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:32	QNW
Thallium	ND	1.7		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:32	QNW
Vanadium	7.0	0.68		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:32	QNW
Zinc	12	0.68		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:32	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: CELL 1

Sampled: 10/22/2018 13:00

Sample ID: 18J1160-04

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	95.7		% Wt	1		SM 2540G	10/29/18	10/30/18 10:41	JFC

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: POLISHING POND INFLUENT Sampled: 10/22/2018 13:20

Sample ID: 18J1160-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
Bromomethane	ND	2.0	0.94	µg/L	1	R-05	SW-846 8260C	10/30/18	10/31/18 14:43	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
Methyl Acetate	ND	1.0	0.42	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: POLISHING POND INFLUENT Sampled: 10/22/2018 13:20

Sample ID: 18J1160-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	10/30/18	10/31/18 14:43	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	102	70-130	
Toluene-d8	99.8	70-130	
4-Bromofluorobenzene	102	70-130	

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: POLISHING POND INFLUENT Sampled: 10/22/2018 13:20

Sample ID: 18J1160-05

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 19:55	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 19:55	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 19:55	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 19:55	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 19:55	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 19:55	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 19:55	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 19:55	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 19:55	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	78.7	30-150						10/30/18 19:55	
Decachlorobiphenyl [2]	90.3	30-150						10/30/18 19:55	
Tetrachloro-m-xylene [1]	81.9	30-150						10/30/18 19:55	
Tetrachloro-m-xylene [2]	88.9	30-150						10/30/18 19:55	

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: POLISHING POND INFLUENT Sampled: 10/22/2018 13:20

Sample ID: 18J1160-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.63	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:57	QNW
Antimony	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:57	QNW
Arsenic	0.028	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:57	QNW
Barium	0.16	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:57	QNW
Beryllium	ND	0.0040		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:57	QNW
Cadmium	ND	0.0040		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:57	QNW
Calcium	110	0.15		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:57	QNW
Chromium	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:57	QNW
Cobalt	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:57	QNW
Copper	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:57	QNW
Iron	64	0.050		mg/L	1		SW-846 6010D	10/29/18	10/30/18 16:17	QNW
Lead	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:57	QNW
Magnesium	21	0.15		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:57	QNW
Manganese	2.2	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:57	QNW
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	10/30/18	10/31/18 15:07	EJB
Nickel	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:57	QNW
Potassium	4.5	2.0		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:57	QNW
Selenium	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:57	QNW
Silver	ND	0.0050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:57	QNW
Sodium	49	2.0		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:57	QNW
Thallium	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:57	QNW
Vanadium	0.019	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:57	QNW
Zinc	0.023	0.020		mg/L	1		SW-846 6010D	10/25/18	10/26/18 15:57	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: POLISHING POND INFLUENT

Sampled: 10/22/2018 13:20

Sample ID: 18J1160-05

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	190	4.2	mg/L	1		SM21-22 2540D	10/26/18	10/26/18 16:40	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: POLISHING POND INFLUENT

Sampled: 10/22/2018 13:20

Sample ID: 18J1160-05

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	430	10	mg/L	1		SM21-22 2540C	10/29/18	10/29/18 8:30	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: POLISHING POND INFLUENT Sampled: 10/22/2018 13:20

Sample ID: 18J1160-06

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	0.060	0.14	0.033	mg/Kg dry	1	J	SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Acrylonitrile	ND	0.0085	0.0035	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0014	0.00099	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Benzene	ND	0.0028	0.00099	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Bromobenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Bromochloromethane	ND	0.0028	0.0020	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Bromodichloromethane	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Bromoform	ND	0.0028	0.0020	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Bromomethane	ND	0.014	0.0060	mg/Kg dry	1	V-34	SW-846 8260C	10/25/18	10/25/18 11:46	MFF
2-Butanone (MEK)	ND	0.057	0.025	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
tert-Butyl Alcohol (TBA)	ND	0.057	0.030	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
n-Butylbenzene	ND	0.0028	0.00099	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
sec-Butylbenzene	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
tert-Butylbenzene	ND	0.0028	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0014	0.00085	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Carbon Disulfide	ND	0.0085	0.0061	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Carbon Tetrachloride	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Chlorobenzene	ND	0.0028	0.00099	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Chlorodibromomethane	ND	0.0014	0.00099	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Chloroethane	ND	0.028	0.0021	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Chloroform	ND	0.0057	0.00099	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Chloromethane	ND	0.014	0.0091	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
2-Chlorotoluene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
4-Chlorotoluene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0028	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Dibromomethane	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
1,2-Dichlorobenzene	ND	0.0028	0.00099	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
1,3-Dichlorobenzene	ND	0.0028	0.00099	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
1,4-Dichlorobenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
trans-1,4-Dichloro-2-butene	ND	0.0057	0.0030	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.028	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
1,1-Dichloroethane	ND	0.0028	0.00099	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
1,2-Dichloroethane	ND	0.0028	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
1,1-Dichloroethylene	ND	0.0057	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
cis-1,2-Dichloroethylene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
trans-1,2-Dichloroethylene	ND	0.0028	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
1,2-Dichloropropane	ND	0.0028	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
1,3-Dichloropropane	ND	0.0014	0.00099	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
2,2-Dichloropropane	ND	0.0028	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
1,1-Dichloropropene	ND	0.0028	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
cis-1,3-Dichloropropene	ND	0.0014	0.00099	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
trans-1,3-Dichloropropene	ND	0.0014	0.00099	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Diethyl Ether	ND	0.028	0.0026	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: POLISHING POND INFLUENT Sampled: 10/22/2018 13:20

Sample ID: 18J1160-06

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	0.0014	0.00085	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
1,4-Dioxane	ND	0.14	0.082	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Ethylbenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Hexachlorobutadiene	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
2-Hexanone (MBK)	ND	0.028	0.015	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Isopropylbenzene (Cumene)	ND	0.0028	0.00099	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Methyl Acetate	ND	0.0028	0.0023	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0057	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Methyl Cyclohexane	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Methylene Chloride	ND	0.028	0.010	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.028	0.011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Naphthalene	ND	0.0057	0.00099	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
n-Propylbenzene	ND	0.0028	0.00099	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Styrene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
1,1,1,2-Tetrachloroethane	ND	0.0028	0.0026	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
1,1,2,2-Tetrachloroethane	ND	0.0028	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Tetrachloroethylene	ND	0.0028	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Tetrahydrofuran	ND	0.014	0.0031	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Toluene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
1,2,3-Trichlorobenzene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
1,2,4-Trichlorobenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
1,3,5-Trichlorobenzene	ND	0.0028	0.00099	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
1,1,1-Trichloroethane	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
1,1,2-Trichloroethane	ND	0.0028	0.0017	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Trichloroethylene	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Trichlorofluoromethane (Freon 11)	ND	0.014	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
1,2,3-Trichloropropane	ND	0.0028	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.014	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
1,2,4-Trimethylbenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
1,3,5-Trimethylbenzene	ND	0.0028	0.00085	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Vinyl Chloride	ND	0.014	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
m+p Xylene	ND	0.0057	0.0024	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
o-Xylene	ND	0.0028	0.00099	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 11:46	MFF
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	105	70-130				10/25/18 11:46				
Toluene-d8	95.7	70-130				10/25/18 11:46				
4-Bromofluorobenzene	97.0	70-130				10/25/18 11:46				

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: POLISHING POND INFLUENT Sampled: 10/22/2018 13:20

Sample ID: 18J1160-06

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:01	JMB
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:01	JMB
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:01	JMB
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:01	JMB
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:01	JMB
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:01	JMB
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:01	JMB
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:01	JMB
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:01	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	74.1	30-150						10/31/18 17:01	
Decachlorobiphenyl [2]	72.0	30-150						10/31/18 17:01	
Tetrachloro-m-xylene [1]	71.7	30-150						10/31/18 17:01	
Tetrachloro-m-xylene [2]	73.1	30-150						10/31/18 17:01	

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: POLISHING POND INFLUENT Sampled: 10/22/2018 13:20

Sample ID: 18J1160-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	24000	2.8		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:39	QNW
Antimony	ND	2.8		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:39	QNW
Arsenic	6.6	2.8		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:39	QNW
Barium	220	2.8		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:39	QNW
Beryllium	1.1	0.28		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:39	QNW
Cadmium	ND	0.28		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:39	QNW
Calcium	27000	8.4		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:39	QNW
Chromium	43	0.56		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:39	QNW
Cobalt	19	2.8		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:39	QNW
Copper	32	0.56		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:39	QNW
Iron	43000	28		mg/Kg dry	10		SW-846 6010D	10/25/18	10/29/18 16:07	QNW
Lead	14	0.84		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:39	QNW
Magnesium	12000	84		mg/Kg dry	10		SW-846 6010D	10/25/18	10/29/18 16:07	QNW
Manganese	850	0.56		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:39	QNW
Mercury	ND	0.039		mg/Kg dry	1		SW-846 7471B	10/26/18	10/26/18 13:11	EJB
Nickel	41	0.56		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:39	QNW
Potassium	4400	110		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:39	QNW
Selenium	ND	5.6	4.6	mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:39	QNW
Silver	ND	0.56		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:39	QNW
Sodium	340	110		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:39	QNW
Thallium	ND	2.8		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:39	QNW
Vanadium	48	1.1		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:39	QNW
Zinc	84	1.1		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:39	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: POLISHING POND INFLUENT

Sampled: 10/22/2018 13:20

Sample ID: 18J1160-06

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	60.7		% Wt	1		SM 2540G	10/29/18	10/30/18 10:41	JFC

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: POLISHING POND EFFLUENT Sampled: 10/22/2018 14:20

Sample ID: 18J1160-07

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	0.13	0.029	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Acrylonitrile	ND	0.0075	0.0031	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0013	0.00088	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Benzene	ND	0.0025	0.00088	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Bromobenzene	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Bromochloromethane	ND	0.0025	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Bromodichloromethane	ND	0.0025	0.00075	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Bromoform	ND	0.0025	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Bromomethane	ND	0.013	0.0053	mg/Kg dry	1	V-34	SW-846 8260C	10/25/18	10/25/18 12:14	MFF
2-Butanone (MEK)	ND	0.050	0.022	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
tert-Butyl Alcohol (TBA)	ND	0.050	0.026	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
n-Butylbenzene	ND	0.0025	0.00088	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
sec-Butylbenzene	ND	0.0025	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
tert-Butylbenzene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0013	0.00075	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Carbon Disulfide	ND	0.0075	0.0054	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Carbon Tetrachloride	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Chlorobenzene	ND	0.0025	0.00088	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Chlorodibromomethane	ND	0.0013	0.00088	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Chloroethane	ND	0.025	0.0019	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Chloroform	ND	0.0050	0.00088	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Chloromethane	ND	0.013	0.0080	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
2-Chlorotoluene	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
4-Chlorotoluene	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0025	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Dibromomethane	ND	0.0025	0.00075	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
1,2-Dichlorobenzene	ND	0.0025	0.00088	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
1,3-Dichlorobenzene	ND	0.0025	0.00088	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
1,4-Dichlorobenzene	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
trans-1,4-Dichloro-2-butene	ND	0.0050	0.0026	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.025	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
1,1-Dichloroethane	ND	0.0025	0.00088	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
1,2-Dichloroethane	ND	0.0025	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
1,1-Dichloroethylene	ND	0.0050	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
cis-1,2-Dichloroethylene	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
trans-1,2-Dichloroethylene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
1,2-Dichloropropane	ND	0.0025	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
1,3-Dichloropropane	ND	0.0013	0.00088	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
2,2-Dichloropropane	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
1,1-Dichloropropene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
cis-1,3-Dichloropropene	ND	0.0013	0.00088	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
trans-1,3-Dichloropropene	ND	0.0013	0.00088	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Diethyl Ether	ND	0.025	0.0023	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: POLISHING POND EFFLUENT Sampled: 10/22/2018 14:20

Sample ID: 18J1160-07

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	0.0013	0.00075	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
1,4-Dioxane	ND	0.13	0.072	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Ethylbenzene	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Hexachlorobutadiene	ND	0.0025	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
2-Hexanone (MBK)	ND	0.025	0.014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Isopropylbenzene (Cumene)	ND	0.0025	0.00088	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Methyl Acetate	0.0089	0.0025	0.0020	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0050	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Methyl Cyclohexane	ND	0.0025	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Methylene Chloride	ND	0.025	0.0089	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.025	0.0096	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Naphthalene	ND	0.0050	0.00088	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
n-Propylbenzene	ND	0.0025	0.00088	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Styrene	ND	0.0025	0.00075	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
1,1,1,2-Tetrachloroethane	ND	0.0025	0.0023	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
1,1,2,2-Tetrachloroethane	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Tetrachloroethylene	ND	0.0025	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Tetrahydrofuran	ND	0.013	0.0028	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Toluene	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
1,2,3-Trichlorobenzene	ND	0.0025	0.00075	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
1,2,4-Trichlorobenzene	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
1,3,5-Trichlorobenzene	ND	0.0025	0.00088	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
1,1,1-Trichloroethane	ND	0.0025	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
1,1,2-Trichloroethane	ND	0.0025	0.0015	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Trichloroethylene	ND	0.0025	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
1,2,3-Trichloropropane	ND	0.0025	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.013	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
1,2,4-Trimethylbenzene	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
1,3,5-Trimethylbenzene	ND	0.0025	0.00075	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Vinyl Chloride	ND	0.013	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
m+p Xylene	ND	0.0050	0.0021	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
o-Xylene	ND	0.0025	0.00088	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 12:14	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	105		70-130				10/25/18 12:14			
Toluene-d8	95.0		70-130				10/25/18 12:14			
4-Bromofluorobenzene	96.4		70-130				10/25/18 12:14			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: POLISHING POND EFFLUENT Sampled: 10/22/2018 14:20

Sample ID: 18J1160-07

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:19	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:19	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:19	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:19	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:19	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:19	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:19	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:19	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:19	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	76.0	30-150							
Decachlorobiphenyl [2]	74.9	30-150							
Tetrachloro-m-xylene [1]	73.3	30-150							
Tetrachloro-m-xylene [2]	74.8	30-150							

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: POLISHING POND EFFLUENT Sampled: 10/22/2018 14:20

Sample ID: 18J1160-07

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	8800	2.2		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:44	QNW
Antimony	ND	2.2		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:44	QNW
Arsenic	ND	2.2		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:44	QNW
Barium	58	2.2		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:44	QNW
Beryllium	0.42	0.22		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:44	QNW
Cadmium	ND	0.22		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:44	QNW
Calcium	2800	6.7		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:44	QNW
Chromium	12	0.45		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:44	QNW
Cobalt	6.0	2.2		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:44	QNW
Copper	8.3	0.45		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:44	QNW
Iron	13000	2.2		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:44	QNW
Lead	4.0	0.67		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:44	QNW
Magnesium	2300	6.7		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:44	QNW
Manganese	160	0.45		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:44	QNW
Mercury	ND	0.035		mg/Kg dry	1		SW-846 7471B	10/26/18	10/26/18 13:12	EJB
Nickel	11	0.45		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:44	QNW
Potassium	1100	89		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:44	QNW
Selenium	ND	4.5	3.7	mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:44	QNW
Silver	ND	0.45		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:44	QNW
Sodium	130	89		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:44	QNW
Thallium	ND	2.2		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:44	QNW
Vanadium	19	0.89		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:44	QNW
Zinc	32	0.89		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 14:44	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: POLISHING POND EFFLUENT Sampled: 10/22/2018 14:20

Sample ID: 18J1160-07

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	74.0		% Wt	1		SM 2540G	10/29/18	10/30/18 10:41	JFC

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 2

Sampled: 10/22/2018 14:45

Sample ID: 18J1160-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
Bromomethane	ND	2.0	0.94	µg/L	1	R-05	SW-846 8260C	10/30/18	10/31/18 15:14	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
Methyl Acetate	ND	1.0	0.42	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 2

Sampled: 10/22/2018 14:45

Sample ID: 18J1160-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:14	LBD
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	101		70-130				10/31/18 15:14			
Toluene-d8	99.3		70-130				10/31/18 15:14			
4-Bromofluorobenzene	100		70-130				10/31/18 15:14			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 2

Sampled: 10/22/2018 14:45

Sample ID: 18J1160-08

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:13	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:13	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:13	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:13	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:13	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:13	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:13	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:13	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:13	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	81.7	30-150							
Decachlorobiphenyl [2]	92.5	30-150							
Tetrachloro-m-xylene [1]	71.6	30-150							
Tetrachloro-m-xylene [2]	78.2	30-150							

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 2

Sampled: 10/22/2018 14:45

Sample ID: 18J1160-08

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	5.1	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:02	QNW
Antimony	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:02	QNW
Arsenic	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:02	QNW
Barium	0.14	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:02	QNW
Beryllium	ND	0.0040		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:02	QNW
Cadmium	ND	0.0040		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:02	QNW
Calcium	98	0.15		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:02	QNW
Chromium	0.012	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:02	QNW
Cobalt	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:02	QNW
Copper	0.013	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:02	QNW
Iron	23	0.050		mg/L	1		SW-846 6010D	10/29/18	10/30/18 16:22	QNW
Lead	0.027	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:02	QNW
Magnesium	24	0.15		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:02	QNW
Manganese	5.0	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:02	QNW
Mercury	0.00011	0.00010		mg/L	1		SW-846 7470A	10/30/18	10/31/18 15:08	EJB
Nickel	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:02	QNW
Potassium	4.8	2.0		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:02	QNW
Selenium	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:02	QNW
Silver	ND	0.0050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:02	QNW
Sodium	40	2.0		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:02	QNW
Thallium	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:02	QNW
Vanadium	0.017	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:02	QNW
Zinc	0.092	0.020		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:02	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Sampled: 10/22/2018 14:45

Field Sample #: GFFC 2

Sample ID: 18J1160-08

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	230	4.5	mg/L	1		SM21-22 2540D	10/29/18	10/29/18 10:00	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 2

Sampled: 10/22/2018 14:45

Sample ID: 18J1160-08

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	440	10	mg/L	1		SM21-22 2540C	10/29/18	10/29/18 8:30	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 2

Sampled: 10/22/2018 14:45

Sample ID: 18J1160-09

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	ND	0.12	0.028	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Acrylonitrile	ND	0.0072	0.0030	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00084	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Benzene	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Bromobenzene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Bromochloromethane	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Bromodichloromethane	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Bromoform	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Bromomethane	ND	0.012	0.0050	mg/Kg dry	1	V-34	SW-846 8260C	10/25/18	10/25/18 13:36	MFF
2-Butanone (MEK)	ND	0.048	0.021	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
tert-Butyl Alcohol (TBA)	ND	0.048	0.025	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
n-Butylbenzene	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
sec-Butylbenzene	ND	0.0024	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
tert-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00072	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Carbon Disulfide	ND	0.0072	0.0052	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Carbon Tetrachloride	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Chlorobenzene	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Chlorodibromomethane	ND	0.0012	0.00084	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Chloroethane	ND	0.024	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Chloroform	ND	0.0048	0.00084	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Chloromethane	ND	0.012	0.0077	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
2-Chlorotoluene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
4-Chlorotoluene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Dibromomethane	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
trans-1,4-Dichloro-2-butene	ND	0.0048	0.0025	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
1,1-Dichloroethane	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
1,2-Dichloroethane	ND	0.0024	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
1,1-Dichloroethylene	ND	0.0048	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
cis-1,2-Dichloroethylene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
1,2-Dichloropropane	ND	0.0024	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
1,3-Dichloropropane	ND	0.0012	0.00084	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
2,2-Dichloropropane	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
1,1-Dichloropropene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00084	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00084	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Diethyl Ether	ND	0.024	0.0022	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 2

Sampled: 10/22/2018 14:45

Sample ID: 18J1160-09

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	0.0012	0.00072	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
1,4-Dioxane	ND	0.12	0.069	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Ethylbenzene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Hexachlorobutadiene	ND	0.0024	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
2-Hexanone (MBK)	ND	0.024	0.013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Methyl Acetate	ND	0.0024	0.0019	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0048	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Methyl Cyclohexane	ND	0.0024	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Methylene Chloride	ND	0.024	0.0085	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0091	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Naphthalene	ND	0.0048	0.00084	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
n-Propylbenzene	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Styrene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.0022	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
1,1,2,2-Tetrachloroethane	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Tetrachloroethylene	ND	0.0024	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Tetrahydrofuran	ND	0.012	0.0026	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Toluene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
1,2,3-Trichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
1,1,1-Trichloroethane	ND	0.0024	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
1,1,2-Trichloroethane	ND	0.0024	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Trichloroethylene	ND	0.0024	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Vinyl Chloride	ND	0.012	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
m+p Xylene	ND	0.0048	0.0020	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
o-Xylene	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 13:36	MFF
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	103	70-130				10/25/18 13:36				
Toluene-d8	94.1	70-130				10/25/18 13:36				
4-Bromofluorobenzene	96.0	70-130				10/25/18 13:36				

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 2

Sampled: 10/22/2018 14:45

Sample ID: 18J1160-09

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:36	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:36	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:36	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:36	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:36	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:36	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:36	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:36	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:36	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	65.0	30-150							
Decachlorobiphenyl [2]	63.8	30-150							
Tetrachloro-m-xylene [1]	70.5	30-150							
Tetrachloro-m-xylene [2]	72.3	30-150							

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 2

Sampled: 10/22/2018 14:45

Sample ID: 18J1160-09

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	10000	2.2		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:06	QNW
Antimony	ND	2.2		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:06	QNW
Arsenic	2.3	2.2		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:06	QNW
Barium	100	2.2		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:06	QNW
Beryllium	0.51	0.22		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:06	QNW
Cadmium	ND	0.22		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:06	QNW
Calcium	5100	6.6		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:06	QNW
Chromium	18	0.44		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:06	QNW
Cobalt	8.3	2.2		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:06	QNW
Copper	14	0.44		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:06	QNW
Iron	19000	2.2		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:06	QNW
Lead	13	0.66		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:06	QNW
Magnesium	4800	66		mg/Kg dry	10		SW-846 6010D	10/25/18	10/29/18 16:14	QNW
Manganese	380	0.44		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:06	QNW
Mercury	0.046	0.034		mg/Kg dry	1		SW-846 7471B	10/26/18	10/26/18 13:14	EJB
Nickel	17	0.44		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:06	QNW
Potassium	1800	88		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:06	QNW
Selenium	ND	4.4	3.7	mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:06	QNW
Silver	ND	0.44		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:06	QNW
Sodium	180	88		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:06	QNW
Thallium	ND	2.2		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:06	QNW
Vanadium	19	0.88		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:06	QNW
Zinc	58	0.88		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:06	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 2

Sampled: 10/22/2018 14:45

Sample ID: 18J1160-09

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	71.7		% Wt	1		SM 2540G	10/29/18	10/30/18 10:42	JFC

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 3

Sampled: 10/22/2018 14:55

Sample ID: 18J1160-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
Bromomethane	ND	2.0	0.94	µg/L	1	R-05	SW-846 8260C	10/30/18	10/31/18 15:45	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
Methyl Acetate	ND	1.0	0.42	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 3

Sampled: 10/22/2018 14:55

Sample ID: 18J1160-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	10/30/18	10/31/18 15:45	LBD
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	103		70-130				10/31/18 15:45			
Toluene-d8	102		70-130				10/31/18 15:45			
4-Bromofluorobenzene	101		70-130				10/31/18 15:45			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 3

Sampled: 10/22/2018 14:55

Sample ID: 18J1160-10

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:31	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:31	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:31	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:31	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:31	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:31	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:31	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:31	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:31	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	92.8	30-150							
Decachlorobiphenyl [2]	106	30-150							
Tetrachloro-m-xylene [1]	88.1	30-150							
Tetrachloro-m-xylene [2]	95.2	30-150							

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 3

Sampled: 10/22/2018 14:55

Sample ID: 18J1160-10

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.31	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:07	QNW
Antimony	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:07	QNW
Arsenic	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:07	QNW
Barium	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:07	QNW
Beryllium	ND	0.0040		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:07	QNW
Cadmium	ND	0.0040		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:07	QNW
Calcium	87	0.15		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:07	QNW
Chromium	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:07	QNW
Cobalt	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:07	QNW
Copper	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:07	QNW
Iron	2.4	0.050		mg/L	1		SW-846 6010D	10/29/18	10/30/18 16:37	QNW
Lead	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:07	QNW
Magnesium	19	0.15		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:07	QNW
Manganese	0.79	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:07	QNW
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	10/30/18	10/31/18 15:10	EJB
Nickel	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:07	QNW
Potassium	4.5	2.0		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:07	QNW
Selenium	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:07	QNW
Silver	ND	0.0050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:07	QNW
Sodium	43	2.0		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:07	QNW
Thallium	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:07	QNW
Vanadium	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:07	QNW
Zinc	ND	0.020		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:07	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 3

Sampled: 10/22/2018 14:55

Sample ID: 18J1160-10

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	23	1.4	mg/L	1		SM21-22 2540D	10/29/18	10/29/18 10:00	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 3

Sampled: 10/22/2018 14:55

Sample ID: 18J1160-10

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	390	10	mg/L	1		SM21-22 2540C	10/29/18	10/29/18 8:30	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 3

Sampled: 10/22/2018 14:55

Sample ID: 18J1160-11

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	0.12	0.029	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Acrylonitrile	ND	0.0074	0.0031	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00086	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Benzene	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Bromobenzene	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Bromochloromethane	ND	0.0025	0.0017	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Bromodichloromethane	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Bromoform	ND	0.0025	0.0017	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Bromomethane	ND	0.012	0.0052	mg/Kg dry	1	V-34	SW-846 8260C	10/25/18	10/25/18 14:03	MFF
2-Butanone (MEK)	ND	0.049	0.021	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
tert-Butyl Alcohol (TBA)	ND	0.049	0.026	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
n-Butylbenzene	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
sec-Butylbenzene	ND	0.0025	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
tert-Butylbenzene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00074	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Carbon Disulfide	ND	0.0074	0.0053	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Carbon Tetrachloride	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Chlorobenzene	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Chlorodibromomethane	ND	0.0012	0.00086	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Chloroethane	ND	0.025	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Chloroform	ND	0.0049	0.00086	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Chloromethane	ND	0.012	0.0079	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
2-Chlorotoluene	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
4-Chlorotoluene	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0025	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Dibromomethane	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
1,2-Dichlorobenzene	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
1,3-Dichlorobenzene	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
1,4-Dichlorobenzene	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
trans-1,4-Dichloro-2-butene	ND	0.0049	0.0026	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.025	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
1,1-Dichloroethane	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
1,2-Dichloroethane	ND	0.0025	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
1,1-Dichloroethylene	ND	0.0049	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
cis-1,2-Dichloroethylene	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
trans-1,2-Dichloroethylene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
1,2-Dichloropropane	ND	0.0025	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
1,3-Dichloropropane	ND	0.0012	0.00086	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
2,2-Dichloropropane	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
1,1-Dichloropropene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00086	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00086	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Diethyl Ether	ND	0.025	0.0022	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 3

Sampled: 10/22/2018 14:55

Sample ID: 18J1160-11

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	0.0012	0.00074	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
1,4-Dioxane	ND	0.12	0.071	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Ethylbenzene	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Hexachlorobutadiene	ND	0.0025	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
2-Hexanone (MBK)	ND	0.025	0.013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Isopropylbenzene (Cumene)	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Methyl Acetate	ND	0.0025	0.0020	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0049	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Methyl Cyclohexane	ND	0.0025	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Methylene Chloride	ND	0.025	0.0087	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.025	0.0093	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Naphthalene	ND	0.0049	0.00086	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
n-Propylbenzene	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Styrene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
1,1,1,2-Tetrachloroethane	ND	0.0025	0.0022	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
1,1,2,2-Tetrachloroethane	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Tetrachloroethylene	ND	0.0025	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Tetrahydrofuran	ND	0.012	0.0027	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Toluene	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
1,2,3-Trichlorobenzene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
1,2,4-Trichlorobenzene	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
1,3,5-Trichlorobenzene	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
1,1,1-Trichloroethane	ND	0.0025	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
1,1,2-Trichloroethane	ND	0.0025	0.0015	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Trichloroethylene	ND	0.0025	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
1,2,3-Trichloropropane	ND	0.0025	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
1,2,4-Trimethylbenzene	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
1,3,5-Trimethylbenzene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Vinyl Chloride	ND	0.012	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
m+p Xylene	ND	0.0049	0.0021	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
o-Xylene	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:03	MFF
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	102	70-130				10/25/18 14:03				
Toluene-d8	95.8	70-130				10/25/18 14:03				
4-Bromofluorobenzene	96.9	70-130				10/25/18 14:03				

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 3

Sampled: 10/22/2018 14:55

Sample ID: 18J1160-11

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:54	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:54	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:54	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:54	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:54	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:54	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:54	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:54	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 17:54	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	77.8	30-150							
Decachlorobiphenyl [2]	76.4	30-150							
Tetrachloro-m-xylene [1]	77.0	30-150							
Tetrachloro-m-xylene [2]	78.7	30-150							

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 3

Sampled: 10/22/2018 14:55

Sample ID: 18J1160-11

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	4200	2.1		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:13	QNW
Antimony	ND	2.1		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:13	QNW
Arsenic	ND	2.1		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:13	QNW
Barium	24	2.1		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:13	QNW
Beryllium	0.26	0.21		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:13	QNW
Cadmium	ND	0.21		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:13	QNW
Calcium	1800	6.4		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:13	QNW
Chromium	6.1	0.42		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:13	QNW
Cobalt	3.4	2.1		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:13	QNW
Copper	4.1	0.42		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:13	QNW
Iron	9900	2.1		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:13	QNW
Lead	13	0.64		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:13	QNW
Magnesium	1800	6.4		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:13	QNW
Manganese	94	0.42		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:13	QNW
Mercury	ND	0.033		mg/Kg dry	1		SW-846 7471B	10/26/18	10/26/18 13:16	EJB
Nickel	5.3	0.42		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:13	QNW
Potassium	430	85		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:13	QNW
Selenium	ND	4.2	3.5	mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:13	QNW
Silver	ND	0.42		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:13	QNW
Sodium	90	85		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:13	QNW
Thallium	ND	2.1		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:13	QNW
Vanadium	12	0.85		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:13	QNW
Zinc	43	0.85		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:13	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Sampled: 10/22/2018 14:55

Field Sample #: GFFC 3

Sample ID: 18J1160-11

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	79.6		% Wt	1		SM 2540G	10/29/18	10/30/18 10:42	JFC

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: UNNAMED POND

Sampled: 10/22/2018 15:35

Sample ID: 18J1160-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	24	50	9.7	µg/L	1	J	SW-846 8260C	10/30/18	10/31/18 16:15	LBD
Benzene	0.26	1.0	0.12	µg/L	1	J	SW-846 8260C	10/30/18	10/31/18 16:15	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
Bromomethane	ND	2.0	0.94	µg/L	1	R-05	SW-846 8260C	10/30/18	10/31/18 16:15	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
Chlorobenzene	0.49	1.0	0.16	µg/L	1	J	SW-846 8260C	10/30/18	10/31/18 16:15	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
Cyclohexane	1.2	5.0	0.25	µg/L	1	J	SW-846 8260C	10/30/18	10/31/18 16:15	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
1,4-Dichlorobenzene	0.33	1.0	0.15	µg/L	1	J	SW-846 8260C	10/30/18	10/31/18 16:15	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
1,4-Dioxane	62	100	26	µg/L	1	J	SW-846 8260C	10/30/18	10/31/18 16:15	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
Isopropylbenzene (Cumene)	0.22	1.0	0.12	µg/L	1	J	SW-846 8260C	10/30/18	10/31/18 16:15	LBD
Methyl Acetate	ND	1.0	0.42	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
Methyl tert-Butyl Ether (MTBE)	0.76	1.0	0.090	µg/L	1	J	SW-846 8260C	10/30/18	10/31/18 16:15	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
Toluene	1.9	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: UNNAMED POND

Sampled: 10/22/2018 15:35

Sample ID: 18J1160-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD
m+p Xylene	0.51	2.0	0.26	µg/L	1	J	SW-846 8260C	10/30/18	10/31/18 16:15	LBD
o-Xylene	0.31	1.0	0.13	µg/L	1	J	SW-846 8260C	10/30/18	10/31/18 16:15	LBD
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:15	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	100	70-130	
Toluene-d8	98.9	70-130	
4-Bromofluorobenzene	100	70-130	

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: UNNAMED POND

Sampled: 10/22/2018 15:35

Sample ID: 18J1160-12

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:50	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:50	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:50	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:50	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:50	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:50	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:50	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:50	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 20:50	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	73.2	30-150						10/30/18 20:50	
Decachlorobiphenyl [2]	71.5	30-150						10/30/18 20:50	
Tetrachloro-m-xylene [1]	73.0	30-150						10/30/18 20:50	
Tetrachloro-m-xylene [2]	79.2	30-150						10/30/18 20:50	

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: UNNAMED POND

Sampled: 10/22/2018 15:35

Sample ID: 18J1160-12

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	9.6	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:12	QNW
Antimony	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:12	QNW
Arsenic	0.033	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:12	QNW
Barium	0.45	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:12	QNW
Beryllium	ND	0.0040		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:12	QNW
Cadmium	ND	0.0040		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:12	QNW
Calcium	160	0.15		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:12	QNW
Chromium	0.013	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:12	QNW
Cobalt	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:12	QNW
Copper	0.012	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:12	QNW
Iron	160	0.050		mg/L	1		SW-846 6010D	10/29/18	10/30/18 16:43	QNW
Lead	0.018	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:12	QNW
Magnesium	42	0.15		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:12	QNW
Manganese	1.9	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:12	QNW
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	10/30/18	10/31/18 15:11	EJB
Nickel	0.021	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:12	QNW
Potassium	12	2.0		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:12	QNW
Selenium	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:12	QNW
Silver	ND	0.0050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:12	QNW
Sodium	160	2.0		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:12	QNW
Thallium	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:12	QNW
Vanadium	0.026	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:12	QNW
Zinc	0.043	0.020		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:12	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: UNNAMED POND

Sampled: 10/22/2018 15:35

Sample ID: 18J1160-12

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	830	10	mg/L	1		SM21-22 2540D	10/29/18	10/29/18 10:00	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: UNNAMED POND

Sampled: 10/22/2018 15:35

Sample ID: 18J1160-12

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	820	10	mg/L	1		SM21-22 2540C	10/29/18	10/29/18 8:30	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: UNNAMED POND

Sampled: 10/22/2018 15:35

Sample ID: 18J1160-13

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	0.092	0.26	0.062	mg/Kg dry	1	J	SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Acrylonitrile	ND	0.016	0.0066	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0026	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Benzene	ND	0.0053	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Bromobenzene	ND	0.0053	0.0021	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Bromochloromethane	ND	0.0053	0.0037	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Bromodichloromethane	ND	0.0053	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Bromoform	ND	0.0053	0.0037	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Bromomethane	ND	0.026	0.011	mg/Kg dry	1	V-34	SW-846 8260C	10/25/18	10/25/18 14:30	MFF
2-Butanone (MEK)	ND	0.11	0.046	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
tert-Butyl Alcohol (TBA)	ND	0.11	0.055	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
n-Butylbenzene	ND	0.0053	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
sec-Butylbenzene	ND	0.0053	0.0026	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
tert-Butylbenzene	ND	0.0053	0.0024	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0026	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Carbon Disulfide	ND	0.016	0.011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Carbon Tetrachloride	ND	0.0053	0.0021	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Chlorobenzene	ND	0.0053	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Chlorodibromomethane	ND	0.0026	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Chloroethane	ND	0.053	0.0039	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Chloroform	ND	0.011	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Chloromethane	ND	0.026	0.017	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
2-Chlorotoluene	ND	0.0053	0.0021	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
4-Chlorotoluene	ND	0.0053	0.0021	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0053	0.0029	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
1,2-Dibromoethane (EDB)	ND	0.0026	0.0026	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Dibromomethane	ND	0.0053	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
1,2-Dichlorobenzene	ND	0.0053	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
1,3-Dichlorobenzene	ND	0.0053	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
1,4-Dichlorobenzene	ND	0.0053	0.0021	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
trans-1,4-Dichloro-2-butene	ND	0.011	0.0055	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.053	0.0034	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
1,1-Dichloroethane	ND	0.0053	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
1,2-Dichloroethane	ND	0.0053	0.0034	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
1,1-Dichloroethylene	ND	0.011	0.0029	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
cis-1,2-Dichloroethylene	ND	0.0053	0.0021	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
trans-1,2-Dichloroethylene	ND	0.0053	0.0024	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
1,2-Dichloropropane	ND	0.0053	0.0034	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
1,3-Dichloropropane	ND	0.0026	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
2,2-Dichloropropane	ND	0.0053	0.0024	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
1,1-Dichloropropene	ND	0.0053	0.0024	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
cis-1,3-Dichloropropene	ND	0.0026	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
trans-1,3-Dichloropropene	ND	0.0026	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Diethyl Ether	ND	0.053	0.0047	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: UNNAMED POND

Sampled: 10/22/2018 15:35

Sample ID: 18J1160-13

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	0.0026	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
1,4-Dioxane	ND	0.26	0.15	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Ethylbenzene	ND	0.0053	0.0021	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Hexachlorobutadiene	ND	0.0053	0.0026	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
2-Hexanone (MBK)	ND	0.053	0.029	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Isopropylbenzene (Cumene)	ND	0.0053	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0053	0.0021	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Methyl Acetate	ND	0.0053	0.0042	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.011	0.0024	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Methyl Cyclohexane	ND	0.0053	0.0026	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Methylene Chloride	ND	0.053	0.019	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.053	0.020	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Naphthalene	ND	0.011	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
n-Propylbenzene	ND	0.0053	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Styrene	ND	0.0053	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
1,1,1,2-Tetrachloroethane	ND	0.0053	0.0047	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
1,1,2,2-Tetrachloroethane	ND	0.0053	0.0024	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Tetrachloroethylene	ND	0.0053	0.0034	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Tetrahydrofuran	ND	0.026	0.0058	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Toluene	ND	0.0053	0.0021	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
1,2,3-Trichlorobenzene	ND	0.0053	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
1,2,4-Trichlorobenzene	ND	0.0053	0.0021	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
1,3,5-Trichlorobenzene	ND	0.0053	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
1,1,1-Trichloroethane	ND	0.0053	0.0026	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
1,1,2-Trichloroethane	ND	0.0053	0.0032	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Trichloroethylene	ND	0.0053	0.0026	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Trichlorofluoromethane (Freon 11)	ND	0.026	0.0029	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
1,2,3-Trichloropropane	ND	0.0053	0.0029	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.026	0.0024	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
1,2,4-Trimethylbenzene	ND	0.0053	0.0021	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
1,3,5-Trimethylbenzene	ND	0.0053	0.0016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Vinyl Chloride	ND	0.026	0.0029	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
m+p Xylene	ND	0.011	0.0045	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
o-Xylene	ND	0.0053	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:30	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	106		70-130				10/25/18 14:30			
Toluene-d8	96.0		70-130				10/25/18 14:30			
4-Bromofluorobenzene	98.1		70-130				10/25/18 14:30			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: UNNAMED POND

Sampled: 10/22/2018 15:35

Sample ID: 18J1160-13

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:12	JMB
Aroclor-1221 [1]	ND	0.20	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:12	JMB
Aroclor-1232 [1]	ND	0.20	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:12	JMB
Aroclor-1242 [1]	1.0	0.20	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:12	JMB
Aroclor-1248 [1]	ND	0.20	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:12	JMB
Aroclor-1254 [1]	ND	0.20	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:12	JMB
Aroclor-1260 [1]	ND	0.20	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:12	JMB
Aroclor-1262 [1]	ND	0.20	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:12	JMB
Aroclor-1268 [1]	ND	0.20	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:12	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	61.7	30-150						10/31/18 18:12	
Decachlorobiphenyl [2]	60.5	30-150						10/31/18 18:12	
Tetrachloro-m-xylene [1]	64.2	30-150						10/31/18 18:12	
Tetrachloro-m-xylene [2]	65.1	30-150						10/31/18 18:12	

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: UNNAMED POND

Sampled: 10/22/2018 15:35

Sample ID: 18J1160-13

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	39000	4.5		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:19	QNW
Antimony	ND	4.5		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:19	QNW
Arsenic	20	4.5		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:19	QNW
Barium	340	4.5		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:19	QNW
Beryllium	1.7	0.45		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:19	QNW
Cadmium	ND	0.45		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:19	QNW
Calcium	7300	13		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:19	QNW
Chromium	54	0.89		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:19	QNW
Cobalt	36	4.5		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:19	QNW
Copper	27	0.89		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:19	QNW
Iron	130000	220		mg/Kg dry	50		SW-846 6010D	10/25/18	10/29/18 16:25	QNW
Lead	17	1.3		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:19	QNW
Magnesium	8900	670		mg/Kg dry	50		SW-846 6010D	10/25/18	10/29/18 16:25	QNW
Manganese	1200	0.89		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:19	QNW
Mercury	ND	0.067		mg/Kg dry	1		SW-846 7471B	10/26/18	10/26/18 13:17	EJB
Nickel	38	0.89		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:19	QNW
Potassium	2900	180		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:19	QNW
Selenium	ND	8.9	7.4	mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:19	QNW
Silver	ND	0.89		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:19	QNW
Sodium	470	180		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:19	QNW
Thallium	ND	4.5		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:19	QNW
Vanadium	78	1.8		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:19	QNW
Zinc	84	1.8		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:19	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: UNNAMED POND

Sampled: 10/22/2018 15:35

Sample ID: 18J1160-13

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	37.9		% Wt	1		SM 2540G	10/29/18	10/30/18 10:42	JFC

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 1

Sampled: 10/22/2018 16:10

Sample ID: 18J1160-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
Bromomethane	ND	2.0	0.94	µg/L	1	R-05	SW-846 8260C	10/30/18	10/31/18 16:46	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
Methyl Acetate	ND	1.0	0.42	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 1

Sampled: 10/22/2018 16:10

Sample ID: 18J1160-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	10/30/18	10/31/18 16:46	LBD
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	103		70-130				10/31/18 16:46			
Toluene-d8	100		70-130				10/31/18 16:46			
4-Bromofluorobenzene	103		70-130				10/31/18 16:46			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 1

Sampled: 10/22/2018 16:10

Sample ID: 18J1160-14

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:08	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:08	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:08	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:08	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:08	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:08	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:08	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:08	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:08	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.4	30-150							
Decachlorobiphenyl [2]	104	30-150							
Tetrachloro-m-xylene [1]	81.1	30-150							
Tetrachloro-m-xylene [2]	89.1	30-150							

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 1

Sampled: 10/22/2018 16:10

Sample ID: 18J1160-14

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:17	QNW
Antimony	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:17	QNW
Arsenic	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:17	QNW
Barium	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:17	QNW
Beryllium	ND	0.0040		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:17	QNW
Cadmium	ND	0.0040		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:17	QNW
Calcium	22	0.15		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:17	QNW
Chromium	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:17	QNW
Cobalt	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:17	QNW
Copper	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:17	QNW
Iron	0.35	0.050		mg/L	1		SW-846 6010D	10/29/18	10/30/18 16:48	QNW
Lead	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:17	QNW
Magnesium	3.5	0.15		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:17	QNW
Manganese	0.030	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:17	QNW
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	10/30/18	10/31/18 15:17	EJB
Nickel	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:17	QNW
Potassium	ND	2.0		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:17	QNW
Selenium	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:17	QNW
Silver	ND	0.0050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:17	QNW
Sodium	34	2.0		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:17	QNW
Thallium	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:17	QNW
Vanadium	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:17	QNW
Zinc	ND	0.020		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:17	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 1

Sampled: 10/22/2018 16:10

Sample ID: 18J1160-14

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	1.4	mg/L	1		SM21-22 2540D	10/29/18	10/29/18 10:00	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 1

Sampled: 10/22/2018 16:10

Sample ID: 18J1160-14

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	110	10	mg/L	1		SM21-22 2540C	10/29/18	10/29/18 8:30	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 1

Sampled: 10/22/2018 16:10

Sample ID: 18J1160-15

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	0.074	0.15	0.035	mg/Kg dry	1	J	SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Acrylonitrile	ND	0.0090	0.0038	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0015	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Benzene	ND	0.0030	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Bromobenzene	ND	0.0030	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Bromochloromethane	ND	0.0030	0.0021	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Bromodichloromethane	ND	0.0030	0.00090	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Bromoform	ND	0.0030	0.0021	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Bromomethane	ND	0.015	0.0063	mg/Kg dry	1	V-34	SW-846 8260C	10/25/18	10/25/18 14:58	MFF
2-Butanone (MEK)	ND	0.060	0.026	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
tert-Butyl Alcohol (TBA)	ND	0.060	0.031	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
n-Butylbenzene	ND	0.0030	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
sec-Butylbenzene	ND	0.0030	0.0015	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
tert-Butylbenzene	ND	0.0030	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0015	0.00090	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Carbon Disulfide	ND	0.0090	0.0065	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Carbon Tetrachloride	ND	0.0030	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Chlorobenzene	ND	0.0030	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Chlorodibromomethane	ND	0.0015	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Chloroethane	ND	0.030	0.0023	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Chloroform	ND	0.0060	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Chloromethane	ND	0.015	0.0096	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
2-Chlorotoluene	ND	0.0030	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
4-Chlorotoluene	ND	0.0030	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0030	0.0017	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
1,2-Dibromoethane (EDB)	ND	0.0015	0.0015	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Dibromomethane	ND	0.0030	0.00090	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
1,2-Dichlorobenzene	ND	0.0030	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
1,3-Dichlorobenzene	ND	0.0030	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
1,4-Dichlorobenzene	ND	0.0030	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
trans-1,4-Dichloro-2-butene	ND	0.0060	0.0032	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.030	0.0020	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
1,1-Dichloroethane	ND	0.0030	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
1,2-Dichloroethane	ND	0.0030	0.0020	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
1,1-Dichloroethylene	ND	0.0060	0.0017	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
cis-1,2-Dichloroethylene	ND	0.0030	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
trans-1,2-Dichloroethylene	ND	0.0030	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
1,2-Dichloropropane	ND	0.0030	0.0020	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
1,3-Dichloropropane	ND	0.0015	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
2,2-Dichloropropane	ND	0.0030	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
1,1-Dichloropropene	ND	0.0030	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
cis-1,3-Dichloropropene	ND	0.0015	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
trans-1,3-Dichloropropene	ND	0.0015	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Diethyl Ether	ND	0.030	0.0027	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 1

Sampled: 10/22/2018 16:10

Sample ID: 18J1160-15

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	0.0015	0.00090	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
1,4-Dioxane	ND	0.15	0.087	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Ethylbenzene	ND	0.0030	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Hexachlorobutadiene	ND	0.0030	0.0015	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
2-Hexanone (MBK)	ND	0.030	0.016	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Isopropylbenzene (Cumene)	ND	0.0030	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0030	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Methyl Acetate	ND	0.0030	0.0024	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0060	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Methyl Cyclohexane	ND	0.0030	0.0015	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Methylene Chloride	0.019	0.030	0.011	mg/Kg dry	1	J	SW-846 8260C	10/25/18	10/25/18 14:58	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.030	0.011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Naphthalene	ND	0.0060	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
n-Propylbenzene	ND	0.0030	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Styrene	ND	0.0030	0.00090	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
1,1,1,2-Tetrachloroethane	ND	0.0030	0.0027	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
1,1,2,2-Tetrachloroethane	ND	0.0030	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Tetrachloroethylene	ND	0.0030	0.0020	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Tetrahydrofuran	ND	0.015	0.0033	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Toluene	ND	0.0030	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
1,2,3-Trichlorobenzene	ND	0.0030	0.00090	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
1,2,4-Trichlorobenzene	ND	0.0030	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
1,3,5-Trichlorobenzene	ND	0.0030	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
1,1,1-Trichloroethane	ND	0.0030	0.0015	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
1,1,2-Trichloroethane	ND	0.0030	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Trichloroethylene	ND	0.0030	0.0015	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Trichlorofluoromethane (Freon 11)	ND	0.015	0.0017	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
1,2,3-Trichloropropane	ND	0.0030	0.0017	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.015	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
1,2,4-Trimethylbenzene	ND	0.0030	0.0012	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
1,3,5-Trimethylbenzene	ND	0.0030	0.00090	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Vinyl Chloride	ND	0.015	0.0017	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
m+p Xylene	ND	0.0060	0.0026	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
o-Xylene	ND	0.0030	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/25/18 14:58	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	104		70-130				10/25/18 14:58			
Toluene-d8	95.3		70-130				10/25/18 14:58			
4-Bromofluorobenzene	98.4		70-130				10/25/18 14:58			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 1

Sampled: 10/22/2018 16:10

Sample ID: 18J1160-15

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:30	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:30	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:30	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:30	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:30	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:30	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:30	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:30	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:30	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	64.8	30-150						10/31/18 18:30	
Decachlorobiphenyl [2]	64.2	30-150						10/31/18 18:30	
Tetrachloro-m-xylene [1]	66.8	30-150						10/31/18 18:30	
Tetrachloro-m-xylene [2]	68.1	30-150						10/31/18 18:30	

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: GFFC 1

Sampled: 10/22/2018 16:10

Sample ID: 18J1160-15

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	7500	2.5		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:25	QNW
Antimony	ND	2.5		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:25	QNW
Arsenic	ND	2.5		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:25	QNW
Barium	56	2.5		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:25	QNW
Beryllium	0.37	0.25		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:25	QNW
Cadmium	ND	0.25		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:25	QNW
Calcium	2700	7.6		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:25	QNW
Chromium	9.8	0.51		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:25	QNW
Cobalt	6.0	2.5		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:25	QNW
Copper	9.3	0.51		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:25	QNW
Iron	9800	2.5		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:25	QNW
Lead	130	0.76		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:25	QNW
Magnesium	2100	7.6		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:25	QNW
Manganese	140	0.51		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:25	QNW
Mercury	0.13	0.036		mg/Kg dry	1		SW-846 7471B	10/26/18	10/26/18 13:19	EJB
Nickel	7.6	0.51		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:25	QNW
Potassium	660	100		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:25	QNW
Selenium	ND	5.1	4.2	mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:25	QNW
Silver	ND	0.51		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:25	QNW
Sodium	140	100		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:25	QNW
Thallium	ND	2.5		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:25	QNW
Vanadium	14	1.0		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:25	QNW
Zinc	72	1.0		mg/Kg dry	1		SW-846 6010D	10/25/18	10/29/18 15:25	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Sampled: 10/22/2018 16:10

Field Sample #: GFFC 1

Sample ID: 18J1160-15

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	66.2		% Wt	1		SM 2540G	10/29/18	10/30/18 10:42	JFC

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: DUP-2

Sampled: 10/22/2018 00:00

Sample ID: 18J1160-16

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	0.033	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Acrylonitrile	ND	0.0084	0.0035	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0014	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Benzene	ND	0.0028	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Bromobenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Bromochloromethane	ND	0.0028	0.0020	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Bromodichloromethane	ND	0.0028	0.00084	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Bromoform	ND	0.0028	0.0020	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Bromomethane	ND	0.014	0.0059	mg/Kg dry	1	V-34	SW-846 8260C	10/25/18	10/26/18 9:04	MFF
2-Butanone (MEK)	ND	0.056	0.024	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
tert-Butyl Alcohol (TBA)	ND	0.056	0.029	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
n-Butylbenzene	ND	0.0028	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
sec-Butylbenzene	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
tert-Butylbenzene	ND	0.0028	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0014	0.00084	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Carbon Disulfide	ND	0.0084	0.0060	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Carbon Tetrachloride	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Chlorobenzene	ND	0.0028	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Chlorodibromomethane	ND	0.0014	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Chloroethane	ND	0.028	0.0021	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Chloroform	ND	0.0056	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Chloromethane	ND	0.014	0.0089	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
2-Chlorotoluene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
4-Chlorotoluene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0028	0.0015	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Dibromomethane	ND	0.0028	0.00084	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
1,2-Dichlorobenzene	ND	0.0028	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
1,3-Dichlorobenzene	ND	0.0028	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
1,4-Dichlorobenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
trans-1,4-Dichloro-2-butene	ND	0.0056	0.0029	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.028	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
1,1-Dichloroethane	ND	0.0028	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
1,2-Dichloroethane	ND	0.0028	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
1,1-Dichloroethylene	ND	0.0056	0.0015	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
cis-1,2-Dichloroethylene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
trans-1,2-Dichloroethylene	ND	0.0028	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
1,2-Dichloropropane	ND	0.0028	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
1,3-Dichloropropane	ND	0.0014	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
2,2-Dichloropropane	ND	0.0028	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
1,1-Dichloropropene	ND	0.0028	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
cis-1,3-Dichloropropene	ND	0.0014	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
trans-1,3-Dichloropropene	ND	0.0014	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Diethyl Ether	ND	0.028	0.0025	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: DUP-2

Sampled: 10/22/2018 00:00

Sample ID: 18J1160-16

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	0.00084	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
1,4-Dioxane	ND	0.14	0.080	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Ethylbenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Hexachlorobutadiene	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
2-Hexanone (MBK)	ND	0.028	0.015	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Isopropylbenzene (Cumene)	ND	0.0028	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Methyl Acetate	ND	0.0028	0.0022	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0056	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Methyl Cyclohexane	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Methylene Chloride	ND	0.028	0.0099	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.028	0.011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Naphthalene	ND	0.0056	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
n-Propylbenzene	ND	0.0028	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Styrene	ND	0.0028	0.00084	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
1,1,1,2-Tetrachloroethane	ND	0.0028	0.0025	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
1,1,2,2-Tetrachloroethane	ND	0.0028	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Tetrachloroethylene	ND	0.0028	0.0018	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Tetrahydrofuran	ND	0.014	0.0031	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Toluene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
1,2,3-Trichlorobenzene	ND	0.0028	0.00084	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
1,2,4-Trichlorobenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
1,3,5-Trichlorobenzene	ND	0.0028	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
1,1,1-Trichloroethane	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
1,1,2-Trichloroethane	ND	0.0028	0.0017	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Trichloroethylene	ND	0.0028	0.0014	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Trichlorofluoromethane (Freon 11)	ND	0.014	0.0015	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
1,2,3-Trichloropropane	ND	0.0028	0.0015	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.014	0.0013	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
1,2,4-Trimethylbenzene	ND	0.0028	0.0011	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
1,3,5-Trimethylbenzene	ND	0.0028	0.00084	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Vinyl Chloride	ND	0.014	0.0015	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
m+p Xylene	ND	0.0056	0.0024	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
o-Xylene	ND	0.0028	0.00098	mg/Kg dry	1		SW-846 8260C	10/25/18	10/26/18 9:04	MFF
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	101	70-130				10/26/18 9:04				
Toluene-d8	97.2	70-130				10/26/18 9:04				
4-Bromofluorobenzene	96.3	70-130				10/26/18 9:04				

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: DUP-2

Sampled: 10/22/2018 00:00

Sample ID: 18J1160-16

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:47	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:47	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:47	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:47	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:47	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:47	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:47	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:47	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/30/18	10/31/18 18:47	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	70.9	30-150						10/31/18 18:47	
Decachlorobiphenyl [2]	69.9	30-150						10/31/18 18:47	
Tetrachloro-m-xylene [1]	72.0	30-150						10/31/18 18:47	
Tetrachloro-m-xylene [2]	73.4	30-150						10/31/18 18:47	

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: DUP-2

Sampled: 10/22/2018 00:00

Sample ID: 18J1160-16

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	9300	2.1		mg/Kg dry	1		SW-846 6010D	10/26/18	10/29/18 15:31	QNW
Antimony	ND	2.1		mg/Kg dry	1		SW-846 6010D	10/26/18	10/29/18 15:31	QNW
Arsenic	ND	2.1		mg/Kg dry	1		SW-846 6010D	10/26/18	10/29/18 15:31	QNW
Barium	63	2.1		mg/Kg dry	1		SW-846 6010D	10/26/18	10/29/18 15:31	QNW
Beryllium	0.45	0.21		mg/Kg dry	1		SW-846 6010D	10/26/18	10/29/18 15:31	QNW
Cadmium	ND	0.21		mg/Kg dry	1		SW-846 6010D	10/26/18	10/29/18 15:31	QNW
Calcium	2500	6.4		mg/Kg dry	1		SW-846 6010D	10/26/18	10/29/18 15:31	QNW
Chromium	13	0.43		mg/Kg dry	1		SW-846 6010D	10/26/18	10/29/18 15:31	QNW
Cobalt	6.0	2.1		mg/Kg dry	1		SW-846 6010D	10/26/18	10/29/18 15:31	QNW
Copper	8.8	0.43		mg/Kg dry	1		SW-846 6010D	10/26/18	10/29/18 15:31	QNW
Iron	13000	2.1		mg/Kg dry	1		SW-846 6010D	10/26/18	10/29/18 15:31	QNW
Lead	3.2	0.64		mg/Kg dry	1		SW-846 6010D	10/26/18	10/29/18 15:31	QNW
Magnesium	2300	6.4		mg/Kg dry	1		SW-846 6010D	10/26/18	10/29/18 15:31	QNW
Manganese	160	0.43		mg/Kg dry	1		SW-846 6010D	10/26/18	10/29/18 15:31	QNW
Mercury	0.10	0.032		mg/Kg dry	1		SW-846 7471B	10/26/18	10/26/18 13:20	EJB
Nickel	11	0.43		mg/Kg dry	1		SW-846 6010D	10/26/18	10/29/18 15:31	QNW
Potassium	1200	85		mg/Kg dry	1		SW-846 6010D	10/26/18	10/29/18 15:31	QNW
Selenium	ND	4.3	3.5	mg/Kg dry	1		SW-846 6010D	10/26/18	10/29/18 15:31	QNW
Silver	ND	0.43		mg/Kg dry	1		SW-846 6010D	10/26/18	10/29/18 15:31	QNW
Sodium	170	85		mg/Kg dry	1		SW-846 6010D	10/26/18	10/29/18 15:31	QNW
Thallium	3.0	2.1		mg/Kg dry	1		SW-846 6010D	10/26/18	10/29/18 15:31	QNW
Vanadium	20	0.85		mg/Kg dry	1		SW-846 6010D	10/26/18	10/29/18 15:31	QNW
Zinc	31	0.85		mg/Kg dry	1		SW-846 6010D	10/26/18	10/29/18 15:31	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: DUP-2

Sampled: 10/22/2018 00:00

Sample ID: 18J1160-16

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	76.6		% Wt	1		SM 2540G	10/29/18	10/30/18 10:42	JFC

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: TRIP BLANK

Sampled: 10/22/2018 00:00

Sample ID: 18J1160-17

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
Bromomethane	ND	2.0	0.94	µg/L	1	R-05	SW-846 8260C	10/30/18	10/31/18 10:37	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
Methyl Acetate	ND	1.0	0.42	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: TRIP BLANK

Sampled: 10/22/2018 00:00

Sample ID: 18J1160-17

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	10/30/18	10/31/18 10:37	LBD
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	102		70-130				10/31/18 10:37			
Toluene-d8	98.4		70-130				10/31/18 10:37			
4-Bromofluorobenzene	101		70-130				10/31/18 10:37			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: MW-2

Sampled: 10/23/2018 10:50

Sample ID: 18J1160-18

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
Bromomethane	ND	2.0	0.94	µg/L	1	R-05	SW-846 8260C	10/30/18	10/31/18 17:17	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
Methyl Acetate	ND	1.0	0.42	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: MW-2

Sampled: 10/23/2018 10:50

Sample ID: 18J1160-18

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:17	LBD
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	101		70-130				10/31/18 17:17			
Toluene-d8	99.6		70-130				10/31/18 17:17			
4-Bromofluorobenzene	102		70-130				10/31/18 17:17			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: MW-2

Sampled: 10/23/2018 10:50

Sample ID: 18J1160-18

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:27	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:27	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:27	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:27	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:27	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:27	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:27	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:27	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:27	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	73.1	30-150						10/30/18 21:27	
Decachlorobiphenyl [2]	84.0	30-150						10/30/18 21:27	
Tetrachloro-m-xylene [1]	76.7	30-150						10/30/18 21:27	
Tetrachloro-m-xylene [2]	84.0	30-150						10/30/18 21:27	

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: MW-2

Sampled: 10/23/2018 10:50

Sample ID: 18J1160-18

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.055	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:34	QNW
Antimony	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:34	QNW
Arsenic	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:34	QNW
Barium	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:34	QNW
Beryllium	ND	0.0040		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:34	QNW
Cadmium	ND	0.0040		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:34	QNW
Calcium	79	0.15		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:34	QNW
Chromium	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:34	QNW
Cobalt	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:34	QNW
Copper	0.014	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:34	QNW
Iron	13	0.050		mg/L	1		SW-846 6010D	10/29/18	10/30/18 16:54	QNW
Lead	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:34	QNW
Magnesium	12	0.15		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:34	QNW
Manganese	0.58	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:34	QNW
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	10/30/18	10/31/18 16:07	EJB
Nickel	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:34	QNW
Potassium	2.2	2.0		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:34	QNW
Selenium	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:34	QNW
Silver	ND	0.0050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:34	QNW
Sodium	57	2.0		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:34	QNW
Thallium	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:34	QNW
Vanadium	0.013	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:34	QNW
Zinc	ND	0.020		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:34	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: MW-2

Sampled: 10/23/2018 10:50

Sample ID: 18J1160-18

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	42	2.9	mg/L	1		SM21-22 2540D	10/29/18	10/29/18 10:00	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: MW-2

Sampled: 10/23/2018 10:50

Sample ID: 18J1160-18

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	340	10	mg/L	1		SM21-22 2540C	10/29/18	10/29/18 8:30	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: MW-2A

Sampled: 10/23/2018 11:05

Sample ID: 18J1160-19

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
Bromomethane	ND	2.0	0.94	µg/L	1	R-05	SW-846 8260C	10/30/18	10/31/18 17:47	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
Methyl Acetate	ND	1.0	0.42	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: MW-2A

Sampled: 10/23/2018 11:05

Sample ID: 18J1160-19

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	10/30/18	10/31/18 17:47	LBD
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	101		70-130				10/31/18 17:47			
Toluene-d8	99.5		70-130				10/31/18 17:47			
4-Bromofluorobenzene	103		70-130				10/31/18 17:47			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: MW-2A

Sampled: 10/23/2018 11:05

Sample ID: 18J1160-19

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:45	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:45	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:45	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:45	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:45	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:45	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:45	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:45	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/27/18	10/30/18 21:45	KAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	89.2	30-150							
Decachlorobiphenyl [2]	102	30-150							
Tetrachloro-m-xylene [1]	77.9	30-150							
Tetrachloro-m-xylene [2]	85.1	30-150							

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Field Sample #: MW-2A

Sampled: 10/23/2018 11:05

Sample ID: 18J1160-19

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:39	QNW
Antimony	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:39	QNW
Arsenic	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:39	QNW
Barium	0.071	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:39	QNW
Beryllium	ND	0.0040		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:39	QNW
Cadmium	ND	0.0040		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:39	QNW
Calcium	36	0.15		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:39	QNW
Chromium	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:39	QNW
Cobalt	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:39	QNW
Copper	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:39	QNW
Iron	9.6	0.050		mg/L	1		SW-846 6010D	10/29/18	10/30/18 16:59	QNW
Lead	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:39	QNW
Magnesium	13	0.15		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:39	QNW
Manganese	0.30	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:39	QNW
Mercury	ND	0.00010		mg/L	1		SW-846 7470A	10/30/18	10/31/18 16:09	EJB
Nickel	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:39	QNW
Potassium	ND	2.0		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:39	QNW
Selenium	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:39	QNW
Silver	ND	0.0050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:39	QNW
Sodium	48	2.0		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:39	QNW
Thallium	ND	0.050		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:39	QNW
Vanadium	ND	0.010		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:39	QNW
Zinc	ND	0.020		mg/L	1		SW-846 6010D	10/25/18	10/26/18 16:39	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Sampled: 10/23/2018 11:05

Field Sample #: MW-2A

Sample ID: 18J1160-19

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	19	1.4	mg/L	1		SM21-22 2540D	10/29/18	10/29/18 10:00	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1160

Date Received: 10/23/2018

Sampled: 10/23/2018 11:05

Field Sample #: MW-2A

Sample ID: 18J1160-19

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	200	10	mg/L	1		SM21-22 2540C	10/29/18	10/29/18 8:30	LL

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

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
18J1160-02 [CELL 3]	B215886	10/29/18
18J1160-03 [CELL 2]	B215886	10/29/18
18J1160-04 [CELL 1]	B215886	10/29/18
18J1160-06 [POLISHING POND INFLUENT]	B215886	10/29/18
18J1160-07 [POLISHING POND EFFLUENT]	B215886	10/29/18
18J1160-09 [GFFC 2]	B215886	10/29/18
18J1160-11 [GFFC 3]	B215886	10/29/18
18J1160-13 [UNNAMED POND]	B215886	10/29/18
18J1160-15 [GFFC 1]	B215886	10/29/18
18J1160-16 [DUP-2]	B215886	10/29/18

SM21-22 2540C

Lab Number [Field ID]	Batch	Initial [mL]	Date
18J1160-01 [Field Blank 1]	B215847	50.0	10/29/18
18J1160-05 [POLISHING POND INFLUENT]	B215847	50.0	10/29/18
18J1160-08 [GFFC 2]	B215847	50.0	10/29/18
18J1160-10 [GFFC 3]	B215847	50.0	10/29/18
18J1160-12 [UNNAMED POND]	B215847	50.0	10/29/18
18J1160-14 [GFFC 1]	B215847	50.0	10/29/18
18J1160-18 [MW-2]	B215847	50.0	10/29/18
18J1160-19 [MW-2A]	B215847	50.0	10/29/18

SM21-22 2540D

Lab Number [Field ID]	Batch	Initial [mL]	Date
18J1160-01 [Field Blank 1]	B215773	400	10/26/18
18J1160-05 [POLISHING POND INFLUENT]	B215773	120	10/26/18

SM21-22 2540D

Lab Number [Field ID]	Batch	Initial [mL]	Date
18J1160-08 [GFFC 2]	B215852	110	10/29/18
18J1160-10 [GFFC 3]	B215852	350	10/29/18
18J1160-12 [UNNAMED POND]	B215852	50.0	10/29/18
18J1160-14 [GFFC 1]	B215852	350	10/29/18
18J1160-18 [MW-2]	B215852	170	10/29/18
18J1160-19 [MW-2A]	B215852	350	10/29/18

Prep Method: SW-846 3050B-SW-846 6010D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18J1160-02 [CELL 3]	B215674	1.48	50.0	10/25/18
18J1160-03 [CELL 2]	B215674	1.51	50.0	10/25/18
18J1160-04 [CELL 1]	B215674	1.53	50.0	10/25/18
18J1160-06 [POLISHING POND INFLUENT]	B215674	1.47	50.0	10/25/18
18J1160-07 [POLISHING POND EFFLUENT]	B215674	1.52	50.0	10/25/18
18J1160-09 [GFFC 2]	B215674	1.58	50.0	10/25/18
18J1160-11 [GFFC 3]	B215674	1.48	50.0	10/25/18
18J1160-13 [UNNAMED POND]	B215674	1.47	50.0	10/25/18

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

Sample Extraction Data

Prep Method: SW-846 3050B-SW-846 6010D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18J1160-15 [GFFC 1]	B215674	1.48	50.0	10/25/18

Prep Method: SW-846 3050B-SW-846 6010D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18J1160-16 [DUP-2]	B215759	1.53	50.0	10/26/18

Prep Method: SW-846 3005A-SW-846 6010D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1160-01 [Field Blank 1]	B215710	50.0	50.0	10/25/18
18J1160-05 [POLISHING POND INFLUENT]	B215710	50.0	50.0	10/25/18
18J1160-08 [GFFC 2]	B215710	50.0	50.0	10/25/18
18J1160-10 [GFFC 3]	B215710	50.0	50.0	10/25/18
18J1160-12 [UNNAMED POND]	B215710	50.0	50.0	10/25/18
18J1160-14 [GFFC 1]	B215710	50.0	50.0	10/25/18
18J1160-18 [MW-2]	B215710	50.0	50.0	10/25/18
18J1160-19 [MW-2A]	B215710	50.0	50.0	10/25/18

Prep Method: SW-846 3005A-SW-846 6010D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1160-01RE1 [Field Blank 1]	B215918	50.0	50.0	10/29/18
18J1160-05RE1 [POLISHING POND INFLUENT]	B215918	50.0	50.0	10/29/18
18J1160-08RE1 [GFFC 2]	B215918	50.0	50.0	10/29/18
18J1160-10RE1 [GFFC 3]	B215918	50.0	50.0	10/29/18
18J1160-12RE1 [UNNAMED POND]	B215918	50.0	50.0	10/29/18
18J1160-14RE1 [GFFC 1]	B215918	50.0	50.0	10/29/18
18J1160-18RE1 [MW-2]	B215918	50.0	50.0	10/29/18
18J1160-19RE1 [MW-2A]	B215918	50.0	50.0	10/29/18

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1160-01 [Field Blank 1]	B216009	6.00	6.00	10/30/18
18J1160-05 [POLISHING POND INFLUENT]	B216009	6.00	6.00	10/30/18
18J1160-08 [GFFC 2]	B216009	6.00	6.00	10/30/18
18J1160-10 [GFFC 3]	B216009	6.00	6.00	10/30/18
18J1160-12 [UNNAMED POND]	B216009	6.00	6.00	10/30/18
18J1160-14 [GFFC 1]	B216009	6.00	6.00	10/30/18
18J1160-18 [MW-2]	B216009	6.00	6.00	10/30/18
18J1160-19 [MW-2A]	B216009	6.00	6.00	10/30/18

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18J1160-02 [CELL 3]	B215661	0.602	50.0	10/26/18
18J1160-03 [CELL 2]	B215661	0.619	50.0	10/26/18
18J1160-04 [CELL 1]	B215661	0.574	50.0	10/26/18

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

Sample Extraction Data

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18J1160-06 [POLISHING POND INFLUENT]	B215661	0.633	50.0	10/26/18
18J1160-07 [POLISHING POND EFFLUENT]	B215661	0.583	50.0	10/26/18
18J1160-09 [GFFC 2]	B215661	0.616	50.0	10/26/18
18J1160-11 [GFFC 3]	B215661	0.573	50.0	10/26/18
18J1160-13 [UNNAMED POND]	B215661	0.590	50.0	10/26/18
18J1160-15 [GFFC 1]	B215661	0.626	50.0	10/26/18
18J1160-16 [DUP-2]	B215661	0.603	50.0	10/26/18

Prep Method: SW-846 3546-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18J1160-02 [CELL 3]	B215944	10.2	10.0	10/30/18
18J1160-03 [CELL 2]	B215944	10.6	10.0	10/30/18
18J1160-04 [CELL 1]	B215944	10.6	10.0	10/30/18
18J1160-06 [POLISHING POND INFLUENT]	B215944	10.4	10.0	10/30/18
18J1160-07 [POLISHING POND EFFLUENT]	B215944	10.8	10.0	10/30/18
18J1160-09 [GFFC 2]	B215944	10.9	10.0	10/30/18
18J1160-11 [GFFC 3]	B215944	10.6	10.0	10/30/18
18J1160-13 [UNNAMED POND]	B215944	10.7	10.0	10/30/18
18J1160-15 [GFFC 1]	B215944	10.2	10.0	10/30/18
18J1160-16 [DUP-2]	B215944	10.4	10.0	10/30/18

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1160-01 [Field Blank 1]	B215817	1000	10.0	10/27/18
18J1160-05 [POLISHING POND INFLUENT]	B215817	1000	10.0	10/27/18
18J1160-08 [GFFC 2]	B215817	1000	10.0	10/27/18
18J1160-10 [GFFC 3]	B215817	1000	10.0	10/27/18
18J1160-12 [UNNAMED POND]	B215817	1000	10.0	10/27/18
18J1160-14 [GFFC 1]	B215817	1000	10.0	10/27/18
18J1160-18 [MW-2]	B215817	1000	10.0	10/27/18
18J1160-19 [MW-2A]	B215817	1000	10.0	10/27/18

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18J1160-02 [CELL 3]	B215664	3.88	10.0	10/25/18
18J1160-03 [CELL 2]	B215664	5.91	10.0	10/25/18
18J1160-04 [CELL 1]	B215664	5.21	10.0	10/25/18
18J1160-06 [POLISHING POND INFLUENT]	B215664	5.80	10.0	10/25/18
18J1160-07 [POLISHING POND EFFLUENT]	B215664	5.38	10.0	10/25/18
18J1160-09 [GFFC 2]	B215664	5.81	10.0	10/25/18
18J1160-11 [GFFC 3]	B215664	5.12	10.0	10/25/18
18J1160-13 [UNNAMED POND]	B215664	5.01	10.0	10/25/18
18J1160-15 [GFFC 1]	B215664	5.03	10.0	10/25/18

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date

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**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18J1160-16 [DUP-2]	B215720	4.68	10.0	10/25/18

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1160-01 [Field Blank 1]	B215949	5	5.00	10/30/18
18J1160-05 [POLISHING POND INFLUENT]	B215949	5	5.00	10/30/18
18J1160-08 [GFFC 2]	B215949	5	5.00	10/30/18
18J1160-10 [GFFC 3]	B215949	5	5.00	10/30/18
18J1160-12 [UNNAMED POND]	B215949	5	5.00	10/30/18
18J1160-14 [GFFC 1]	B215949	5	5.00	10/30/18
18J1160-17 [TRIP BLANK]	B215949	5	5.00	10/30/18
18J1160-18 [MW-2]	B215949	5	5.00	10/30/18
18J1160-19 [MW-2A]	B215949	5	5.00	10/30/18

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 B215664 - SW-846 5035

Blank (B215664-BLK1)

Prepared & Analyzed: 10/25/18

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

Batch B215664 - SW-846 5035

Blank (B215664-BLK1)

Prepared & Analyzed: 10/25/18

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	0.0519		mg/Kg wet	0.0500		104	70-130			
Surrogate: Toluene-d8	0.0482		mg/Kg wet	0.0500		96.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.0489		mg/Kg wet	0.0500		97.9	70-130			

LCS (B215664-BS1)

Prepared & Analyzed: 10/25/18

Acetone	0.213	0.10	mg/Kg wet	0.200		106	70-160			†
Acrylonitrile	0.0168	0.0060	mg/Kg wet	0.0200		84.0	70-130			
tert-Amyl Methyl Ether (TAME)	0.0192	0.0010	mg/Kg wet	0.0200		96.0	70-130			
Benzene	0.0181	0.0020	mg/Kg wet	0.0200		90.7	70-130			
Bromobenzene	0.0179	0.0020	mg/Kg wet	0.0200		89.3	70-130			
Bromochloromethane	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
Bromodichloromethane	0.0182	0.0020	mg/Kg wet	0.0200		90.9	70-130			
Bromoform	0.0188	0.0020	mg/Kg wet	0.0200		94.2	70-130			
Bromomethane	0.0123	0.010	mg/Kg wet	0.0200		61.3	40-130	V-34		†
2-Butanone (MEK)	0.211	0.040	mg/Kg wet	0.200		106	70-160			†
tert-Butyl Alcohol (TBA)	0.178	0.040	mg/Kg wet	0.200		89.0	40-130			†
n-Butylbenzene	0.0187	0.0020	mg/Kg wet	0.0200		93.3	70-130			
sec-Butylbenzene	0.0192	0.0020	mg/Kg wet	0.0200		95.9	70-130			
tert-Butylbenzene	0.0194	0.0020	mg/Kg wet	0.0200		96.9	70-160			†
tert-Butyl Ethyl Ether (TBEE)	0.0191	0.0010	mg/Kg wet	0.0200		95.6	70-130			
Carbon Disulfide	0.0190	0.0060	mg/Kg wet	0.0200		95.1	70-130			
Carbon Tetrachloride	0.0193	0.0020	mg/Kg wet	0.0200		96.3	70-130			
Chlorobenzene	0.0196	0.0020	mg/Kg wet	0.0200		97.8	70-130			
Chlorodibromomethane	0.0203	0.0010	mg/Kg wet	0.0200		102	70-130			
Chloroethane	0.0162	0.020	mg/Kg wet	0.0200		81.1	70-130			
Chloroform	0.0186	0.0040	mg/Kg wet	0.0200		93.1	70-130			

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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 B215664 - SW-846 5035										
LCS (B215664-BS1)				Prepared & Analyzed: 10/25/18						
Chloromethane	0.0194	0.010	mg/Kg wet	0.0200		96.8	70-130			
2-Chlorotoluene	0.0187	0.0020	mg/Kg wet	0.0200		93.7	70-130			
4-Chlorotoluene	0.0189	0.0020	mg/Kg wet	0.0200		94.5	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0224	0.0020	mg/Kg wet	0.0200		112	70-130			
1,2-Dibromoethane (EDB)	0.0201	0.0010	mg/Kg wet	0.0200		101	70-130			
Dibromomethane	0.0192	0.0020	mg/Kg wet	0.0200		96.1	70-130			
1,2-Dichlorobenzene	0.0193	0.0020	mg/Kg wet	0.0200		96.4	70-130			
1,3-Dichlorobenzene	0.0196	0.0020	mg/Kg wet	0.0200		97.8	70-130			
1,4-Dichlorobenzene	0.0182	0.0020	mg/Kg wet	0.0200		91.2	70-130			
trans-1,4-Dichloro-2-butene	0.0180	0.0040	mg/Kg wet	0.0200		89.9	70-130			
Dichlorodifluoromethane (Freon 12)	0.0227	0.020	mg/Kg wet	0.0200		113	40-160			†
1,1-Dichloroethane	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130			
1,2-Dichloroethane	0.0200	0.0020	mg/Kg wet	0.0200		99.8	70-130			
1,1-Dichloroethylene	0.0188	0.0040	mg/Kg wet	0.0200		94.0	70-130			
cis-1,2-Dichloroethylene	0.0176	0.0020	mg/Kg wet	0.0200		88.2	70-130			
trans-1,2-Dichloroethylene	0.0191	0.0020	mg/Kg wet	0.0200		95.7	70-130			
1,2-Dichloropropane	0.0186	0.0020	mg/Kg wet	0.0200		93.2	70-130			
1,3-Dichloropropane	0.0189	0.0010	mg/Kg wet	0.0200		94.5	70-130			
2,2-Dichloropropane	0.0172	0.0020	mg/Kg wet	0.0200		85.9	70-130			
1,1-Dichloropropene	0.0192	0.0020	mg/Kg wet	0.0200		95.8	70-130			
cis-1,3-Dichloropropene	0.0189	0.0010	mg/Kg wet	0.0200		94.4	70-130			
trans-1,3-Dichloropropene	0.0188	0.0010	mg/Kg wet	0.0200		94.2	70-130			
Diethyl Ether	0.0187	0.020	mg/Kg wet	0.0200		93.4	70-130			J
Diisopropyl Ether (DIPE)	0.0188	0.0010	mg/Kg wet	0.0200		93.9	70-130			
1,4-Dioxane	0.178	0.10	mg/Kg wet	0.200		88.8	40-160		V-36	†
Ethylbenzene	0.0186	0.0020	mg/Kg wet	0.0200		93.1	70-130			
Hexachlorobutadiene	0.0195	0.0020	mg/Kg wet	0.0200		97.3	70-160			†
2-Hexanone (MBK)	0.207	0.020	mg/Kg wet	0.200		104	70-160			†
Isopropylbenzene (Cumene)	0.0200	0.0020	mg/Kg wet	0.0200		100	70-130			
p-Isopropyltoluene (p-Cymene)	0.0186	0.0020	mg/Kg wet	0.0200		93.0	70-130			
Methyl Acetate	0.0287	0.0020	mg/Kg wet	0.0200		144 *	70-130			L-02
Methyl tert-Butyl Ether (MTBE)	0.0196	0.0040	mg/Kg wet	0.0200		97.8	70-130			
Methyl Cyclohexane	0.0177	0.0020	mg/Kg wet	0.0200		88.5	70-130			
Methylene Chloride	0.0215	0.020	mg/Kg wet	0.0200		108	40-160			†
4-Methyl-2-pentanone (MIBK)	0.206	0.020	mg/Kg wet	0.200		103	70-160			†
Naphthalene	0.0197	0.0040	mg/Kg wet	0.0200		98.3	40-130			†
n-Propylbenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.4	70-130			
Styrene	0.0190	0.0020	mg/Kg wet	0.0200		94.9	70-130			
1,1,1,2-Tetrachloroethane	0.0195	0.0020	mg/Kg wet	0.0200		97.5	70-130			
1,1,2,2-Tetrachloroethane	0.0193	0.0010	mg/Kg wet	0.0200		96.4	70-130			
Tetrachloroethylene	0.0188	0.0020	mg/Kg wet	0.0200		93.9	70-130			
Tetrahydrofuran	0.0188	0.010	mg/Kg wet	0.0200		94.1	70-130			
Toluene	0.0175	0.0020	mg/Kg wet	0.0200		87.7	70-130			
1,2,3-Trichlorobenzene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
1,2,4-Trichlorobenzene	0.0211	0.0020	mg/Kg wet	0.0200		106	70-130			
1,3,5-Trichlorobenzene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130			
1,1,1-Trichloroethane	0.0180	0.0020	mg/Kg wet	0.0200		90.0	70-130			
1,1,2-Trichloroethane	0.0190	0.0020	mg/Kg wet	0.0200		95.2	70-130			
Trichloroethylene	0.0193	0.0020	mg/Kg wet	0.0200		96.4	70-130			
Trichlorofluoromethane (Freon 11)	0.0178	0.010	mg/Kg wet	0.0200		89.0	70-130			
1,2,3-Trichloropropane	0.0194	0.0020	mg/Kg wet	0.0200		97.2	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 B215664 - SW-846 5035										
LCS (B215664-BS1)				Prepared & Analyzed: 10/25/18						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0191	0.010	mg/Kg wet	0.0200		95.4	70-130			
1,2,4-Trimethylbenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.3	70-130			
1,3,5-Trimethylbenzene	0.0186	0.0020	mg/Kg wet	0.0200		92.9	70-130			
Vinyl Chloride	0.0189	0.010	mg/Kg wet	0.0200		94.7	40-130			†
m+p Xylene	0.0361	0.0040	mg/Kg wet	0.0400		90.4	70-130			
o-Xylene	0.0186	0.0020	mg/Kg wet	0.0200		93.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0515		mg/Kg wet	0.0500		103	70-130			
Surrogate: Toluene-d8	0.0484		mg/Kg wet	0.0500		96.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.0478		mg/Kg wet	0.0500		95.7	70-130			
LCS Dup (B215664-BS1)				Prepared & Analyzed: 10/25/18						
Acetone	0.206	0.10	mg/Kg wet	0.200		103	70-160	3.20	25	†
Acrylonitrile	0.0163	0.0060	mg/Kg wet	0.0200		81.5	70-130	3.02	25	
tert-Amyl Methyl Ether (TAME)	0.0183	0.0010	mg/Kg wet	0.0200		91.6	70-130	4.69	25	
Benzene	0.0169	0.0020	mg/Kg wet	0.0200		84.5	70-130	7.08	25	
Bromobenzene	0.0180	0.0020	mg/Kg wet	0.0200		90.2	70-130	1.00	25	
Bromochloromethane	0.0196	0.0020	mg/Kg wet	0.0200		97.8	70-130	4.99	25	
Bromodichloromethane	0.0169	0.0020	mg/Kg wet	0.0200		84.7	70-130	7.06	25	
Bromoform	0.0188	0.0020	mg/Kg wet	0.0200		94.0	70-130	0.213	25	
Bromomethane	0.0147	0.010	mg/Kg wet	0.0200		73.5	40-130	18.1	25	V-34 †
2-Butanone (MEK)	0.207	0.040	mg/Kg wet	0.200		104	70-160	1.86	25	†
tert-Butyl Alcohol (TBA)	0.169	0.040	mg/Kg wet	0.200		84.5	40-130	5.14	25	†
n-Butylbenzene	0.0177	0.0020	mg/Kg wet	0.0200		88.4	70-130	5.39	25	
sec-Butylbenzene	0.0182	0.0020	mg/Kg wet	0.0200		90.9	70-130	5.35	25	
tert-Butylbenzene	0.0179	0.0020	mg/Kg wet	0.0200		89.3	70-160	8.16	25	†
tert-Butyl Ethyl Ether (TBEE)	0.0181	0.0010	mg/Kg wet	0.0200		90.6	70-130	5.37	25	
Carbon Disulfide	0.0181	0.0060	mg/Kg wet	0.0200		90.6	70-130	4.85	25	
Carbon Tetrachloride	0.0183	0.0020	mg/Kg wet	0.0200		91.6	70-130	5.00	25	
Chlorobenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.3	70-130	2.59	25	
Chlorodibromomethane	0.0200	0.0010	mg/Kg wet	0.0200		100	70-130	1.39	25	
Chloroethane	0.0165	0.020	mg/Kg wet	0.0200		82.5	70-130	1.71	25	J
Chloroform	0.0177	0.0040	mg/Kg wet	0.0200		88.3	70-130	5.29	25	
Chloromethane	0.0188	0.010	mg/Kg wet	0.0200		94.0	70-130	2.94	25	
2-Chlorotoluene	0.0184	0.0020	mg/Kg wet	0.0200		92.1	70-130	1.72	25	
4-Chlorotoluene	0.0186	0.0020	mg/Kg wet	0.0200		93.0	70-130	1.60	25	
1,2-Dibromo-3-chloropropane (DBCP)	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	8.45	25	
1,2-Dibromoethane (EDB)	0.0185	0.0010	mg/Kg wet	0.0200		92.4	70-130	8.60	25	
Dibromomethane	0.0179	0.0020	mg/Kg wet	0.0200		89.6	70-130	7.00	25	
1,2-Dichlorobenzene	0.0192	0.0020	mg/Kg wet	0.0200		96.0	70-130	0.416	25	
1,3-Dichlorobenzene	0.0192	0.0020	mg/Kg wet	0.0200		96.2	70-130	1.65	25	
1,4-Dichlorobenzene	0.0178	0.0020	mg/Kg wet	0.0200		89.0	70-130	2.44	25	
trans-1,4-Dichloro-2-butene	0.0182	0.0040	mg/Kg wet	0.0200		91.2	70-130	1.44	25	
Dichlorodifluoromethane (Freon 12)	0.0214	0.020	mg/Kg wet	0.0200		107	40-160	5.99	25	†
1,1-Dichloroethane	0.0181	0.0020	mg/Kg wet	0.0200		90.5	70-130	3.58	25	
1,2-Dichloroethane	0.0182	0.0020	mg/Kg wet	0.0200		90.9	70-130	9.33	25	
1,1-Dichloroethylene	0.0180	0.0040	mg/Kg wet	0.0200		90.1	70-130	4.24	25	
cis-1,2-Dichloroethylene	0.0168	0.0020	mg/Kg wet	0.0200		83.9	70-130	5.00	25	
trans-1,2-Dichloroethylene	0.0181	0.0020	mg/Kg wet	0.0200		90.3	70-130	5.81	25	
1,2-Dichloropropane	0.0179	0.0020	mg/Kg wet	0.0200		89.4	70-130	4.16	25	
1,3-Dichloropropane	0.0185	0.0010	mg/Kg wet	0.0200		92.3	70-130	2.36	25	
2,2-Dichloropropane	0.0166	0.0020	mg/Kg wet	0.0200		82.9	70-130	3.55	25	
1,1-Dichloropropene	0.0174	0.0020	mg/Kg wet	0.0200		87.2	70-130	9.40	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 B215664 - SW-846 5035										
LCS Dup (B215664-BSD1)				Prepared & Analyzed: 10/25/18						
cis-1,3-Dichloropropene	0.0179	0.0010	mg/Kg wet	0.0200		89.5	70-130	5.33	25	
trans-1,3-Dichloropropene	0.0177	0.0010	mg/Kg wet	0.0200		88.5	70-130	6.24	25	
Diethyl Ether	0.0179	0.020	mg/Kg wet	0.0200		89.3	70-130	4.49	25	J
Diisopropyl Ether (DIPE)	0.0176	0.0010	mg/Kg wet	0.0200		88.2	70-130	6.26	25	
1,4-Dioxane	0.171	0.10	mg/Kg wet	0.200		85.7	40-160	3.64	50	V-36 † ‡
Ethylbenzene	0.0180	0.0020	mg/Kg wet	0.0200		90.2	70-130	3.16	25	
Hexachlorobutadiene	0.0180	0.0020	mg/Kg wet	0.0200		89.9	70-160	7.91	25	
2-Hexanone (MBK)	0.206	0.020	mg/Kg wet	0.200		103	70-160	0.416	25	†
Isopropylbenzene (Cumene)	0.0191	0.0020	mg/Kg wet	0.0200		95.6	70-130	4.50	25	
p-Isopropyltoluene (p-Cymene)	0.0175	0.0020	mg/Kg wet	0.0200		87.5	70-130	6.09	25	
Methyl Acetate	0.0287	0.0020	mg/Kg wet	0.0200		143	* 70-130	0.139	25	L-02
Methyl tert-Butyl Ether (MTBE)	0.0192	0.0040	mg/Kg wet	0.0200		96.0	70-130	1.86	25	
Methyl Cyclohexane	0.0172	0.0020	mg/Kg wet	0.0200		86.0	70-130	2.87	25	
Methylene Chloride	0.0208	0.020	mg/Kg wet	0.0200		104	40-160	3.30	25	†
4-Methyl-2-pentanone (MIBK)	0.201	0.020	mg/Kg wet	0.200		101	70-160	2.10	25	†
Naphthalene	0.0193	0.0040	mg/Kg wet	0.0200		96.5	40-130	1.85	25	†
n-Propylbenzene	0.0182	0.0020	mg/Kg wet	0.0200		90.9	70-130	4.83	25	
Styrene	0.0185	0.0020	mg/Kg wet	0.0200		92.7	70-130	2.35	25	
1,1,1,2-Tetrachloroethane	0.0186	0.0020	mg/Kg wet	0.0200		92.8	70-130	4.94	25	
1,1,2,2-Tetrachloroethane	0.0194	0.0010	mg/Kg wet	0.0200		97.1	70-130	0.724	25	
Tetrachloroethylene	0.0176	0.0020	mg/Kg wet	0.0200		88.0	70-130	6.49	25	
Tetrahydrofuran	0.0207	0.010	mg/Kg wet	0.0200		104	70-130	9.51	25	
Toluene	0.0162	0.0020	mg/Kg wet	0.0200		81.0	70-130	7.94	25	
1,2,3-Trichlorobenzene	0.0188	0.0020	mg/Kg wet	0.0200		93.9	70-130	9.15	25	
1,2,4-Trichlorobenzene	0.0198	0.0020	mg/Kg wet	0.0200		98.9	70-130	6.46	25	
1,3,5-Trichlorobenzene	0.0198	0.0020	mg/Kg wet	0.0200		98.8	70-130	3.09	25	
1,1,1-Trichloroethane	0.0171	0.0020	mg/Kg wet	0.0200		85.7	70-130	4.89	25	
1,1,2-Trichloroethane	0.0177	0.0020	mg/Kg wet	0.0200		88.7	70-130	7.07	25	
Trichloroethylene	0.0180	0.0020	mg/Kg wet	0.0200		90.0	70-130	6.87	25	
Trichlorofluoromethane (Freon 11)	0.0163	0.010	mg/Kg wet	0.0200		81.7	70-130	8.55	25	
1,2,3-Trichloropropane	0.0194	0.0020	mg/Kg wet	0.0200		97.0	70-130	0.206	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0174	0.010	mg/Kg wet	0.0200		87.2	70-130	8.98	25	
1,2,4-Trimethylbenzene	0.0176	0.0020	mg/Kg wet	0.0200		88.0	70-130	2.58	25	
1,3,5-Trimethylbenzene	0.0176	0.0020	mg/Kg wet	0.0200		88.1	70-130	5.30	25	
Vinyl Chloride	0.0176	0.010	mg/Kg wet	0.0200		88.1	40-130	7.22	25	†
m+p Xylene	0.0355	0.0040	mg/Kg wet	0.0400		88.8	70-130	1.79	25	
o-Xylene	0.0177	0.0020	mg/Kg wet	0.0200		88.6	70-130	4.85	25	
Surrogate: 1,2-Dichloroethane-d4	0.0506		mg/Kg wet	0.0500		101	70-130			
Surrogate: Toluene-d8	0.0479		mg/Kg wet	0.0500		95.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.0491		mg/Kg wet	0.0500		98.2	70-130			

Batch B215720 - SW-846 5035

Blank (B215720-BLK1)				Prepared & Analyzed: 10/26/18						
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

Batch B215720 - SW-846 5035
Blank (B215720-BLK1)

Prepared & Analyzed: 10/26/18

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

Batch B215720 - SW-846 5035

Blank (B215720-BLK1)

Prepared & Analyzed: 10/26/18

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	0.0513		mg/Kg wet	0.0500		103	70-130			
Surrogate: Toluene-d8	0.0479		mg/Kg wet	0.0500		95.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.0489		mg/Kg wet	0.0500		97.8	70-130			

LCS (B215720-BS1)

Prepared & Analyzed: 10/26/18

Acetone	0.281	0.10	mg/Kg wet	0.200		141	70-160			†
Acrylonitrile	0.0177	0.0060	mg/Kg wet	0.0200		88.7	70-130			
tert-Amyl Methyl Ether (TAME)	0.0194	0.0010	mg/Kg wet	0.0200		96.9	70-130			
Benzene	0.0177	0.0020	mg/Kg wet	0.0200		88.6	70-130			
Bromobenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.3	70-130			
Bromochloromethane	0.0215	0.0020	mg/Kg wet	0.0200		107	70-130			
Bromodichloromethane	0.0175	0.0020	mg/Kg wet	0.0200		87.6	70-130			
Bromoform	0.0191	0.0020	mg/Kg wet	0.0200		95.3	70-130			
Bromomethane	0.0105	0.010	mg/Kg wet	0.0200		52.3	40-130	V-34		†
2-Butanone (MEK)	0.249	0.040	mg/Kg wet	0.200		125	70-160			†
tert-Butyl Alcohol (TBA)	0.195	0.040	mg/Kg wet	0.200		97.5	40-130			†
n-Butylbenzene	0.0193	0.0020	mg/Kg wet	0.0200		96.3	70-130			
sec-Butylbenzene	0.0195	0.0020	mg/Kg wet	0.0200		97.5	70-130			
tert-Butylbenzene	0.0188	0.0020	mg/Kg wet	0.0200		93.9	70-160			†
tert-Butyl Ethyl Ether (TBEE)	0.0191	0.0010	mg/Kg wet	0.0200		95.3	70-130			
Carbon Disulfide	0.0189	0.0060	mg/Kg wet	0.0200		94.6	70-130			
Carbon Tetrachloride	0.0196	0.0020	mg/Kg wet	0.0200		98.1	70-130			
Chlorobenzene	0.0197	0.0020	mg/Kg wet	0.0200		98.4	70-130			
Chlorodibromomethane	0.0212	0.0010	mg/Kg wet	0.0200		106	70-130			
Chloroethane	0.0167	0.020	mg/Kg wet	0.0200		83.4	70-130		J	
Chloroform	0.0183	0.0040	mg/Kg wet	0.0200		91.4	70-130			
Chloromethane	0.0198	0.010	mg/Kg wet	0.0200		98.9	70-130			
2-Chlorotoluene	0.0190	0.0020	mg/Kg wet	0.0200		94.9	70-130			
4-Chlorotoluene	0.0199	0.0020	mg/Kg wet	0.0200		99.4	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0226	0.0020	mg/Kg wet	0.0200		113	70-130			
1,2-Dibromoethane (EDB)	0.0202	0.0010	mg/Kg wet	0.0200		101	70-130			
Dibromomethane	0.0195	0.0020	mg/Kg wet	0.0200		97.6	70-130			
1,2-Dichlorobenzene	0.0219	0.0020	mg/Kg wet	0.0200		110	70-130			
1,3-Dichlorobenzene	0.0214	0.0020	mg/Kg wet	0.0200		107	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 B215720 - SW-846 5035										
LCS (B215720-BS1)				Prepared & Analyzed: 10/26/18						
1,4-Dichlorobenzene	0.0197	0.0020	mg/Kg wet	0.0200		98.6	70-130			
trans-1,4-Dichloro-2-butene	0.0195	0.0040	mg/Kg wet	0.0200		97.6	70-130			
Dichlorodifluoromethane (Freon 12)	0.0218	0.020	mg/Kg wet	0.0200		109	40-160			†
1,1-Dichloroethane	0.0192	0.0020	mg/Kg wet	0.0200		95.8	70-130			
1,2-Dichloroethane	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130			
1,1-Dichloroethylene	0.0187	0.0040	mg/Kg wet	0.0200		93.3	70-130			
cis-1,2-Dichloroethylene	0.0185	0.0020	mg/Kg wet	0.0200		92.6	70-130			
trans-1,2-Dichloroethylene	0.0189	0.0020	mg/Kg wet	0.0200		94.5	70-130			
1,2-Dichloropropane	0.0197	0.0020	mg/Kg wet	0.0200		98.3	70-130			
1,3-Dichloropropane	0.0190	0.0010	mg/Kg wet	0.0200		95.0	70-130			
2,2-Dichloropropane	0.0176	0.0020	mg/Kg wet	0.0200		88.0	70-130			
1,1-Dichloropropene	0.0200	0.0020	mg/Kg wet	0.0200		100	70-130			
cis-1,3-Dichloropropene	0.0192	0.0010	mg/Kg wet	0.0200		96.2	70-130			
trans-1,3-Dichloropropene	0.0193	0.0010	mg/Kg wet	0.0200		96.3	70-130			
Diethyl Ether	0.0197	0.020	mg/Kg wet	0.0200		98.4	70-130			J
Diisopropyl Ether (DIPE)	0.0191	0.0010	mg/Kg wet	0.0200		95.6	70-130			
1,4-Dioxane	0.218	0.10	mg/Kg wet	0.200		109	40-160			V-36 †
Ethylbenzene	0.0186	0.0020	mg/Kg wet	0.0200		93.1	70-130			
Hexachlorobutadiene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-160			
2-Hexanone (MBK)	0.234	0.020	mg/Kg wet	0.200		117	70-160			†
Isopropylbenzene (Cumene)	0.0193	0.0020	mg/Kg wet	0.0200		96.5	70-130			
p-Isopropyltoluene (p-Cymene)	0.0190	0.0020	mg/Kg wet	0.0200		94.9	70-130			
Methyl Acetate	0.0305	0.0020	mg/Kg wet	0.0200		152 *	70-130			L-02
Methyl tert-Butyl Ether (MTBE)	0.0201	0.0040	mg/Kg wet	0.0200		101	70-130			
Methyl Cyclohexane	0.0178	0.0020	mg/Kg wet	0.0200		89.2	70-130			
Methylene Chloride	0.0215	0.020	mg/Kg wet	0.0200		107	40-160			†
4-Methyl-2-pentanone (MIBK)	0.211	0.020	mg/Kg wet	0.200		105	70-160			†
Naphthalene	0.0209	0.0040	mg/Kg wet	0.0200		104	40-130			†
n-Propylbenzene	0.0193	0.0020	mg/Kg wet	0.0200		96.4	70-130			
Styrene	0.0191	0.0020	mg/Kg wet	0.0200		95.3	70-130			
1,1,1,2-Tetrachloroethane	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130			
1,1,2,2-Tetrachloroethane	0.0200	0.0010	mg/Kg wet	0.0200		100	70-130			
Tetrachloroethylene	0.0187	0.0020	mg/Kg wet	0.0200		93.4	70-130			
Tetrahydrofuran	0.0202	0.010	mg/Kg wet	0.0200		101	70-130			
Toluene	0.0174	0.0020	mg/Kg wet	0.0200		86.8	70-130			
1,2,3-Trichlorobenzene	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130			
1,2,4-Trichlorobenzene	0.0228	0.0020	mg/Kg wet	0.0200		114	70-130			
1,3,5-Trichlorobenzene	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130			
1,1,1-Trichloroethane	0.0183	0.0020	mg/Kg wet	0.0200		91.5	70-130			
1,1,2-Trichloroethane	0.0184	0.0020	mg/Kg wet	0.0200		91.9	70-130			
Trichloroethylene	0.0189	0.0020	mg/Kg wet	0.0200		94.6	70-130			
Trichlorofluoromethane (Freon 11)	0.0172	0.010	mg/Kg wet	0.0200		85.8	70-130			
1,2,3-Trichloropropane	0.0207	0.0020	mg/Kg wet	0.0200		103	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0171	0.010	mg/Kg wet	0.0200		85.4	70-130			
1,2,4-Trimethylbenzene	0.0186	0.0020	mg/Kg wet	0.0200		92.8	70-130			
1,3,5-Trimethylbenzene	0.0193	0.0020	mg/Kg wet	0.0200		96.3	70-130			
Vinyl Chloride	0.0184	0.010	mg/Kg wet	0.0200		91.9	40-130			†
m+p Xylene	0.0370	0.0040	mg/Kg wet	0.0400		92.4	70-130			
o-Xylene	0.0188	0.0020	mg/Kg wet	0.0200		94.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0525		mg/Kg wet	0.0500		105	70-130			
Surrogate: Toluene-d8	0.0485		mg/Kg wet	0.0500		97.0	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 B215720 - SW-846 5035										
LCS (B215720-BS1)										
Prepared & Analyzed: 10/26/18										
Surrogate: 4-Bromofluorobenzene	0.0491		mg/Kg wet	0.0500		98.2	70-130			
LCS Dup (B215720-BSD1)										
Prepared & Analyzed: 10/26/18										
Acetone	0.261	0.10	mg/Kg wet	0.200		131	70-160	7.29	25	†
Acrylonitrile	0.0180	0.0060	mg/Kg wet	0.0200		90.0	70-130	1.45	25	
tert-Amyl Methyl Ether (TAME)	0.0189	0.0010	mg/Kg wet	0.0200		94.4	70-130	2.61	25	
Benzene	0.0182	0.0020	mg/Kg wet	0.0200		91.0	70-130	2.67	25	
Bromobenzene	0.0185	0.0020	mg/Kg wet	0.0200		92.5	70-130	2.98	25	
Bromochloromethane	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130	3.02	25	
Bromodichloromethane	0.0181	0.0020	mg/Kg wet	0.0200		90.7	70-130	3.48	25	
Bromoform	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130	5.61	25	
Bromomethane	0.00980	0.010	mg/Kg wet	0.0200		49.0	40-130	6.52	25	V-34, J †
2-Butanone (MEK)	0.231	0.040	mg/Kg wet	0.200		115	70-160	7.76	25	†
tert-Butyl Alcohol (TBA)	0.191	0.040	mg/Kg wet	0.200		95.4	40-130	2.17	25	†
n-Butylbenzene	0.0192	0.0020	mg/Kg wet	0.0200		95.8	70-130	0.521	25	
sec-Butylbenzene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130	3.03	25	
tert-Butylbenzene	0.0193	0.0020	mg/Kg wet	0.0200		96.4	70-160	2.63	25	†
tert-Butyl Ethyl Ether (TBEE)	0.0187	0.0010	mg/Kg wet	0.0200		93.3	70-130	2.12	25	
Carbon Disulfide	0.0185	0.0060	mg/Kg wet	0.0200		92.7	70-130	2.03	25	
Carbon Tetrachloride	0.0198	0.0020	mg/Kg wet	0.0200		99.2	70-130	1.12	25	
Chlorobenzene	0.0194	0.0020	mg/Kg wet	0.0200		97.1	70-130	1.33	25	
Chlorodibromomethane	0.0208	0.0010	mg/Kg wet	0.0200		104	70-130	1.52	25	
Chloroethane	0.0166	0.020	mg/Kg wet	0.0200		83.2	70-130	0.240	25	J
Chloroform	0.0185	0.0040	mg/Kg wet	0.0200		92.4	70-130	1.09	25	
Chloromethane	0.0192	0.010	mg/Kg wet	0.0200		96.1	70-130	2.87	25	
2-Chlorotoluene	0.0190	0.0020	mg/Kg wet	0.0200		95.2	70-130	0.316	25	
4-Chlorotoluene	0.0188	0.0020	mg/Kg wet	0.0200		93.9	70-130	5.69	25	
1,2-Dibromo-3-chloropropane (DBCP)	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130	4.72	25	
1,2-Dibromoethane (EDB)	0.0197	0.0010	mg/Kg wet	0.0200		98.6	70-130	2.60	25	
Dibromomethane	0.0207	0.0020	mg/Kg wet	0.0200		103	70-130	5.77	25	
1,2-Dichlorobenzene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130	7.09	25	
1,3-Dichlorobenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.4	70-130	7.27	25	
1,4-Dichlorobenzene	0.0190	0.0020	mg/Kg wet	0.0200		95.2	70-130	3.51	25	
trans-1,4-Dichloro-2-butene	0.0183	0.0040	mg/Kg wet	0.0200		91.3	70-130	6.67	25	
Dichlorodifluoromethane (Freon 12)	0.0213	0.020	mg/Kg wet	0.0200		107	40-160	2.13	25	†
1,1-Dichloroethane	0.0192	0.0020	mg/Kg wet	0.0200		96.1	70-130	0.313	25	
1,2-Dichloroethane	0.0196	0.0020	mg/Kg wet	0.0200		98.0	70-130	2.52	25	
1,1-Dichloroethylene	0.0188	0.0040	mg/Kg wet	0.0200		93.8	70-130	0.534	25	
cis-1,2-Dichloroethylene	0.0178	0.0020	mg/Kg wet	0.0200		89.1	70-130	3.85	25	
trans-1,2-Dichloroethylene	0.0190	0.0020	mg/Kg wet	0.0200		95.2	70-130	0.738	25	
1,2-Dichloropropane	0.0180	0.0020	mg/Kg wet	0.0200		90.0	70-130	8.82	25	
1,3-Dichloropropane	0.0191	0.0010	mg/Kg wet	0.0200		95.5	70-130	0.525	25	
2,2-Dichloropropane	0.0171	0.0020	mg/Kg wet	0.0200		85.5	70-130	2.88	25	
1,1-Dichloropropene	0.0168	0.0020	mg/Kg wet	0.0200		83.9	70-130	17.5	25	
cis-1,3-Dichloropropene	0.0188	0.0010	mg/Kg wet	0.0200		94.2	70-130	2.10	25	
trans-1,3-Dichloropropene	0.0196	0.0010	mg/Kg wet	0.0200		97.9	70-130	1.65	25	
Diethyl Ether	0.0193	0.020	mg/Kg wet	0.0200		96.5	70-130	1.95	25	J
Diisopropyl Ether (DIPE)	0.0190	0.0010	mg/Kg wet	0.0200		94.9	70-130	0.735	25	
1,4-Dioxane	0.249	0.10	mg/Kg wet	0.200		124	40-160	13.2	50	V-36 † ‡
Ethylbenzene	0.0188	0.0020	mg/Kg wet	0.0200		94.0	70-130	0.962	25	
Hexachlorobutadiene	0.0205	0.0020	mg/Kg wet	0.0200		103	70-160	1.27	25	
2-Hexanone (MBK)	0.211	0.020	mg/Kg wet	0.200		105	70-160	10.4	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 B215720 - SW-846 5035										
LCS Dup (B215720-BSD1)				Prepared & Analyzed: 10/26/18						
Isopropylbenzene (Cumene)	0.0200	0.0020	mg/Kg wet	0.0200		99.8	70-130	3.36	25	
p-Isopropyltoluene (p-Cymene)	0.0181	0.0020	mg/Kg wet	0.0200		90.3	70-130	4.97	25	
Methyl Acetate	0.0322	0.0020	mg/Kg wet	0.0200		161	* 70-130	5.43	25	L-02
Methyl tert-Butyl Ether (MTBE)	0.0196	0.0040	mg/Kg wet	0.0200		98.2	70-130	2.41	25	
Methyl Cyclohexane	0.0172	0.0020	mg/Kg wet	0.0200		86.1	70-130	3.54	25	
Methylene Chloride	0.0209	0.020	mg/Kg wet	0.0200		105	40-160	2.64	25	†
4-Methyl-2-pentanone (MIBK)	0.206	0.020	mg/Kg wet	0.200		103	70-160	2.43	25	†
Naphthalene	0.0191	0.0040	mg/Kg wet	0.0200		95.5	40-130	8.90	25	†
n-Propylbenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.4	70-130	1.04	25	
Styrene	0.0189	0.0020	mg/Kg wet	0.0200		94.3	70-130	1.05	25	
1,1,1,2-Tetrachloroethane	0.0190	0.0020	mg/Kg wet	0.0200		95.0	70-130	8.56	25	
1,1,2,2-Tetrachloroethane	0.0196	0.0010	mg/Kg wet	0.0200		97.9	70-130	2.12	25	
Tetrachloroethylene	0.0186	0.0020	mg/Kg wet	0.0200		93.2	70-130	0.214	25	
Tetrahydrofuran	0.0171	0.010	mg/Kg wet	0.0200		85.6	70-130	16.4	25	
Toluene	0.0178	0.0020	mg/Kg wet	0.0200		89.0	70-130	2.50	25	
1,2,3-Trichlorobenzene	0.0196	0.0020	mg/Kg wet	0.0200		98.2	70-130	12.1	25	
1,2,4-Trichlorobenzene	0.0209	0.0020	mg/Kg wet	0.0200		105	70-130	8.59	25	
1,3,5-Trichlorobenzene	0.0209	0.0020	mg/Kg wet	0.0200		104	70-130	3.39	25	
1,1,1-Trichloroethane	0.0183	0.0020	mg/Kg wet	0.0200		91.3	70-130	0.219	25	
1,1,2-Trichloroethane	0.0180	0.0020	mg/Kg wet	0.0200		90.2	70-130	1.87	25	
Trichloroethylene	0.0187	0.0020	mg/Kg wet	0.0200		93.7	70-130	0.956	25	
Trichlorofluoromethane (Freon 11)	0.0175	0.010	mg/Kg wet	0.0200		87.5	70-130	1.96	25	
1,2,3-Trichloropropane	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130	1.56	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0176	0.010	mg/Kg wet	0.0200		87.9	70-130	2.89	25	
1,2,4-Trimethylbenzene	0.0187	0.0020	mg/Kg wet	0.0200		93.6	70-130	0.858	25	
1,3,5-Trimethylbenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.3	70-130	2.10	25	
Vinyl Chloride	0.0181	0.010	mg/Kg wet	0.0200		90.3	40-130	1.76	25	†
m+p Xylene	0.0370	0.0040	mg/Kg wet	0.0400		92.6	70-130	0.108	25	
o-Xylene	0.0186	0.0020	mg/Kg wet	0.0200		93.1	70-130	1.17	25	
Surrogate: 1,2-Dichloroethane-d4	0.0515		mg/Kg wet	0.0500		103	70-130			
Surrogate: Toluene-d8	0.0483		mg/Kg wet	0.0500		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.0480		mg/Kg wet	0.0500		96.0	70-130			

Batch B215949 - SW-846 5030B

Blank (B215949-BLK1)				Prepared: 10/30/18 Analyzed: 10/31/18						
Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							R-05
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							

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 B215949 - SW-846 5030B
Blank (B215949-BLK1)

Prepared: 10/30/18 Analyzed: 10/31/18

1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	3.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	25.2		µg/L	25.0		101	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.2		µg/L	25.0		101	70-130			

LCS (B215949-BS1)

Prepared: 10/30/18 Analyzed: 10/31/18

Acetone	97.8	50	µg/L	100		97.8	70-160		V-35	†
Benzene	10.4	1.0	µg/L	10.0		104	70-130			
Bromochloromethane	11.8	1.0	µg/L	10.0		118	70-130			
Bromodichloromethane	10.5	0.50	µg/L	10.0		105	70-130			
Bromoform	10.4	1.0	µg/L	10.0		104	70-130			
Bromomethane	4.44	2.0	µg/L	10.0		44.4	40-160		R-05	†
2-Butanone (MEK)	90.3	20	µg/L	100		90.3	40-160			†
Carbon Disulfide	10.9	4.0	µg/L	10.0		109	70-130		V-36	
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108	70-130			
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
Chlorodibromomethane	11.1	0.50	µg/L	10.0		111	70-130			
Chloroethane	9.55	2.0	µg/L	10.0		95.5	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 B215949 - SW-846 5030B

LCS (B215949-BS1)

Prepared: 10/30/18 Analyzed: 10/31/18

Cyclohexane	10.5	5.0	µg/L	10.0		105	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.73	5.0	µg/L	10.0		97.3	70-130			
1,2-Dibromoethane (EDB)	11.0	0.50	µg/L	10.0		110	70-130			
1,2-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
Dichlorodifluoromethane (Freon 12)	9.32	2.0	µg/L	10.0		93.2	40-160			†
1,1-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130			
1,2-Dichloroethane	10.9	1.0	µg/L	10.0		109	70-130			
1,1-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
cis-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130			
trans-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
1,2-Dichloropropane	10.4	1.0	µg/L	10.0		104	70-130			
cis-1,3-Dichloropropene	10.0	0.50	µg/L	10.0		100	70-130			
trans-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130			
1,4-Dioxane	119	50	µg/L	100		119	40-130		V-20	†
Ethylbenzene	10.1	1.0	µg/L	10.0		101	70-130			
2-Hexanone (MBK)	102	10	µg/L	100		102	70-160			†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104	70-130			
Methyl Acetate	16.4	1.0	µg/L	10.0		164 *	70-130		L-02	
Methyl tert-Butyl Ether (MTBE)	10.7	1.0	µg/L	10.0		107	70-130			
Methyl Cyclohexane	10.1	1.0	µg/L	10.0		101	70-130			
Methylene Chloride	10.1	5.0	µg/L	10.0		101	70-130			
4-Methyl-2-pentanone (MIBK)	94.0	10	µg/L	100		94.0	70-160			†
Styrene	10.2	1.0	µg/L	10.0		102	70-130			
1,1,1,2-Tetrachloroethane	10.7	1.0	µg/L	10.0		107	70-130			
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
Toluene	10.3	1.0	µg/L	10.0		103	70-130			
1,2,3-Trichlorobenzene	10.2	5.0	µg/L	10.0		102	70-130			
1,2,4-Trichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,1,1-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130			
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130			
Trichloroethylene	11.7	1.0	µg/L	10.0		117	70-130			
Trichlorofluoromethane (Freon 11)	10.1	2.0	µg/L	10.0		101	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0		105	70-130			
Vinyl Chloride	9.18	2.0	µg/L	10.0		91.8	40-160			†
m+p Xylene	20.7	2.0	µg/L	20.0		103	70-130			
o-Xylene	10.4	1.0	µg/L	10.0		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	24.9		µg/L	25.0		99.4	70-130			
Surrogate: Toluene-d8	25.1		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	25.9		µg/L	25.0		103	70-130			

LCS Dup (B215949-BSD1)

Prepared: 10/30/18 Analyzed: 10/31/18

Acetone	103	50	µg/L	100		103	70-160	5.09	25	V-35	†
Benzene	10.0	1.0	µg/L	10.0		100	70-130	3.23	25		
Bromochloromethane	10.9	1.0	µg/L	10.0		109	70-130	7.23	25		
Bromodichloromethane	10.4	0.50	µg/L	10.0		104	70-130	0.957	25		
Bromoform	10.3	1.0	µg/L	10.0		103	70-130	1.35	25		
Bromomethane	5.74	2.0	µg/L	10.0		57.4	40-160	25.5 *	25	R-05	†
2-Butanone (MEK)	93.1	20	µg/L	100		93.1	40-160	3.03	25		†
Carbon Disulfide	10.4	4.0	µg/L	10.0		104	70-130	4.42	25	V-36	
Carbon Tetrachloride	10.2	5.0	µg/L	10.0		102	70-130	5.15	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 B215949 - SW-846 5030B										
LCS Dup (B215949-BSD1)										
Prepared: 10/30/18 Analyzed: 10/31/18										
Chlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	0.855	25	
Chlorodibromomethane	11.3	0.50	µg/L	10.0		113	70-130	1.34	25	
Chloroethane	9.15	2.0	µg/L	10.0		91.5	70-130	4.28	25	
Cyclohexane	9.65	5.0	µg/L	10.0		96.5	70-130	8.15	25	
1,2-Dibromo-3-chloropropane (DBCP)	10.2	5.0	µg/L	10.0		102	70-130	5.11	25	
1,2-Dibromoethane (EDB)	10.9	0.50	µg/L	10.0		109	70-130	1.64	25	
1,2-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	0.291	25	
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	1.84	25	
1,4-Dichlorobenzene	9.80	1.0	µg/L	10.0		98.0	70-130	3.41	25	
Dichlorodifluoromethane (Freon 12)	8.91	2.0	µg/L	10.0		89.1	40-160	4.50	25	†
1,1-Dichloroethane	10.2	1.0	µg/L	10.0		102	70-130	3.86	25	
1,2-Dichloroethane	11.0	1.0	µg/L	10.0		110	70-130	0.824	25	
1,1-Dichloroethylene	9.61	1.0	µg/L	10.0		96.1	70-130	5.17	25	
cis-1,2-Dichloroethylene	9.53	1.0	µg/L	10.0		95.3	70-130	5.11	25	
trans-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	2.90	25	
1,2-Dichloropropane	10.2	1.0	µg/L	10.0		102	70-130	1.36	25	
cis-1,3-Dichloropropene	9.81	0.50	µg/L	10.0		98.1	70-130	2.22	25	
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	1.46	25	
1,4-Dioxane	117	50	µg/L	100		117	40-130	1.20	50	V-20 † ‡
Ethylbenzene	10.0	1.0	µg/L	10.0		100	70-130	0.993	25	
2-Hexanone (MBK)	107	10	µg/L	100		107	70-160	4.43	25	†
Isopropylbenzene (Cumene)	10.3	1.0	µg/L	10.0		103	70-130	1.54	25	
Methyl Acetate	16.7	1.0	µg/L	10.0		167 *	70-130	2.12	25	L-02
Methyl tert-Butyl Ether (MTBE)	10.6	1.0	µg/L	10.0		106	70-130	0.942	25	
Methyl Cyclohexane	9.09	1.0	µg/L	10.0		90.9	70-130	10.5	25	
Methylene Chloride	9.72	5.0	µg/L	10.0		97.2	70-130	3.44	25	
4-Methyl-2-pentanone (MIBK)	98.8	10	µg/L	100		98.8	70-160	5.03	25	†
Styrene	9.96	1.0	µg/L	10.0		99.6	70-130	2.48	25	
1,1,1,2-Tetrachloroethane	10.7	1.0	µg/L	10.0		107	70-130	0.0933	25	
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104	70-130	1.99	25	
Toluene	10.0	1.0	µg/L	10.0		100	70-130	2.36	25	
1,2,3-Trichlorobenzene	11.1	5.0	µg/L	10.0		111	70-130	7.89	25	
1,2,4-Trichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	0.963	25	
1,1,1-Trichloroethane	9.72	1.0	µg/L	10.0		97.2	70-130	4.23	25	
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130	0.566	25	
Trichloroethylene	11.3	1.0	µg/L	10.0		113	70-130	3.31	25	
Trichlorofluoromethane (Freon 11)	9.94	2.0	µg/L	10.0		99.4	70-130	1.70	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.79	1.0	µg/L	10.0		97.9	70-130	7.28	25	
Vinyl Chloride	9.18	2.0	µg/L	10.0		91.8	40-160	0.00	25	†
m+p Xylene	20.0	2.0	µg/L	20.0		100	70-130	3.34	25	
o-Xylene	10.1	1.0	µg/L	10.0		101	70-130	2.34	25	
Surrogate: 1,2-Dichloroethane-d4	25.0		µg/L	25.0		99.9	70-130			
Surrogate: Toluene-d8	25.3		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.5		µg/L	25.0		102	70-130			

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

QUALITY CONTROL
Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch B215817 - SW-846 3510C
Blank (B215817-BLK1)

Prepared: 10/27/18 Analyzed: 10/29/18

Aroclor-1016	ND	0.040	µg/L							
Aroclor-1016 [2C]	ND	0.040	µg/L							
Aroclor-1221	ND	0.040	µg/L							
Aroclor-1221 [2C]	ND	0.040	µg/L							
Aroclor-1232	ND	0.040	µg/L							
Aroclor-1232 [2C]	ND	0.040	µg/L							
Aroclor-1242	ND	0.040	µg/L							
Aroclor-1242 [2C]	ND	0.040	µg/L							
Aroclor-1248	ND	0.040	µg/L							
Aroclor-1248 [2C]	ND	0.040	µg/L							
Aroclor-1254	ND	0.040	µg/L							
Aroclor-1254 [2C]	ND	0.040	µg/L							
Aroclor-1260	ND	0.040	µg/L							
Aroclor-1260 [2C]	ND	0.040	µg/L							
Aroclor-1262	ND	0.040	µg/L							
Aroclor-1262 [2C]	ND	0.040	µg/L							
Aroclor-1268	ND	0.040	µg/L							
Aroclor-1268 [2C]	ND	0.040	µg/L							
Surrogate: Decachlorobiphenyl	0.410		µg/L	0.400		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.388		µg/L	0.400		97.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.409		µg/L	0.400		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.417		µg/L	0.400		104	30-150			

LCS (B215817-BS1)

Prepared: 10/27/18 Analyzed: 10/29/18

Aroclor-1016	0.59	0.20	µg/L	0.500		118	40-140			
Aroclor-1016 [2C]	0.60	0.20	µg/L	0.500		120	40-140			
Aroclor-1260	0.53	0.20	µg/L	0.500		105	40-140			
Aroclor-1260 [2C]	0.56	0.20	µg/L	0.500		111	40-140			
Surrogate: Decachlorobiphenyl	1.85		µg/L	2.00		92.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.77		µg/L	2.00		88.6	30-150			
Surrogate: Tetrachloro-m-xylene	1.88		µg/L	2.00		94.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.90		µg/L	2.00		95.2	30-150			

LCS Dup (B215817-BSD1)

Prepared: 10/27/18 Analyzed: 10/29/18

Aroclor-1016	0.61	0.20	µg/L	0.500		122	40-140	2.93	20	
Aroclor-1016 [2C]	0.63	0.20	µg/L	0.500		127	40-140	5.34	20	
Aroclor-1260	0.54	0.20	µg/L	0.500		107	40-140	1.94	20	
Aroclor-1260 [2C]	0.57	0.20	µg/L	0.500		113	40-140	1.79	20	
Surrogate: Decachlorobiphenyl	1.79		µg/L	2.00		89.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.71		µg/L	2.00		85.3	30-150			
Surrogate: Tetrachloro-m-xylene	1.86		µg/L	2.00		92.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.87		µg/L	2.00		93.4	30-150			

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

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B215944 - SW-846 3546										
Blank (B215944-BLK1)										
Prepared: 10/30/18 Analyzed: 10/31/18										
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	0.147		mg/Kg wet	0.200		73.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.143		mg/Kg wet	0.200		71.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.144		mg/Kg wet	0.200		72.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.144		mg/Kg wet	0.200		72.2	30-150			
LCS (B215944-BS1)										
Prepared: 10/30/18 Analyzed: 10/31/18										
Aroclor-1016	0.15	0.020	mg/Kg wet	0.200		74.7	40-140			
Aroclor-1016 [2C]	0.14	0.020	mg/Kg wet	0.200		70.8	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		77.9	40-140			
Aroclor-1260 [2C]	0.14	0.020	mg/Kg wet	0.200		69.3	40-140			
Surrogate: Decachlorobiphenyl	0.160		mg/Kg wet	0.200		79.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.155		mg/Kg wet	0.200		77.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.153		mg/Kg wet	0.200		76.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.153		mg/Kg wet	0.200		76.6	30-150			
LCS Dup (B215944-BSD1)										
Prepared: 10/30/18 Analyzed: 10/31/18										
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		79.7	40-140	6.49	30	
Aroclor-1016 [2C]	0.15	0.020	mg/Kg wet	0.200		75.0	40-140	5.75	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		83.0	40-140	6.35	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		73.6	40-140	5.99	30	
Surrogate: Decachlorobiphenyl	0.170		mg/Kg wet	0.200		84.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.164		mg/Kg wet	0.200		82.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.162		mg/Kg wet	0.200		81.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.162		mg/Kg wet	0.200		80.9	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 B215661 - SW-846 7471
Blank (B215661-BLK1)

Prepared & Analyzed: 10/26/18

Mercury ND 0.025 mg/Kg wet

LCS (B215661-BS1)

Prepared & Analyzed: 10/26/18

Mercury 10.9 1.9 mg/Kg wet 11.5 94.9 71.6-127.8

LCS Dup (B215661-BSD1)

Prepared & Analyzed: 10/26/18

Mercury 10.2 1.9 mg/Kg wet 11.5 88.5 71.6-127.8 6.96 30

Batch B215674 - SW-846 3050B
Blank (B215674-BLK1)

Prepared: 10/25/18 Analyzed: 10/29/18

Aluminum ND 1.7 mg/Kg wet
Antimony ND 1.7 mg/Kg wet
Arsenic ND 1.7 mg/Kg wet
Barium ND 1.7 mg/Kg wet
Beryllium ND 0.17 mg/Kg wet
Cadmium ND 0.17 mg/Kg wet
Calcium ND 5.0 mg/Kg wet
Chromium ND 0.33 mg/Kg wet
Cobalt ND 1.7 mg/Kg wet
Copper ND 0.33 mg/Kg wet
Iron ND 1.7 mg/Kg wet
Lead ND 0.50 mg/Kg wet
Magnesium ND 5.0 mg/Kg wet
Manganese ND 0.33 mg/Kg wet
Nickel ND 0.33 mg/Kg wet
Potassium ND 67 mg/Kg wet
Selenium ND 3.3 mg/Kg wet
Silver ND 0.33 mg/Kg wet
Sodium ND 67 mg/Kg wet
Thallium ND 1.7 mg/Kg wet
Vanadium ND 0.67 mg/Kg wet
Zinc ND 0.67 mg/Kg wet

LCS (B215674-BS1)

Prepared: 10/25/18 Analyzed: 10/29/18

Aluminum 6880 4.9 mg/Kg wet 8360 82.3 49.6-150.7
Antimony 45.5 4.9 mg/Kg wet 75.5 60.2 3.8-196
Arsenic 142 4.9 mg/Kg wet 161 88.5 83.2-116.8
Barium 240 4.9 mg/Kg wet 260 92.2 82.7-117.3
Beryllium 91.2 0.49 mg/Kg wet 97.6 93.5 83.4-116.8
Cadmium 187 0.49 mg/Kg wet 211 88.5 83.4-116.6
Calcium 4370 15 mg/Kg wet 4760 91.8 81.7-118.5
Chromium 124 0.99 mg/Kg wet 136 90.9 82.4-117.6
Cobalt 44.9 4.9 mg/Kg wet 48.2 93.1 84.2-115.6
Copper 157 0.99 mg/Kg wet 166 94.6 83.7-115.7
Iron 10800 4.9 mg/Kg wet 14100 76.8 60.1-139.7
Lead 98.6 1.5 mg/Kg wet 111 88.8 83-117.1
Magnesium 2080 15 mg/Kg wet 2340 89.0 76.1-123.9
Manganese 201 0.99 mg/Kg wet 228 88.1 82.5-117.5
Nickel 85.1 0.99 mg/Kg wet 91.9 92.6 82.9-117.5
Potassium 1930 200 mg/Kg wet 2020 95.5 69.8-130.2
Selenium 166 9.9 mg/Kg wet 191 86.8 79.6-120.9
Silver 43.4 0.99 mg/Kg wet 43.3 100 79.9-119.9
Sodium 208 200 mg/Kg wet 218 95.6 72.9-127.5

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 B215674 - SW-846 3050B
LCS (B215674-BS1)

Prepared: 10/25/18 Analyzed: 10/29/18

Thallium	150	4.9	mg/Kg wet	156		96.0	81.4-119.2			
Vanadium	48.7	2.0	mg/Kg wet	56.7		86.0	79-121.2			
Zinc	172	2.0	mg/Kg wet	199		86.4	81.4-119.1			

LCS Dup (B215674-BSD1)

Prepared: 10/25/18 Analyzed: 10/29/18

Aluminum	7100	5.0	mg/Kg wet	8360		84.9	49.6-150.7	3.14	30	
Antimony	47.6	5.0	mg/Kg wet	75.5		63.1	3.8-196	4.57	30	
Arsenic	148	5.0	mg/Kg wet	161		91.8	83.2-116.8	3.75	30	
Barium	245	5.0	mg/Kg wet	260		94.1	82.7-117.3	2.12	30	
Beryllium	94.8	0.50	mg/Kg wet	97.6		97.1	83.4-116.8	3.77	30	
Cadmium	193	0.50	mg/Kg wet	211		91.4	83.4-116.6	3.18	30	
Calcium	4590	15	mg/Kg wet	4760		96.3	81.7-118.5	4.78	30	
Chromium	127	0.99	mg/Kg wet	136		93.0	82.4-117.6	2.35	30	
Cobalt	46.4	5.0	mg/Kg wet	48.2		96.2	84.2-115.6	3.26	30	
Copper	161	0.99	mg/Kg wet	166		97.1	83.7-115.7	2.65	30	
Iron	11400	5.0	mg/Kg wet	14100		81.1	60.1-139.7	5.46	30	
Lead	101	1.5	mg/Kg wet	111		91.4	83-117.1	2.82	30	
Magnesium	2150	15	mg/Kg wet	2340		92.0	76.1-123.9	3.28	30	
Manganese	205	0.99	mg/Kg wet	228		89.8	82.5-117.5	1.89	30	
Nickel	88.0	0.99	mg/Kg wet	91.9		95.7	82.9-117.5	3.31	30	
Potassium	2030	200	mg/Kg wet	2020		101	69.8-130.2	5.27	30	
Selenium	172	9.9	mg/Kg wet	191		90.2	79.6-120.9	3.83	30	
Silver	44.2	0.99	mg/Kg wet	43.3		102	79.9-119.9	1.71	30	
Sodium	202	200	mg/Kg wet	218		92.7	72.9-127.5	3.07	30	
Thallium	153	5.0	mg/Kg wet	156		97.9	81.4-119.2	1.88	30	
Vanadium	51.0	2.0	mg/Kg wet	56.7		89.9	79-121.2	4.47	30	
Zinc	177	2.0	mg/Kg wet	199		88.8	81.4-119.1	2.75	30	

MRL Check (B215674-MRL1)

Prepared: 10/25/18 Analyzed: 10/29/18

Lead	0.456	0.48	mg/Kg wet	0.483		94.5	80-120			

Batch B215710 - SW-846 3005A
Blank (B215710-BLK1)

Prepared: 10/25/18 Analyzed: 10/26/18

Aluminum	ND	0.050	mg/L							
Antimony	ND	0.050	mg/L							
Arsenic	ND	0.010	mg/L							
Barium	ND	0.050	mg/L							
Beryllium	ND	0.0040	mg/L							
Cadmium	ND	0.0040	mg/L							
Calcium	ND	0.15	mg/L							
Chromium	ND	0.010	mg/L							
Cobalt	ND	0.050	mg/L							
Copper	ND	0.010	mg/L							
Lead	ND	0.010	mg/L							
Magnesium	ND	0.15	mg/L							
Manganese	ND	0.010	mg/L							
Nickel	ND	0.010	mg/L							
Potassium	ND	2.0	mg/L							
Selenium	ND	0.050	mg/L							
Silver	ND	0.0050	mg/L							
Sodium	ND	2.0	mg/L							
Thallium	ND	0.050	mg/L							

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 B215710 - SW-846 3005A
Blank (B215710-BLK1)

Prepared: 10/25/18 Analyzed: 10/26/18

Vanadium	ND	0.010	mg/L							
Zinc	ND	0.020	mg/L							

LCS (B215710-BSD1)

Prepared: 10/25/18 Analyzed: 10/26/18

Aluminum	0.520	0.050	mg/L	0.500		104	80-120			
Antimony	0.521	0.050	mg/L	0.500		104	80-120			
Arsenic	0.503	0.010	mg/L	0.500		101	80-120			
Barium	0.542	0.050	mg/L	0.500		108	80-120			
Beryllium	0.507	0.0040	mg/L	0.500		101	80-120			
Cadmium	0.524	0.0040	mg/L	0.500		105	80-120			
Calcium	4.23	0.15	mg/L	4.00		106	80-120			
Chromium	0.522	0.010	mg/L	0.500		104	80-120			
Cobalt	0.533	0.050	mg/L	0.500		107	80-120			
Copper	1.02	0.010	mg/L	1.00		102	80-120			
Lead	0.522	0.010	mg/L	0.500		104	80-120			
Magnesium	4.15	0.15	mg/L	4.00		104	80-120			
Manganese	0.505	0.010	mg/L	0.500		101	80-120			
Nickel	0.533	0.010	mg/L	0.500		107	80-120			
Potassium	4.09	2.0	mg/L	4.00		102	80-120			
Selenium	0.499	0.050	mg/L	0.500		99.8	80-120			
Silver	0.565	0.0050	mg/L	0.500		113	80-120			
Sodium	4.31	2.0	mg/L	4.00		108	80-120			
Thallium	0.542	0.050	mg/L	0.500		108	80-120			
Vanadium	0.516	0.010	mg/L	0.500		103	80-120			
Zinc	1.04	0.020	mg/L	1.00		104	80-120			

LCS Dup (B215710-BSD1)

Prepared: 10/25/18 Analyzed: 10/26/18

Aluminum	0.521	0.050	mg/L	0.500		104	80-120	0.237	20	
Antimony	0.528	0.050	mg/L	0.500		106	80-120	1.31	20	
Arsenic	0.507	0.010	mg/L	0.500		101	80-120	0.673	20	
Barium	0.543	0.050	mg/L	0.500		109	80-120	0.324	20	
Beryllium	0.513	0.0040	mg/L	0.500		103	80-120	1.15	20	
Cadmium	0.525	0.0040	mg/L	0.500		105	80-120	0.211	20	
Calcium	4.26	0.15	mg/L	4.00		107	80-120	0.665	20	
Chromium	0.524	0.010	mg/L	0.500		105	80-120	0.452	20	
Cobalt	0.534	0.050	mg/L	0.500		107	80-120	0.201	20	
Copper	1.02	0.010	mg/L	1.00		102	80-120	0.381	20	
Lead	0.526	0.010	mg/L	0.500		105	80-120	0.791	20	
Magnesium	4.20	0.15	mg/L	4.00		105	80-120	1.05	20	
Manganese	0.511	0.010	mg/L	0.500		102	80-120	1.11	20	
Nickel	0.537	0.010	mg/L	0.500		107	80-120	0.755	20	
Potassium	4.19	2.0	mg/L	4.00		105	80-120	2.33	20	
Selenium	0.509	0.050	mg/L	0.500		102	80-120	2.01	20	
Silver	0.560	0.0050	mg/L	0.500		112	80-120	1.05	20	
Sodium	4.30	2.0	mg/L	4.00		108	80-120	0.156	20	
Thallium	0.540	0.050	mg/L	0.500		108	80-120	0.423	20	
Vanadium	0.519	0.010	mg/L	0.500		104	80-120	0.434	20	
Zinc	1.04	0.020	mg/L	1.00		104	80-120	0.618	20	

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 B215759 - SW-846 3050B
Blank (B215759-BLK1)

Prepared: 10/26/18 Analyzed: 10/29/18

Aluminum	ND	1.7	mg/Kg wet							
Antimony	ND	1.7	mg/Kg wet							
Arsenic	ND	1.7	mg/Kg wet							
Barium	ND	1.7	mg/Kg wet							
Beryllium	ND	0.17	mg/Kg wet							
Cadmium	ND	0.17	mg/Kg wet							
Calcium	ND	5.0	mg/Kg wet							
Chromium	ND	0.33	mg/Kg wet							
Cobalt	ND	1.7	mg/Kg wet							
Copper	ND	0.33	mg/Kg wet							
Iron	ND	1.7	mg/Kg wet							
Lead	ND	0.50	mg/Kg wet							
Magnesium	ND	5.0	mg/Kg wet							
Manganese	ND	0.33	mg/Kg wet							
Nickel	ND	0.33	mg/Kg wet							
Potassium	ND	67	mg/Kg wet							
Selenium	ND	3.3	mg/Kg wet							
Silver	ND	0.33	mg/Kg wet							
Sodium	ND	67	mg/Kg wet							
Thallium	ND	1.7	mg/Kg wet							
Vanadium	ND	0.67	mg/Kg wet							
Zinc	ND	0.67	mg/Kg wet							

LCS (B215759-BS1)

Prepared: 10/26/18 Analyzed: 10/29/18

Aluminum	6990	5.0	mg/Kg wet	8360		83.6	49.6-150.7
Antimony	59.0	5.0	mg/Kg wet	75.5		78.1	3.8-196
Arsenic	149	5.0	mg/Kg wet	161		92.8	83.2-116.8
Barium	262	5.0	mg/Kg wet	260		101	82.7-117.3
Beryllium	96.8	0.50	mg/Kg wet	97.6		99.2	83.4-116.8
Cadmium	199	0.50	mg/Kg wet	211		94.1	83.4-116.6
Calcium	4610	15	mg/Kg wet	4760		96.9	81.7-118.5
Chromium	131	0.99	mg/Kg wet	136		96.4	82.4-117.6
Cobalt	47.9	5.0	mg/Kg wet	48.2		99.3	84.2-115.6
Copper	168	0.99	mg/Kg wet	166		101	83.7-115.7
Iron	11900	5.0	mg/Kg wet	14100		84.4	60.1-139.7
Lead	103	1.5	mg/Kg wet	111		92.8	83-117.1
Magnesium	2120	15	mg/Kg wet	2340		90.8	76.1-123.9
Manganese	212	0.99	mg/Kg wet	228		93.0	82.5-117.5
Nickel	90.4	0.99	mg/Kg wet	91.9		98.3	82.9-117.5
Potassium	2000	200	mg/Kg wet	2020		99.1	69.8-130.2
Selenium	175	9.9	mg/Kg wet	191		91.4	79.6-120.9
Silver	43.9	0.99	mg/Kg wet	43.3		101	79.9-119.9
Sodium	217	200	mg/Kg wet	218		99.7	72.9-127.5
Thallium	152	5.0	mg/Kg wet	156		97.4	81.4-119.2
Vanadium	52.4	2.0	mg/Kg wet	56.7		92.4	79-121.2
Zinc	185	2.0	mg/Kg wet	199		92.8	81.4-119.1

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 B215759 - SW-846 3050B
LCS Dup (B215759-BSD1)

Prepared: 10/26/18 Analyzed: 10/29/18

Aluminum	6870	5.0	mg/Kg wet	8360		82.2	49.6-150.7	1.69	30	
Antimony	57.9	5.0	mg/Kg wet	75.5		76.6	3.8-196	1.95	30	
Arsenic	150	5.0	mg/Kg wet	161		93.1	83.2-116.8	0.369	30	
Barium	254	5.0	mg/Kg wet	260		97.6	82.7-117.3	3.18	30	
Beryllium	94.9	0.50	mg/Kg wet	97.6		97.3	83.4-116.8	1.95	30	
Cadmium	195	0.50	mg/Kg wet	211		92.3	83.4-116.6	2.03	30	
Calcium	4620	15	mg/Kg wet	4760		97.1	81.7-118.5	0.289	30	
Chromium	128	0.99	mg/Kg wet	136		94.1	82.4-117.6	2.41	30	
Cobalt	47.6	5.0	mg/Kg wet	48.2		98.8	84.2-115.6	0.448	30	
Copper	163	0.99	mg/Kg wet	166		98.0	83.7-115.7	3.12	30	
Iron	11500	5.0	mg/Kg wet	14100		81.5	60.1-139.7	3.46	30	
Lead	104	1.5	mg/Kg wet	111		94.0	83-117.1	1.20	30	
Magnesium	2150	15	mg/Kg wet	2340		91.9	76.1-123.9	1.26	30	
Manganese	204	0.99	mg/Kg wet	228		89.6	82.5-117.5	3.70	30	
Nickel	89.5	0.99	mg/Kg wet	91.9		97.4	82.9-117.5	0.959	30	
Potassium	1990	200	mg/Kg wet	2020		98.5	69.8-130.2	0.594	30	
Selenium	175	9.9	mg/Kg wet	191		91.7	79.6-120.9	0.361	30	
Silver	44.1	0.99	mg/Kg wet	43.3		102	79.9-119.9	0.486	30	
Sodium	213	200	mg/Kg wet	218		97.8	72.9-127.5	1.86	30	
Thallium	154	5.0	mg/Kg wet	156		98.8	81.4-119.2	1.47	30	
Vanadium	50.5	2.0	mg/Kg wet	56.7		89.1	79-121.2	3.59	30	
Zinc	180	2.0	mg/Kg wet	199		90.6	81.4-119.1	2.44	30	

MRL Check (B215759-MRL1)

Prepared: 10/26/18 Analyzed: 10/29/18

Lead	0.416	0.50	mg/Kg wet	0.500		83.2	80-120			

Batch B215918 - SW-846 3005A
Blank (B215918-BLK1)

Prepared: 10/29/18 Analyzed: 10/30/18

Iron	ND	0.050	mg/L							

LCS (B215918-BS1)

Prepared: 10/29/18 Analyzed: 10/30/18

Iron	3.93	0.050	mg/L	4.00		98.3	80-120			

LCS Dup (B215918-BSD1)

Prepared: 10/29/18 Analyzed: 10/30/18

Iron	3.97	0.050	mg/L	4.00		99.3	80-120	1.03	20	

Batch B216009 - SW-846 7470A Prep
Blank (B216009-BLK1)

Prepared: 10/30/18 Analyzed: 10/31/18

Mercury	ND	0.00010	mg/L							

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 B216009 - SW-846 7470A Prep
LCS (B216009-BS1)

Prepared: 10/30/18 Analyzed: 10/31/18

Mercury	0.00182	0.00010	mg/L	0.00200		91.2	80-120			

LCS Dup (B216009-BSD1)

Prepared: 10/30/18 Analyzed: 10/31/18

Mercury	0.00187	0.00010	mg/L	0.00200		93.6	80-120	2.62	20	

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 Limits	RPD Limit	Notes
Batch B215773 - SM21-22 2540D								
Blank (B215773-BLK1)				Prepared & Analyzed: 10/26/18				
Total Suspended Solids	ND	2.5	mg/L					
LCS (B215773-BS1)				Prepared & Analyzed: 10/26/18				
Total Suspended Solids	216	20	mg/L	200	108	64.3-117		
Batch B215852 - SM21-22 2540D								
Blank (B215852-BLK1)				Prepared & Analyzed: 10/29/18				
Total Suspended Solids	ND	2.5	mg/L					
LCS (B215852-BS1)				Prepared & Analyzed: 10/29/18				
Total Suspended Solids	146	10	mg/L	200	73.0	64.3-117		
Batch B215886 - % Solids								
Duplicate (B215886-DUP1)		Source: 18J1160-02		Prepared: 10/29/18 Analyzed: 10/30/18				
% Solids	90.9		% Wt		94.6		4.01	20

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 (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch B215847 - SM21-22 2540C
Blank (B215847-BLK1)

Prepared & Analyzed: 10/29/18

Total Dissolved Solids ND 10 mg/L

LCS (B215847-BS1)

Prepared & Analyzed: 10/29/18

Total Dissolved Solids 250 10 mg/L 293 84.6 61.4-114

Duplicate (B215847-DUP2)
Source: 18J1160-14

Prepared & Analyzed: 10/29/18

Total Dissolved Solids 110 10 mg/L 110 1.77 5

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

Lab Sample ID: 18J1160-13 Date(s) Analyzed 10/31/2018 10/31/2018
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-1242	1	0.000	0.000	0.000	1.0	
	2	0.000	0.000	0.000	0.84	17.4

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B215817-BS1 Date(s) Analyzed 10/29/2018 10/29/2018
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	0.59	
	2	0.000	0.000	0.000	0.60	1.7
Aroclor-1260	1	0.000	0.000	0.000	0.53	
	2	0.000	0.000	0.000	0.56	5.5

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

Lab Sample ID: B215817-BSD1 Date(s) Analyzed 10/29/2018 10/29/2018
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	0.61	
	2	0.000	0.000	0.000	0.63	3.2
Aroclor-1260	1	0.000	0.000	0.000	0.54	
	2	0.000	0.000	0.000	0.57	5.4

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B215944-BS1 Date(s) Analyzed 10/31/2018 10/31/2018

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	0.000	0.000	0.15	
	2	0.000	0.000	0.000	0.14	6.9
Aroclor-1260	1	0.000	0.000	0.000	0.16	
	2	0.000	0.000	0.000	0.14	13.3

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

Lab Sample ID: B215944-BSD1 Date(s) Analyzed 10/31/2018 10/31/2018
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	0.000	0.000	0.16	
	2	0.000	0.000	0.000	0.15	6.5
Aroclor-1260	1	0.000	0.000	0.000	0.17	
	2	0.000	0.000	0.000	0.15	12.5

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.
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 did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-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.
V-36	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-22 2540C in Water	
Total Dissolved Solids	CT,MA,NH,NY,RI,NC,ME,VA
SM21-22 2540D in Water	
Total Suspended Solids	CT,MA,NH,NY,RI,NC,ME,VA
SW-846 6010D in Soil	
Aluminum	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Calcium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Cobalt	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Magnesium	CT,NH,NY,ME,VA,NC
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Potassium	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Sodium	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 6010D in Water	
Aluminum	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,RI,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Calcium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Cobalt	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Magnesium	CT,NH,NY,ME,VA,NC
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Potassium	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Sodium	CT,NH,NY,ME,VA,NC

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 6010D in Water</i>	
Thallium	CT,NH,NY,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
<i>SW-846 7470A in Water</i>	
Mercury	CT,NH,NY,NC,ME,VA
<i>SW-846 7471B in Soil</i>	
Mercury	CT,NH,NY,NC,ME,VA
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
<i>SW-846 8082A in Water</i>	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
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
Cyclohexane	NY
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
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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
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
Xylenes (total)	NH, NY
<i>SW-846 8260C in Water</i>	
Acetone	CT, ME, NH, VA, NY
Acrylonitrile	CT, ME, NH, VA, NY
tert-Amyl Methyl Ether (TAME)	ME, NH, VA, NY
Benzene	CT, ME, NH, VA, NY
Bromobenzene	NY
Bromochloromethane	ME, NH, VA, NY
Bromodichloromethane	CT, ME, NH, VA, NY
Bromoform	CT, ME, NH, VA, NY
Bromomethane	CT, ME, NH, VA, NY
2-Butanone (MEK)	CT, ME, NH, VA, NY
tert-Butyl Alcohol (TBA)	ME, NH, VA, NY
n-Butylbenzene	ME, VA, NY
sec-Butylbenzene	ME, VA, NY
tert-Butylbenzene	ME, VA, NY
tert-Butyl Ethyl Ether (TBEE)	ME, NH, VA, NY
Carbon Disulfide	CT, ME, NH, VA, NY
Carbon Tetrachloride	CT, ME, NH, VA, NY
Chlorobenzene	CT, ME, NH, VA, NY
Chlorodibromomethane	CT, ME, NH, VA, NY

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Water</i>	
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
Cyclohexane	NY
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
Dibromomethane	ME,NH,VA,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Diethyl Ether	NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	NY
Ethylbenzene	CT,ME,NH,VA,NY
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Water</i>	
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY
Xylenes (total)	NY

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019



Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

1851160

CHAIN OF CUSTODY RECORD (New York)

39 Spruce Street
East Longmeadow, MA 01028

Doc # 380 Rev 1.03242017

Page 1 of 2

Company Name: Acadus
Address: 855 Route 146 South 210 Clifton Park, NY
Phone: 646-248-4208
Project Name: Fort Edward LF
Project Location: Fort Edward, NY
Project Number: 00266434.000
Project Manager: Andy Vitalins
Con-Test Quote Name/Number:
Invoice Recipient: Jasmine Mallin
Sampled By: J. Mallin / N. Kloepper

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: 5TD
Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐
Data Delivery
Format: ☒ PDF ☐ EXCEL
Other:
CLP Like Data Pkg Required: ☐
Email To: Jasmine.Mallin@acadus.com
Fax To #:

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	Field Blank 1	10-22-18 0830	0830		☒	GW	
2	CELL 3	10/22/18 1110	1110		☒	VS	
3	CELL 2	10/22/18 1145	1145		☒	VS	
4	CELL 1	10/22/18 1300	1300		☒	VS	
5	PUSHING POND INFLUENT	10/22/18 1320	1320		☒	GW	
6	PUSHING POND INFLUENT	10/22/18 1320	1320		☒	VS	
7	PUSHING POND EFFLUENT	10/22/18 1420	1420		☒	VS	
8	GFFC2	10/22/18 1445	1445		☒	GW	
9	GFFC2	10/22/18 1445	1445		☒	VS	
10	GFFC3	10/22/18 1455	1455		☒	GW	

Comments: 3 COOLERS

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: 10/23/18 1200
Received by: (signature) [Signature] Date/Time: 10-23-18 1200
Relinquished by: (signature) [Signature] Date/Time: 10-23-18 1405
Received by: (signature) [Signature] Date/Time: 10-23-18 1405
Relinquished by: (signature) [Signature] Date/Time: 10-23-18 1810
Received by: (signature) [Signature] Date/Time: 10/23/18 1810

Program & Regulatory Information
☐ AWO 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
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Other:
NELAC and AIHA-LAP, LLC Accredited

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



ALB

Phone: 413-525-2332 185/1160
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CHAIN OF CUSTODY RECORD (New York)

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 2

Doc # 380 Rev 1 03242017

Company Name: <u>Archie's</u>		Requested Turnaround Time		Due Date: <u>STD</u>		7-Day ☐ 10-Day ☐		# of Containers	
Address: <u>555 Route 196, Suite 210, Clifton Park, NY</u>		Rush-Approval Required		1-Day ☐ 3-Day ☐		2-Day ☐ 4-Day ☐		Preservation Code	
Project Name: <u>Fort Edward LF</u>		Data Delivery		Format: PDF ☒ EXCEL ☐		Other: ☐		Container Code	
Project Location: <u>Fort Edward NY</u>		CLP Like Data Pkg Required: ☐		Email To: <u>Jasmine Mullineaux</u>		Fax To #: <u>508</u>		ANALYSIS REQUESTED	
Project Number: <u>00266434-0000</u>		Beginning Date/Time		Ending Date/Time		Composite		Grab	
Project Manager: <u>Andy Vitalino</u>		Client Sample ID / Description		Matrix Code		Conc Code			
Con-Test Quote Name/Number:		Con-Test Work Order#		Conc Code		Grab			
Invoice Recipient: <u>Jasmine Mullineaux</u>		11 GFFCZ		10/22/18		1455		✓ S	
Sampled By: <u>J. Mullineaux / N Kloepper</u>		12 UNNAMED POND		10/22/18		1535		✓ GW	
		13 UNNAMED POND		10/22/18		1535		✓ S	
		14 GFFCZ		10/22/18		1610		✓ GW	
		15 GFFCZ		10/22/18		1610		✓ S	
		16 ~~DUP~~ DUP-2		10/22/18		---		✓ S	
		17 TRIP BLANK		10/22/18		---		✓ GW	
		18 MW-2		10/23/18		1050		✓ GW	
		19 MW-2A		10/23/18		1105		✓ GW	

Comments: 3 COOLERS

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) <u>[Signature]</u>		Date/Time: <u>10/23/18 12:00</u>
Received by: (signature) <u>[Signature]</u>		Date/Time: <u>10-23-18 12:00</u>
Relinquished by: (signature) <u>[Signature]</u>		Date/Time: <u>10-23-18 14:05</u>
Received by: (signature) <u>[Signature]</u>		Date/Time: <u>10-23-18 14:05</u>
Relinquished by: (signature) <u>[Signature]</u>		Date/Time: <u>10-23-18 18:10</u>
Received by: (signature) <u>[Signature]</u>		Date/Time: <u>10/23/18 18:10</u>

3 Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
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)

1 Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

Dissolved Metals Samples		Orthophosphate Samples	
☐ Field Filtered	☐ Lab to Filter	☐ Field Filtered	☐ Lab to Filter
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 Arcadis

Received By mp Date 10/23/18 Time 18:10

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 # 577 Actual Temp - 2.2, 2.3, 2.1
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 Client T Analysis T Sampler Name T
pertinent Information? 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? T On COC? T

Do all samples have the proper pH? _____ Acid TL2 Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	<u>16</u>	1 Liter Plastic		16 oz Amb.	
HCL-	<u>24p26</u>	500 mL Amb.		500 mL Plastic	<u>8</u>	8oz Amb/Clear	<u>10</u>
Meoh-		250 mL Amb.		250 mL Plastic	<u>8</u>	4oz Amb/Clear	<u>10</u>
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		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:

November 6, 2018

Jasmine Mullins
Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065

Project Location: Fort Edward, NY
Client Job Number:
Project Number: 00266434.0000
Laboratory Work Order Number: 18J1239

Enclosed are results of analyses for samples received by the laboratory on October 25, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron L. Benoit", with a horizontal line extending to the right.

Aaron L. Benoit
Project Manager

Table of Contents

Sample Summary	4
Case Narrative	6
Sample Results	8
18J1239-01	8
18J1239-02	14
18J1239-03	20
18J1239-04	26
18J1239-05	32
18J1239-06	38
18J1239-07	44
18J1239-08	50
18J1239-09	56
18J1239-10	62
18J1239-11	68
18J1239-12	74
18J1239-13	80
Sample Preparation Information	82
QC Data	85
Volatile Organic Compounds by GC/MS	85
B216144	85
B216280	88
Polychlorinated Biphenyls By GC/ECD	89
B215998	89
B216085	90
Metals Analyses (Total)	91

Table of Contents (continued)

B216185	91
B216276	93
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	94
B215852	94
B215960	94
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Dissolved)	95
B215850	95
B216051	95
Dual Column RPD Report	96
Flag/Qualifier Summary	101
Certifications	102
Chain of Custody/Sample Receipt	105

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

Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065
ATTN: Jasmine Mullins

REPORT DATE: 11/6/2018

PURCHASE ORDER NUMBER: 00266434.0000

PROJECT NUMBER: 00266434.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18J1239

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

PROJECT LOCATION: Fort Edward, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-8	18J1239-01	Ground Water		SM21-22 2540C SM21-22 2540D SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260C	
MW-1D	18J1239-02	Ground Water		SM21-22 2540C SM21-22 2540D SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260C	
MW-6B	18J1239-03	Ground Water		SM21-22 2540C SM21-22 2540D SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260C	
MW-6C	18J1239-04	Ground Water		SM21-22 2540C SM21-22 2540D SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260C	
MW-6	18J1239-05	Ground Water		SM21-22 2540C SM21-22 2540D SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260C	
Field Blank 2	18J1239-06	Field Blank		SM21-22 2540C SM21-22 2540D SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260C	

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

Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065
ATTN: Jasmine Mullins

REPORT DATE: 11/6/2018

PURCHASE ORDER NUMBER: 00266434.0000

PROJECT NUMBER: 00266434.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18J1239

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

PROJECT LOCATION: Fort Edward, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-1A	18J1239-07	Ground Water		SM21-22 2540C SM21-22 2540D SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260C	
Dup-1	18J1239-08	Ground Water		SM21-22 2540C SM21-22 2540D SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260C	
MW-1	18J1239-09	Ground Water		SM21-22 2540C SM21-22 2540D SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260C	
MW-5	18J1239-10	Ground Water		SM21-22 2540C SM21-22 2540D SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260C	
MW-7	18J1239-11	Ground Water		SM21-22 2540C SM21-22 2540D SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260C	
MW-9	18J1239-12	Ground Water		SM21-22 2540C SM21-22 2540D SW-846 6010D SW-846 7470A SW-846 8082A SW-846 8260C	
Trip Blank	18J1239-13	Trip Blank Water		SW-846 8260C	

CASE NARRATIVE SUMMARY

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

SM21-22 2540C**Qualifications:****H-15**

Sampling time not provided on Chain of Custody.

Analyte & Samples(s) Qualified:**Total Dissolved Solids**

18J1239-08[Dup-1]

R-02

Duplicate RPD is outside of control limits. Outlier can be attributed to sample non-homogeneity encountered during sample prep.

Analyte & Samples(s) Qualified:**Total Dissolved Solids**

18J1239-03[MW-6B], B215850-DUP1

SW-846 8260C**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:**Methyl Acetate**

B216144-BS1, B216144-BSD1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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

B216144-BS1, B216144-BSD1, S028971-CCV1

V-36

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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

B216144-BS1, B216144-BSD1, S028971-CCV1

Carbon Disulfide

B216144-BS1, B216144-BSD1, S028971-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 Worthington", is written over a light pink rectangular background.

Lisa A. Worthington
Project Manager

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-8

Sampled: 10/23/2018 13:09

Sample ID: 18J1239-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
Methyl Acetate	ND	2.0	0.42	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-8

Sampled: 10/23/2018 13:09

Sample ID: 18J1239-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:18	BRF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	104		70-130				11/2/18 3:18			
Toluene-d8	99.0		70-130				11/2/18 3:18			
4-Bromofluorobenzene	105		70-130				11/2/18 3:18			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-8

Sampled: 10/23/2018 13:09

Sample ID: 18J1239-01

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 12:42	AYH
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 12:42	AYH
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 12:42	AYH
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 12:42	AYH
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 12:42	AYH
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 12:42	AYH
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 12:42	AYH
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 12:42	AYH
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 12:42	AYH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	104	30-150							
Decachlorobiphenyl [2]	97.2	30-150							
Tetrachloro-m-xylene [1]	98.8	30-150							
Tetrachloro-m-xylene [2]	90.6	30-150							

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-8

Sampled: 10/23/2018 13:09

Sample ID: 18J1239-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:18	QNW
Antimony	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:18	QNW
Arsenic	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:18	QNW
Barium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:18	QNW
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:18	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:18	QNW
Calcium	52	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:18	QNW
Chromium	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:18	QNW
Cobalt	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:18	QNW
Copper	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:18	QNW
Iron	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:18	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:18	QNW
Magnesium	13	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:18	QNW
Manganese	0.018	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:18	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/2/18	11/5/18 9:24	EJB
Nickel	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:18	QNW
Potassium	ND	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:18	QNW
Selenium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:18	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:18	QNW
Sodium	17	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:18	QNW
Thallium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:18	QNW
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:18	QNW
Zinc	ND	0.020	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:18	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-8

Sampled: 10/23/2018 13:09

Sample ID: 18J1239-01

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	1.4	mg/L	1		SM21-22 2540D	10/29/18	10/29/18 10:00	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-8

Sampled: 10/23/2018 13:09

Sample ID: 18J1239-01

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	180	10	mg/L	1		SM21-22 2540C	10/29/18	10/29/18 14:00	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-1D

Sampled: 10/23/2018 13:30

Sample ID: 18J1239-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
Methyl Acetate	ND	2.0	0.42	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-1D

Sampled: 10/23/2018 13:30

Sample ID: 18J1239-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	11/1/18	11/2/18 3:49	BRF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	104		70-130							
Toluene-d8	101		70-130							
4-Bromofluorobenzene	102		70-130							

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-1D

Sampled: 10/23/2018 13:30

Sample ID: 18J1239-02

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:00	AYH
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:00	AYH
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:00	AYH
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:00	AYH
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:00	AYH
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:00	AYH
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:00	AYH
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:00	AYH
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:00	AYH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	55.5	30-150							
Decachlorobiphenyl [2]	53.5	30-150							
Tetrachloro-m-xylene [1]	84.5	30-150							
Tetrachloro-m-xylene [2]	74.9	30-150							

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-1D

Sampled: 10/23/2018 13:30

Sample ID: 18J1239-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.21	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:04	QNW
Antimony	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:04	QNW
Arsenic	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:04	QNW
Barium	0.49	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:04	QNW
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:04	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:04	QNW
Calcium	24	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:04	QNW
Chromium	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:04	QNW
Cobalt	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:04	QNW
Copper	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:04	QNW
Iron	0.74	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:04	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:04	QNW
Magnesium	5.3	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:04	QNW
Manganese	0.033	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:04	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/2/18	11/5/18 9:25	EJB
Nickel	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:04	QNW
Potassium	5.0	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:04	QNW
Selenium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:04	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:04	QNW
Sodium	43	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:04	QNW
Thallium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:04	QNW
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:04	QNW
Zinc	0.026	0.020	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:04	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Sampled: 10/23/2018 13:30

Field Sample #: MW-1D

Sample ID: 18J1239-02

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	65	5.0	mg/L	1		SM21-22 2540D	10/29/18	10/29/18 10:00	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-1D

Sampled: 10/23/2018 13:30

Sample ID: 18J1239-02

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	190	10	mg/L	1		SM21-22 2540C	10/29/18	10/29/18 14:00	LL

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Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-6B

Sampled: 10/23/2018 15:45

Sample ID: 18J1239-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
Methyl Acetate	ND	2.0	0.42	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-6B

Sampled: 10/23/2018 15:45

Sample ID: 18J1239-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:20	BRF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	103		70-130				11/2/18 4:20			
Toluene-d8	101		70-130				11/2/18 4:20			
4-Bromofluorobenzene	103		70-130				11/2/18 4:20			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-6B

Sampled: 10/23/2018 15:45

Sample ID: 18J1239-03

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:17	AYH
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:17	AYH
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:17	AYH
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:17	AYH
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:17	AYH
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:17	AYH
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:17	AYH
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:17	AYH
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:17	AYH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	74.7	30-150							
Decachlorobiphenyl [2]	69.2	30-150							
Tetrachloro-m-xylene [1]	86.8	30-150							
Tetrachloro-m-xylene [2]	80.3	30-150							

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-6B

Sampled: 10/23/2018 15:45

Sample ID: 18J1239-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.067	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:11	QNW
Antimony	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:11	QNW
Arsenic	0.013	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:11	QNW
Barium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:11	QNW
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:11	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:11	QNW
Calcium	8.6	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:11	QNW
Chromium	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:11	QNW
Cobalt	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:11	QNW
Copper	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:11	QNW
Iron	0.74	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:11	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:11	QNW
Magnesium	1.4	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:11	QNW
Manganese	0.024	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:11	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/2/18	11/5/18 9:27	EJB
Nickel	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:11	QNW
Potassium	ND	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:11	QNW
Selenium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:11	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:11	QNW
Sodium	40	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:11	QNW
Thallium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:11	QNW
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:11	QNW
Zinc	0.037	0.020	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:11	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-6B

Sampled: 10/23/2018 15:45

Sample ID: 18J1239-03

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	4.0	1.4	mg/L	1		SM21-22 2540D	10/29/18	10/29/18 10:00	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-6B

Sampled: 10/23/2018 15:45

Sample ID: 18J1239-03

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	110	10	mg/L	1	R-02	SM21-22 2540C	10/29/18	10/29/18 14:00	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-6C

Sampled: 10/23/2018 15:55

Sample ID: 18J1239-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
Chlorobenzene	3.6	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
1,2-Dichlorobenzene	0.39	1.0	0.17	µg/L	1	J	SW-846 8260C	11/1/18	11/2/18 4:50	BRF
1,3-Dichlorobenzene	3.4	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
1,4-Dichlorobenzene	2.6	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
Methyl Acetate	ND	2.0	0.42	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
1,2,4-Trichlorobenzene	4.9	2.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-6C

Sampled: 10/23/2018 15:55

Sample ID: 18J1239-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	11/1/18	11/2/18 4:50	BRF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	104		70-130				11/2/18 4:50			
Toluene-d8	100		70-130				11/2/18 4:50			
4-Bromofluorobenzene	101		70-130				11/2/18 4:50			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-6C

Sampled: 10/23/2018 15:55

Sample ID: 18J1239-04

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:34	AYH
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:34	AYH
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:34	AYH
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:34	AYH
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:34	AYH
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:34	AYH
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:34	AYH
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:34	AYH
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:34	AYH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	98.2	30-150							
Decachlorobiphenyl [2]	92.2	30-150							
Tetrachloro-m-xylene [1]	91.5	30-150							
Tetrachloro-m-xylene [2]	85.2	30-150							

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-6C

Sampled: 10/23/2018 15:55

Sample ID: 18J1239-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:17	QNW
Antimony	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:17	QNW
Arsenic	0.017	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:17	QNW
Barium	0.12	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:17	QNW
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:17	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:17	QNW
Calcium	100	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:17	QNW
Chromium	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:17	QNW
Cobalt	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:17	QNW
Copper	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:17	QNW
Iron	18	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:17	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:17	QNW
Magnesium	38	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:17	QNW
Manganese	1.4	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:17	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/2/18	11/5/18 9:29	EJB
Nickel	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:17	QNW
Potassium	6.9	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:17	QNW
Selenium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:17	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:17	QNW
Sodium	37	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:17	QNW
Thallium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:17	QNW
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:17	QNW
Zinc	ND	0.020	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:17	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-6C

Sampled: 10/23/2018 15:55

Sample ID: 18J1239-04

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	37	1.4	mg/L	1		SM21-22 2540D	10/29/18	10/29/18 10:00	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-6C

Sampled: 10/23/2018 15:55

Sample ID: 18J1239-04

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	440	10	mg/L	1		SM21-22 2540C	10/29/18	10/29/18 14:00	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-6

Sampled: 10/23/2018 16:40

Sample ID: 18J1239-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
Benzene	2.4	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
Chlorobenzene	20	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
1,4-Dichlorobenzene	1.7	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
Methyl Acetate	ND	2.0	0.42	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-6

Sampled: 10/23/2018 16:40

Sample ID: 18J1239-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:21	BRF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	103		70-130				11/2/18 5:21			
Toluene-d8	101		70-130				11/2/18 5:21			
4-Bromofluorobenzene	103		70-130				11/2/18 5:21			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-6

Sampled: 10/23/2018 16:40

Sample ID: 18J1239-05

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:51	AYH
Aroclor-1221 [2]	0.58	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:51	AYH
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:51	AYH
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:51	AYH
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:51	AYH
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:51	AYH
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:51	AYH
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:51	AYH
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/30/18	11/4/18 13:51	AYH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.1	30-150							
Decachlorobiphenyl [2]	84.2	30-150							
Tetrachloro-m-xylene [1]	87.7	30-150							
Tetrachloro-m-xylene [2]	80.5	30-150							

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-6

Sampled: 10/23/2018 16:40

Sample ID: 18J1239-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.13	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:22	QNW
Antimony	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:22	QNW
Arsenic	0.021	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:22	QNW
Barium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:22	QNW
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:22	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:22	QNW
Calcium	70	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:22	QNW
Chromium	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:22	QNW
Cobalt	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:22	QNW
Copper	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:22	QNW
Iron	100	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:22	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:22	QNW
Magnesium	14	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:22	QNW
Manganese	1.3	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:22	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/2/18	11/5/18 9:34	EJB
Nickel	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:22	QNW
Potassium	6.1	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:22	QNW
Selenium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:22	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:22	QNW
Sodium	7.7	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:22	QNW
Thallium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:22	QNW
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:22	QNW
Zinc	ND	0.020	mg/L	1		SW-846 6010D	11/1/18	11/5/18 16:22	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-6

Sampled: 10/23/2018 16:40

Sample ID: 18J1239-05

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	49	1.4	mg/L	1		SM21-22 2540D	10/29/18	10/29/18 10:00	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-6

Sampled: 10/23/2018 16:40

Sample ID: 18J1239-05

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	320	10	mg/L	1		SM21-22 2540C	10/29/18	10/29/18 14:00	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: Field Blank 2

Sampled: 10/24/2018 07:50

Sample ID: 18J1239-06

Sample Matrix: Field Blank

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
Methyl Acetate	ND	2.0	0.42	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: Field Blank 2

Sampled: 10/24/2018 07:50

Sample ID: 18J1239-06

Sample Matrix: Field Blank

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:17	BRF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	103		70-130				11/2/18 2:17			
Toluene-d8	102		70-130				11/2/18 2:17			
4-Bromofluorobenzene	102		70-130				11/2/18 2:17			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: Field Blank 2

Sampled: 10/24/2018 07:50

Sample ID: 18J1239-06

Sample Matrix: Field Blank

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 7:03	WAL
Aroclor-1221 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 7:03	WAL
Aroclor-1232 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 7:03	WAL
Aroclor-1242 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 7:03	WAL
Aroclor-1248 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 7:03	WAL
Aroclor-1254 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 7:03	WAL
Aroclor-1260 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 7:03	WAL
Aroclor-1262 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 7:03	WAL
Aroclor-1268 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 7:03	WAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	46.5	30-150						11/3/18 7:03	
Decachlorobiphenyl [2]	44.2	30-150						11/3/18 7:03	
Tetrachloro-m-xylene [1]	84.1	30-150						11/3/18 7:03	
Tetrachloro-m-xylene [2]	85.1	30-150						11/3/18 7:03	

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: Field Blank 2

Sampled: 10/24/2018 07:50

Sample ID: 18J1239-06

Sample Matrix: Field Blank

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:24	QNW
Antimony	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:24	QNW
Arsenic	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:24	QNW
Barium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:24	QNW
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:24	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:24	QNW
Calcium	0.19	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:24	QNW
Chromium	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:24	QNW
Cobalt	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:24	QNW
Copper	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:24	QNW
Iron	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:24	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:24	QNW
Magnesium	ND	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:24	QNW
Manganese	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:24	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/2/18	11/5/18 9:36	EJB
Nickel	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:24	QNW
Potassium	ND	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:24	QNW
Selenium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:24	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:24	QNW
Sodium	ND	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:24	QNW
Thallium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:24	QNW
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:24	QNW
Zinc	ND	0.020	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:24	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: Field Blank 2

Sampled: 10/24/2018 07:50

Sample ID: 18J1239-06

Sample Matrix: Field Blank

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	1.4	mg/L	1		SM21-22 2540D	10/29/18	10/29/18 10:00	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: Field Blank 2

Sampled: 10/24/2018 07:50

Sample ID: 18J1239-06

Sample Matrix: Field Blank

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	ND	10	mg/L	1		SM21-22 2540C	10/29/18	10/29/18 14:00	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-1A

Sampled: 10/24/2018 10:15

Sample ID: 18J1239-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
Methyl Acetate	ND	2.0	0.42	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-1A

Sampled: 10/24/2018 10:15

Sample ID: 18J1239-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	11/1/18	11/2/18 5:52	BRF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	102		70-130				11/2/18 5:52			
Toluene-d8	102		70-130				11/2/18 5:52			
4-Bromofluorobenzene	102		70-130				11/2/18 5:52			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-1A

Sampled: 10/24/2018 10:15

Sample ID: 18J1239-07

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 7:15	WAL
Aroclor-1221 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 7:15	WAL
Aroclor-1232 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 7:15	WAL
Aroclor-1242 [2]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 7:15	WAL
Aroclor-1248 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 7:15	WAL
Aroclor-1254 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 7:15	WAL
Aroclor-1260 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 7:15	WAL
Aroclor-1262 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 7:15	WAL
Aroclor-1268 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 7:15	WAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	55.5	30-150							
Decachlorobiphenyl [2]	53.1	30-150							
Tetrachloro-m-xylene [1]	83.8	30-150							
Tetrachloro-m-xylene [2]	85.5	30-150							

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-1A

Sampled: 10/24/2018 10:15

Sample ID: 18J1239-07

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.13	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:30	QNW
Antimony	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:30	QNW
Arsenic	0.015	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:30	QNW
Barium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:30	QNW
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:30	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:30	QNW
Calcium	13	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:30	QNW
Chromium	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:30	QNW
Cobalt	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:30	QNW
Copper	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:30	QNW
Iron	0.083	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:30	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:30	QNW
Magnesium	1.4	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:30	QNW
Manganese	0.012	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:30	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/2/18	11/5/18 9:38	EJB
Nickel	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:30	QNW
Potassium	ND	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:30	QNW
Selenium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:30	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:30	QNW
Sodium	23	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:30	QNW
Thallium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:30	QNW
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:30	QNW
Zinc	ND	0.020	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:30	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-1A

Sampled: 10/24/2018 10:15

Sample ID: 18J1239-07

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	2.6	1.4	mg/L	1		SM21-22 2540D	10/30/18	10/30/18 13:30	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-1A

Sampled: 10/24/2018 10:15

Sample ID: 18J1239-07

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	150	10	mg/L	1		SM21-22 2540C	10/31/18	10/31/18 9:30	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: Dup-1

Sampled: 10/24/2018 00:00

Sample ID: 18J1239-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
Methyl Acetate	ND	2.0	0.42	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
Toluene	0.17	1.0	0.17	µg/L	1	J	SW-846 8260C	11/1/18	11/2/18 6:23	BRF
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: Dup-1

Sampled: 10/24/2018 00:00

Sample ID: 18J1239-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:23	BRF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	102		70-130				11/2/18 6:23			
Toluene-d8	102		70-130				11/2/18 6:23			
4-Bromofluorobenzene	101		70-130				11/2/18 6:23			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: Dup-1

Sampled: 10/24/2018 00:00

Sample ID: 18J1239-08

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:02	WAL
Aroclor-1221 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:02	WAL
Aroclor-1232 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:02	WAL
Aroclor-1242 [2]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:02	WAL
Aroclor-1248 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:02	WAL
Aroclor-1254 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:02	WAL
Aroclor-1260 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:02	WAL
Aroclor-1262 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:02	WAL
Aroclor-1268 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:02	WAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	52.4	30-150							
Decachlorobiphenyl [2]	49.4	30-150							
Tetrachloro-m-xylene [1]	70.7	30-150							
Tetrachloro-m-xylene [2]	71.4	30-150							

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: Dup-1

Sampled: 10/24/2018 00:00

Sample ID: 18J1239-08

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.12	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:35	QNW
Antimony	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:35	QNW
Arsenic	0.014	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:35	QNW
Barium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:35	QNW
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:35	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:35	QNW
Calcium	13	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:35	QNW
Chromium	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:35	QNW
Cobalt	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:35	QNW
Copper	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:35	QNW
Iron	0.072	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:35	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:35	QNW
Magnesium	1.4	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:35	QNW
Manganese	0.012	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:35	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/2/18	11/5/18 9:39	EJB
Nickel	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:35	QNW
Potassium	ND	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:35	QNW
Selenium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:35	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:35	QNW
Sodium	23	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:35	QNW
Thallium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:35	QNW
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:35	QNW
Zinc	ND	0.020	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:35	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: Dup-1

Sampled: 10/24/2018 00:00

Sample ID: 18J1239-08

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	ND	1.4	mg/L	1		SM21-22 2540D	10/29/18	10/29/18 10:00	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: Dup-1

Sampled: 10/24/2018 00:00

Sample ID: 18J1239-08

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	170	10	mg/L	1	H-15	SM21-22 2540C	10/31/18	10/31/18 9:30	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-1

Sampled: 10/24/2018 10:10

Sample ID: 18J1239-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
Methyl Acetate	ND	2.0	0.42	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-1

Sampled: 10/24/2018 10:10

Sample ID: 18J1239-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	11/1/18	11/2/18 6:54	BRF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	105		70-130				11/2/18 6:54			
Toluene-d8	100		70-130				11/2/18 6:54			
4-Bromofluorobenzene	101		70-130				11/2/18 6:54			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-1

Sampled: 10/24/2018 10:10

Sample ID: 18J1239-09

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:16	WAL
Aroclor-1221 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:16	WAL
Aroclor-1232 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:16	WAL
Aroclor-1242 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:16	WAL
Aroclor-1248 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:16	WAL
Aroclor-1254 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:16	WAL
Aroclor-1260 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:16	WAL
Aroclor-1262 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:16	WAL
Aroclor-1268 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:16	WAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	82.2	30-150							
Decachlorobiphenyl [2]	77.3	30-150							
Tetrachloro-m-xylene [1]	67.4	30-150							
Tetrachloro-m-xylene [2]	67.7	30-150							

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-1

Sampled: 10/24/2018 10:10

Sample ID: 18J1239-09

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.055	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:54	QNW
Antimony	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:54	QNW
Arsenic	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:54	QNW
Barium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:54	QNW
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:54	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:54	QNW
Calcium	45	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:54	QNW
Chromium	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:54	QNW
Cobalt	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:54	QNW
Copper	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:54	QNW
Iron	0.23	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:54	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:54	QNW
Magnesium	9.7	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:54	QNW
Manganese	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:54	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/2/18	11/5/18 9:41	EJB
Nickel	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:54	QNW
Potassium	ND	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:54	QNW
Selenium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:54	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:54	QNW
Sodium	50	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:54	QNW
Thallium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:54	QNW
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:54	QNW
Zinc	ND	0.020	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:54	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-1

Sampled: 10/24/2018 10:10

Sample ID: 18J1239-09

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	1.7	1.4	mg/L	1		SM21-22 2540D	10/30/18	10/30/18 13:30	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-1

Sampled: 10/24/2018 10:10

Sample ID: 18J1239-09

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	330	10	mg/L	1		SM21-22 2540C	10/31/18	10/31/18 9:30	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-5

Sampled: 10/24/2018 11:35

Sample ID: 18J1239-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
Benzene	3.3	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
Chlorobenzene	5.0	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
Cyclohexane	1.9	5.0	0.25	µg/L	1	J	SW-846 8260C	11/1/18	11/2/18 7:25	BRF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
1,4-Dichlorobenzene	1.6	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
cis-1,2-Dichloroethylene	6.6	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
1,4-Dioxane	100	100	26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
Ethylbenzene	1.1	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
Isopropylbenzene (Cumene)	1.4	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
Methyl Acetate	ND	2.0	0.42	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
Methyl tert-Butyl Ether (MTBE)	1.7	1.0	0.090	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
Methyl Cyclohexane	1.1	1.0	0.63	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
Toluene	3.8	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-5

Sampled: 10/24/2018 11:35

Sample ID: 18J1239-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
Vinyl Chloride	220	20	1.3	µg/L	10		SW-846 8260C	11/2/18	11/3/18 14:42	LBD
m+p Xylene	8.0	2.0	0.26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
o-Xylene	2.5	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:25	BRF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	102	70-130	
1,2-Dichloroethane-d4	104	70-130	
Toluene-d8	101	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	103	70-130	
4-Bromofluorobenzene	105	70-130	

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-5

Sampled: 10/24/2018 11:35

Sample ID: 18J1239-10

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:29	WAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:29	WAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:29	WAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:29	WAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:29	WAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:29	WAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:29	WAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:29	WAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:29	WAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	52.9	30-150						11/3/18 15:29	
Decachlorobiphenyl [2]	50.1	30-150						11/3/18 15:29	
Tetrachloro-m-xylene [1]	69.1	30-150						11/3/18 15:29	
Tetrachloro-m-xylene [2]	65.8	30-150						11/3/18 15:29	

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-5

Sampled: 10/24/2018 11:35

Sample ID: 18J1239-10

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	10	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:59	QNW
Antimony	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:59	QNW
Arsenic	0.034	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:59	QNW
Barium	0.46	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:59	QNW
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:59	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:59	QNW
Calcium	130	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:59	QNW
Chromium	0.016	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:59	QNW
Cobalt	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:59	QNW
Copper	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:59	QNW
Iron	62	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:59	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:59	QNW
Magnesium	48	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:59	QNW
Manganese	1.9	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:59	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/2/18	11/5/18 9:42	EJB
Nickel	0.027	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:59	QNW
Potassium	18	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:59	QNW
Selenium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:59	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:59	QNW
Sodium	220	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:59	QNW
Thallium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:59	QNW
Vanadium	0.025	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:59	QNW
Zinc	0.071	0.020	mg/L	1		SW-846 6010D	11/1/18	11/5/18 17:59	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-5

Sampled: 10/24/2018 11:35

Sample ID: 18J1239-10

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	230	2.8	mg/L	1		SM21-22 2540D	10/30/18	10/30/18 13:30	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-5

Sampled: 10/24/2018 11:35

Sample ID: 18J1239-10

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	1200	10	mg/L	1		SM21-22 2540C	10/31/18	10/31/18 9:30	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-7

Sampled: 10/24/2018 13:40

Sample ID: 18J1239-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
Cyclohexane	1.1	5.0	0.25	µg/L	1	J	SW-846 8260C	11/1/18	11/2/18 7:55	BRF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
Methyl Acetate	ND	2.0	0.42	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-7

Sampled: 10/24/2018 13:40

Sample ID: 18J1239-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	11/1/18	11/2/18 7:55	BRF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	102		70-130				11/2/18 7:55			
Toluene-d8	100		70-130				11/2/18 7:55			
4-Bromofluorobenzene	101		70-130				11/2/18 7:55			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-7

Sampled: 10/24/2018 13:40

Sample ID: 18J1239-11

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:41	WAL
Aroclor-1221 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:41	WAL
Aroclor-1232 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:41	WAL
Aroclor-1242 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:41	WAL
Aroclor-1248 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:41	WAL
Aroclor-1254 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:41	WAL
Aroclor-1260 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:41	WAL
Aroclor-1262 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:41	WAL
Aroclor-1268 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:41	WAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	69.8	30-150							
Decachlorobiphenyl [2]	65.2	30-150							
Tetrachloro-m-xylene [1]	69.7	30-150							
Tetrachloro-m-xylene [2]	69.8	30-150							

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-7

Sampled: 10/24/2018 13:40

Sample ID: 18J1239-11

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:06	QNW
Antimony	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:06	QNW
Arsenic	0.012	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:06	QNW
Barium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:06	QNW
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:06	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:06	QNW
Calcium	44	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:06	QNW
Chromium	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:06	QNW
Cobalt	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:06	QNW
Copper	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:06	QNW
Iron	130	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:06	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:06	QNW
Magnesium	7.1	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:06	QNW
Manganese	2.4	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:06	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/2/18	11/5/18 9:44	EJB
Nickel	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:06	QNW
Potassium	ND	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:06	QNW
Selenium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:06	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:06	QNW
Sodium	2.9	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:06	QNW
Thallium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:06	QNW
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:06	QNW
Zinc	ND	0.020	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:06	QNW

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Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-7

Sampled: 10/24/2018 13:40

Sample ID: 18J1239-11

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	66	2.0	mg/L	1		SM21-22 2540D	10/30/18	10/30/18 13:30	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-7

Sampled: 10/24/2018 13:40

Sample ID: 18J1239-11

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	290	10	mg/L	1		SM21-22 2540C	10/31/18	10/31/18 9:30	LL

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Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-9

Sampled: 10/24/2018 13:48

Sample ID: 18J1239-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
Methyl Acetate	ND	2.0	0.42	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-9

Sampled: 10/24/2018 13:48

Sample ID: 18J1239-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:26	BRF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	102		70-130				11/2/18 8:26			
Toluene-d8	102		70-130				11/2/18 8:26			
4-Bromofluorobenzene	102		70-130				11/2/18 8:26			

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-9

Sampled: 10/24/2018 13:48

Sample ID: 18J1239-12

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:54	WAL
Aroclor-1221 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:54	WAL
Aroclor-1232 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:54	WAL
Aroclor-1242 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:54	WAL
Aroclor-1248 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:54	WAL
Aroclor-1254 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:54	WAL
Aroclor-1260 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:54	WAL
Aroclor-1262 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:54	WAL
Aroclor-1268 [1]	ND	0.19	µg/L	1		SW-846 8082A	10/31/18	11/3/18 15:54	WAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.4	30-150							
Decachlorobiphenyl [2]	81.5	30-150							
Tetrachloro-m-xylene [1]	80.1	30-150							
Tetrachloro-m-xylene [2]	80.0	30-150							

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-9

Sampled: 10/24/2018 13:48

Sample ID: 18J1239-12

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.054	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:11	QNW
Antimony	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:11	QNW
Arsenic	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:11	QNW
Barium	0.069	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:11	QNW
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:11	QNW
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:11	QNW
Calcium	70	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:11	QNW
Chromium	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:11	QNW
Cobalt	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:11	QNW
Copper	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:11	QNW
Iron	0.71	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:11	QNW
Lead	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:11	QNW
Magnesium	140	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:11	QNW
Manganese	0.033	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:11	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/2/18	11/5/18 9:46	EJB
Nickel	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:11	QNW
Potassium	ND	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:11	QNW
Selenium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:11	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:11	QNW
Sodium	140	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:11	QNW
Thallium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:11	QNW
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:11	QNW
Zinc	ND	0.020	mg/L	1		SW-846 6010D	11/1/18	11/5/18 18:11	QNW

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-9

Sampled: 10/24/2018 13:48

Sample ID: 18J1239-12

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Suspended Solids	2.6	1.4	mg/L	1		SM21-22 2540D	10/30/18	10/30/18 13:30	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: MW-9

Sampled: 10/24/2018 13:48

Sample ID: 18J1239-12

Sample Matrix: Ground Water

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Dissolved Solids	990	10	mg/L	1		SM21-22 2540C	10/31/18	10/31/18 9:30	LL

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: Trip Blank

Sampled: 10/24/2018 00:00

Sample ID: 18J1239-13

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
Methyl Acetate	ND	2.0	0.42	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1239

Date Received: 10/25/2018

Field Sample #: Trip Blank

Sampled: 10/24/2018 00:00

Sample ID: 18J1239-13

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	11/1/18	11/2/18 1:46	BRF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	103		70-130							
Toluene-d8	101		70-130							
4-Bromofluorobenzene	101		70-130							

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

Sample Extraction Data

SM21-22 2540C

Lab Number [Field ID]	Batch	Initial [mL]	Date
18J1239-01 [MW-8]	B215850	25.0	10/29/18
18J1239-02 [MW-1D]	B215850	25.0	10/29/18
18J1239-03 [MW-6B]	B215850	25.0	10/29/18
18J1239-04 [MW-6C]	B215850	25.0	10/29/18
18J1239-05 [MW-6]	B215850	25.0	10/29/18
18J1239-06 [Field Blank 2]	B215850	25.0	10/29/18

SM21-22 2540C

Lab Number [Field ID]	Batch	Initial [mL]	Date
18J1239-07 [MW-1A]	B216051	50.0	10/31/18
18J1239-08 [Dup-1]	B216051	50.0	10/31/18
18J1239-09 [MW-1]	B216051	50.0	10/31/18
18J1239-10 [MW-5]	B216051	50.0	10/31/18
18J1239-11 [MW-7]	B216051	50.0	10/31/18
18J1239-12 [MW-9]	B216051	50.0	10/31/18

SM21-22 2540D

Lab Number [Field ID]	Batch	Initial [mL]	Date
18J1239-01 [MW-8]	B215852	350	10/29/18
18J1239-02 [MW-1D]	B215852	100	10/29/18
18J1239-03 [MW-6B]	B215852	350	10/29/18
18J1239-04 [MW-6C]	B215852	350	10/29/18
18J1239-05 [MW-6]	B215852	350	10/29/18
18J1239-06 [Field Blank 2]	B215852	350	10/29/18
18J1239-08 [Dup-1]	B215852	350	10/29/18

SM21-22 2540D

Lab Number [Field ID]	Batch	Initial [mL]	Date
18J1239-07 [MW-1A]	B215960	350	10/30/18
18J1239-09 [MW-1]	B215960	350	10/30/18
18J1239-10 [MW-5]	B215960	180	10/30/18
18J1239-11 [MW-7]	B215960	250	10/30/18
18J1239-12 [MW-9]	B215960	350	10/30/18

Prep Method: SW-846 3005A-SW-846 6010D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1239-01 [MW-8]	B216185	50.0	50.0	11/01/18
18J1239-02 [MW-1D]	B216185	50.0	50.0	11/01/18
18J1239-03 [MW-6B]	B216185	50.0	50.0	11/01/18
18J1239-04 [MW-6C]	B216185	50.0	50.0	11/01/18
18J1239-05 [MW-6]	B216185	50.0	50.0	11/01/18
18J1239-06 [Field Blank 2]	B216185	50.0	50.0	11/01/18
18J1239-07 [MW-1A]	B216185	50.0	50.0	11/01/18
18J1239-08 [Dup-1]	B216185	50.0	50.0	11/01/18
18J1239-09 [MW-1]	B216185	50.0	50.0	11/01/18
18J1239-10 [MW-5]	B216185	50.0	50.0	11/01/18

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

Sample Extraction Data

Prep Method: SW-846 3005A-SW-846 6010D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1239-11 [MW-7]	B216185	50.0	50.0	11/01/18
18J1239-12 [MW-9]	B216185	50.0	50.0	11/01/18

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1239-01 [MW-8]	B216276	6.00	6.00	11/02/18
18J1239-02 [MW-1D]	B216276	6.00	6.00	11/02/18
18J1239-03 [MW-6B]	B216276	6.00	6.00	11/02/18
18J1239-04 [MW-6C]	B216276	6.00	6.00	11/02/18
18J1239-05 [MW-6]	B216276	6.00	6.00	11/02/18
18J1239-06 [Field Blank 2]	B216276	6.00	6.00	11/02/18
18J1239-07 [MW-1A]	B216276	6.00	6.00	11/02/18
18J1239-08 [Dup-1]	B216276	6.00	6.00	11/02/18
18J1239-09 [MW-1]	B216276	6.00	6.00	11/02/18
18J1239-10 [MW-5]	B216276	6.00	6.00	11/02/18
18J1239-11 [MW-7]	B216276	6.00	6.00	11/02/18
18J1239-12 [MW-9]	B216276	6.00	6.00	11/02/18

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1239-01 [MW-8]	B215998	1000	10.0	10/30/18
18J1239-02 [MW-1D]	B215998	1000	10.0	10/30/18
18J1239-03 [MW-6B]	B215998	1000	10.0	10/30/18
18J1239-04 [MW-6C]	B215998	1000	10.0	10/30/18
18J1239-05 [MW-6]	B215998	1000	10.0	10/30/18

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1239-06 [Field Blank 2]	B216085	1050	10.0	10/31/18
18J1239-07 [MW-1A]	B216085	1060	10.0	10/31/18
18J1239-08 [Dup-1]	B216085	1050	10.0	10/31/18
18J1239-09 [MW-1]	B216085	1030	10.0	10/31/18
18J1239-10 [MW-5]	B216085	1020	10.0	10/31/18
18J1239-11 [MW-7]	B216085	1050	10.0	10/31/18
18J1239-12 [MW-9]	B216085	1040	10.0	10/31/18

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1239-01 [MW-8]	B216144	5	5.00	11/01/18
18J1239-02 [MW-1D]	B216144	5	5.00	11/01/18
18J1239-03 [MW-6B]	B216144	5	5.00	11/01/18
18J1239-04 [MW-6C]	B216144	5	5.00	11/01/18
18J1239-05 [MW-6]	B216144	5	5.00	11/01/18
18J1239-06 [Field Blank 2]	B216144	5	5.00	11/01/18
18J1239-07 [MW-1A]	B216144	5	5.00	11/01/18
18J1239-08 [Dup-1]	B216144	5	5.00	11/01/18

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method: SW-846 5030B-SW-846 8260C**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1239-09 [MW-1]	B216144	5	5.00	11/01/18
18J1239-10 [MW-5]	B216144	5	5.00	11/01/18
18J1239-11 [MW-7]	B216144	5	5.00	11/01/18
18J1239-12 [MW-9]	B216144	5	5.00	11/01/18
18J1239-13 [Trip Blank]	B216144	5	5.00	11/01/18

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1239-10RE1 [MW-5]	B216280	0.5	5.00	11/02/18

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 B216144 - SW-846 5030B										
Blank (B216144-BLK1)				Prepared: 11/01/18 Analyzed: 11/02/18						
Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	3.0	µg/L							

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 B216144 - SW-846 5030B										
Blank (B216144-BLK1)				Prepared: 11/01/18 Analyzed: 11/02/18						
Surrogate: 1,2-Dichloroethane-d4	25.8		µg/L	25.0		103	70-130			
Surrogate: Toluene-d8	25.1		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	25.7		µg/L	25.0		103	70-130			
LCS (B216144-BS1)				Prepared & Analyzed: 11/01/18						
Acetone	113	50	µg/L	100		113	70-160			V-36 †
Benzene	10.7	1.0	µg/L	10.0		107	70-130			
Bromochloromethane	12.2	1.0	µg/L	10.0		122	70-130			
Bromodichloromethane	10.6	0.50	µg/L	10.0		106	70-130			
Bromoform	9.83	1.0	µg/L	10.0		98.3	70-130			
Bromomethane	7.24	2.0	µg/L	10.0		72.4	40-160			V-20 †
2-Butanone (MEK)	104	20	µg/L	100		104	40-160			†
Carbon Disulfide	12.0	4.0	µg/L	10.0		120	70-130			V-36
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108	70-130			
Chlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
Chlorodibromomethane	11.1	0.50	µg/L	10.0		111	70-130			
Chloroethane	9.15	2.0	µg/L	10.0		91.5	70-130			
Cyclohexane	10.4	5.0	µg/L	10.0		104	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.52	5.0	µg/L	10.0		95.2	70-130			
1,2-Dibromoethane (EDB)	11.1	0.50	µg/L	10.0		111	70-130			
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
Dichlorodifluoromethane (Freon 12)	8.34	2.0	µg/L	10.0		83.4	40-160			†
1,1-Dichloroethane	10.5	1.0	µg/L	10.0		105	70-130			
1,2-Dichloroethane	11.1	1.0	µg/L	10.0		111	70-130			
1,1-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
cis-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130			
trans-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
1,2-Dichloropropane	10.5	1.0	µg/L	10.0		105	70-130			
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130			
trans-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130			
1,4-Dioxane	121	50	µg/L	100		121	40-130			†
Ethylbenzene	10.0	1.0	µg/L	10.0		100	70-130			
2-Hexanone (MBK)	92.3	10	µg/L	100		92.3	70-160			†
Isopropylbenzene (Cumene)	10.3	1.0	µg/L	10.0		103	70-130			
Methyl Acetate	15.5	1.0	µg/L	10.0		155	* 70-130			L-02
Methyl tert-Butyl Ether (MTBE)	10.7	1.0	µg/L	10.0		107	70-130			
Methyl Cyclohexane	9.95	1.0	µg/L	10.0		99.5	70-130			
Methylene Chloride	9.94	5.0	µg/L	10.0		99.4	70-130			
4-Methyl-2-pentanone (MIBK)	92.9	10	µg/L	100		92.9	70-160			†
Styrene	10.1	1.0	µg/L	10.0		101	70-130			
1,1,1,2-Tetrachloroethane	10.2	1.0	µg/L	10.0		102	70-130			
Tetrachloroethylene	10.7	1.0	µg/L	10.0		107	70-130			
Toluene	10.4	1.0	µg/L	10.0		104	70-130			
1,2,3-Trichlorobenzene	10.6	5.0	µg/L	10.0		106	70-130			
1,2,4-Trichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
1,1,1-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
Trichloroethylene	11.0	1.0	µg/L	10.0		110	70-130			
Trichlorofluoromethane (Freon 11)	10.4	2.0	µg/L	10.0		104	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	1.0	µg/L	10.0		110	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 B216144 - SW-846 5030B										
LCS (B216144-BS1)										
Prepared & Analyzed: 11/01/18										
Vinyl Chloride	8.97	2.0	µg/L	10.0		89.7	40-160			†
m+p Xylene	20.0	2.0	µg/L	20.0		100	70-130			
o-Xylene	10.2	1.0	µg/L	10.0		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	25.6		µg/L	25.0		102	70-130			
Surrogate: Toluene-d8	25.3		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.8		µg/L	25.0		103	70-130			
LCS Dup (B216144-BSD1)										
Prepared: 11/01/18 Analyzed: 11/02/18										
Acetone	104	50	µg/L	100		104	70-160	8.55	25	V-36 †
Benzene	10.0	1.0	µg/L	10.0		100	70-130	6.17	25	
Bromochloromethane	11.5	1.0	µg/L	10.0		115	70-130	5.40	25	
Bromodichloromethane	10.3	0.50	µg/L	10.0		103	70-130	2.49	25	
Bromoform	9.75	1.0	µg/L	10.0		97.5	70-130	0.817	25	
Bromomethane	8.46	2.0	µg/L	10.0		84.6	40-160	15.5	25	V-20 †
2-Butanone (MEK)	96.1	20	µg/L	100		96.1	40-160	7.52	25	†
Carbon Disulfide	11.0	4.0	µg/L	10.0		110	70-130	8.60	25	V-36
Carbon Tetrachloride	10.1	5.0	µg/L	10.0		101	70-130	6.59	25	
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	2.43	25	
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107	70-130	3.57	25	
Chloroethane	8.71	2.0	µg/L	10.0		87.1	70-130	4.93	25	
Cyclohexane	9.46	5.0	µg/L	10.0		94.6	70-130	9.27	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.49	5.0	µg/L	10.0		94.9	70-130	0.316	25	
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130	2.28	25	
1,2-Dichlorobenzene	9.56	1.0	µg/L	10.0		95.6	70-130	5.69	25	
1,3-Dichlorobenzene	9.73	1.0	µg/L	10.0		97.3	70-130	5.01	25	
1,4-Dichlorobenzene	9.63	1.0	µg/L	10.0		96.3	70-130	4.76	25	
Dichlorodifluoromethane (Freon 12)	7.29	2.0	µg/L	10.0		72.9	40-160	13.4	25	†
1,1-Dichloroethane	10.0	1.0	µg/L	10.0		100	70-130	4.76	25	
1,2-Dichloroethane	10.7	1.0	µg/L	10.0		107	70-130	3.49	25	
1,1-Dichloroethylene	9.42	1.0	µg/L	10.0		94.2	70-130	6.87	25	
cis-1,2-Dichloroethylene	9.48	1.0	µg/L	10.0		94.8	70-130	5.84	25	
trans-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130	5.16	25	
1,2-Dichloropropane	10.0	1.0	µg/L	10.0		100	70-130	4.20	25	
cis-1,3-Dichloropropene	9.81	0.50	µg/L	10.0		98.1	70-130	3.31	25	
trans-1,3-Dichloropropene	9.99	0.50	µg/L	10.0		99.9	70-130	3.54	25	
1,4-Dioxane	118	50	µg/L	100		118	40-130	2.61	50	† ‡
Ethylbenzene	9.53	1.0	µg/L	10.0		95.3	70-130	4.81	25	
2-Hexanone (MBK)	93.4	10	µg/L	100		93.4	70-160	1.20	25	†
Isopropylbenzene (Cumene)	9.74	1.0	µg/L	10.0		97.4	70-130	5.30	25	
Methyl Acetate	15.5	1.0	µg/L	10.0		155	* 70-130	0.0645	25	L-02
Methyl tert-Butyl Ether (MTBE)	10.4	1.0	µg/L	10.0		104	70-130	2.64	25	
Methyl Cyclohexane	8.97	1.0	µg/L	10.0		89.7	70-130	10.4	25	
Methylene Chloride	9.42	5.0	µg/L	10.0		94.2	70-130	5.37	25	
4-Methyl-2-pentanone (MIBK)	94.6	10	µg/L	100		94.6	70-160	1.76	25	†
Styrene	9.56	1.0	µg/L	10.0		95.6	70-130	5.20	25	
1,1,1,2-Tetrachloroethane	10.1	1.0	µg/L	10.0		101	70-130	0.492	25	
Tetrachloroethylene	10.2	1.0	µg/L	10.0		102	70-130	5.00	25	
Toluene	9.98	1.0	µg/L	10.0		99.8	70-130	4.12	25	
1,2,3-Trichlorobenzene	10.2	5.0	µg/L	10.0		102	70-130	4.04	25	
1,2,4-Trichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	3.53	25	
1,1,1-Trichloroethane	9.92	1.0	µg/L	10.0		99.2	70-130	8.68	25	
1,1,2-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130	5.73	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 B216144 - SW-846 5030B										
LCS Dup (B216144-BSD1)				Prepared: 11/01/18 Analyzed: 11/02/18						
Trichloroethylene	10.3	1.0	µg/L	10.0		103	70-130	6.67	25	
Trichlorofluoromethane (Freon 11)	9.55	2.0	µg/L	10.0		95.5	70-130	8.71	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.38	1.0	µg/L	10.0		93.8	70-130	15.6	25	
Vinyl Chloride	8.37	2.0	µg/L	10.0		83.7	40-160	6.92	25	†
m+p Xylene	19.3	2.0	µg/L	20.0		96.6	70-130	3.51	25	
o-Xylene	9.66	1.0	µg/L	10.0		96.6	70-130	5.73	25	
Surrogate: 1,2-Dichloroethane-d4	24.9		µg/L	25.0		99.6	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.4		µg/L	25.0		102	70-130			
Batch B216280 - SW-846 5030B										
Blank (B216280-BLK1)				Prepared: 11/02/18 Analyzed: 11/03/18						
Vinyl Chloride	ND	2.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	25.5		µg/L	25.0		102	70-130			
Surrogate: Toluene-d8	25.4		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	25.3		µg/L	25.0		101	70-130			
LCS (B216280-BS1)				Prepared: 11/02/18 Analyzed: 11/03/18						
Vinyl Chloride	8.20	2.0	µg/L	10.0		82.0	40-160			†
Surrogate: 1,2-Dichloroethane-d4	25.6		µg/L	25.0		102	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	26.0		µg/L	25.0		104	70-130			
LCS Dup (B216280-BSD1)				Prepared: 11/02/18 Analyzed: 11/03/18						
Vinyl Chloride	8.28	2.0	µg/L	10.0		82.8	40-160	0.971	25	†
Surrogate: 1,2-Dichloroethane-d4	26.0		µg/L	25.0		104	70-130			
Surrogate: Toluene-d8	25.7		µg/L	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	26.2		µg/L	25.0		105	70-130			

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

QUALITY CONTROL
Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B215998 - SW-846 3510C										
Blank (B215998-BLK1)										
Prepared: 10/30/18 Analyzed: 10/31/18										
Aroclor-1016	ND	0.040	µg/L							
Aroclor-1016 [2C]	ND	0.040	µg/L							
Aroclor-1221	ND	0.040	µg/L							
Aroclor-1221 [2C]	ND	0.040	µg/L							
Aroclor-1232	ND	0.040	µg/L							
Aroclor-1232 [2C]	ND	0.040	µg/L							
Aroclor-1242	ND	0.040	µg/L							
Aroclor-1242 [2C]	ND	0.040	µg/L							
Aroclor-1248	ND	0.040	µg/L							
Aroclor-1248 [2C]	ND	0.040	µg/L							
Aroclor-1254	ND	0.040	µg/L							
Aroclor-1254 [2C]	ND	0.040	µg/L							
Aroclor-1260	ND	0.040	µg/L							
Aroclor-1260 [2C]	ND	0.040	µg/L							
Aroclor-1262	ND	0.040	µg/L							
Aroclor-1262 [2C]	ND	0.040	µg/L							
Aroclor-1268	ND	0.040	µg/L							
Aroclor-1268 [2C]	ND	0.040	µg/L							
Surrogate: Decachlorobiphenyl	0.413		µg/L	0.400		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.399		µg/L	0.400		99.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.402		µg/L	0.400		100	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.412		µg/L	0.400		103	30-150			
LCS (B215998-BS1)										
Prepared: 10/30/18 Analyzed: 10/31/18										
Aroclor-1016	0.54	0.20	µg/L	0.500		107	40-140			
Aroclor-1016 [2C]	0.57	0.20	µg/L	0.500		114	40-140			
Aroclor-1260	0.51	0.20	µg/L	0.500		103	40-140			
Aroclor-1260 [2C]	0.55	0.20	µg/L	0.500		109	40-140			
Surrogate: Decachlorobiphenyl	1.78		µg/L	2.00		88.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.72		µg/L	2.00		85.9	30-150			
Surrogate: Tetrachloro-m-xylene	1.65		µg/L	2.00		82.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.69		µg/L	2.00		84.4	30-150			
LCS Dup (B215998-BSD1)										
Prepared: 10/30/18 Analyzed: 10/31/18										
Aroclor-1016	0.57	0.20	µg/L	0.500		114	40-140	6.52	20	
Aroclor-1016 [2C]	0.61	0.20	µg/L	0.500		122	40-140	6.90	20	
Aroclor-1260	0.54	0.20	µg/L	0.500		108	40-140	4.91	20	
Aroclor-1260 [2C]	0.58	0.20	µg/L	0.500		116	40-140	5.67	20	
Surrogate: Decachlorobiphenyl	1.80		µg/L	2.00		90.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.74		µg/L	2.00		86.8	30-150			
Surrogate: Tetrachloro-m-xylene	1.81		µg/L	2.00		90.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.87		µg/L	2.00		93.6	30-150			

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

QUALITY CONTROL
Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch B216085 - SW-846 3510C
Blank (B216085-BLK1)

Prepared: 10/31/18 Analyzed: 11/03/18

Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	1.65		µg/L	2.00		82.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.55		µg/L	2.00		77.6	30-150			
Surrogate: Tetrachloro-m-xylene	1.40		µg/L	2.00		70.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.43		µg/L	2.00		71.5	30-150			

LCS (B216085-BS1)

Prepared: 10/31/18 Analyzed: 11/03/18

Aroclor-1016	0.43	0.20	µg/L	0.500		85.9	40-140			
Aroclor-1016 [2C]	0.44	0.20	µg/L	0.500		87.8	40-140			
Aroclor-1260	0.44	0.20	µg/L	0.500		87.6	40-140			
Aroclor-1260 [2C]	0.45	0.20	µg/L	0.500		90.1	40-140			
Surrogate: Decachlorobiphenyl	0.638		µg/L	2.00		31.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.612		µg/L	2.00		30.6	30-150			
Surrogate: Tetrachloro-m-xylene	1.38		µg/L	2.00		69.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.40		µg/L	2.00		70.0	30-150			

LCS Dup (B216085-BSD1)

Prepared: 10/31/18 Analyzed: 11/03/18

Aroclor-1016	0.42	0.20	µg/L	0.500		84.4	40-140	1.77	20	
Aroclor-1016 [2C]	0.43	0.20	µg/L	0.500		86.6	40-140	1.43	20	
Aroclor-1260	0.44	0.20	µg/L	0.500		88.9	40-140	1.44	20	
Aroclor-1260 [2C]	0.46	0.20	µg/L	0.500		91.6	40-140	1.61	20	
Surrogate: Decachlorobiphenyl	1.68		µg/L	2.00		84.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.56		µg/L	2.00		78.1	30-150			
Surrogate: Tetrachloro-m-xylene	1.40		µg/L	2.00		70.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.41		µg/L	2.00		70.7	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 B216185 - SW-846 3005A
Blank (B216185-BLK1)

Prepared: 11/01/18 Analyzed: 11/05/18

Aluminum	ND	0.050	mg/L
Antimony	ND	0.050	mg/L
Arsenic	ND	0.010	mg/L
Barium	ND	0.050	mg/L
Beryllium	ND	0.0040	mg/L
Cadmium	ND	0.0040	mg/L
Calcium	ND	0.15	mg/L
Chromium	ND	0.010	mg/L
Cobalt	ND	0.050	mg/L
Copper	ND	0.010	mg/L
Iron	ND	0.050	mg/L
Lead	ND	0.010	mg/L
Magnesium	ND	0.15	mg/L
Manganese	ND	0.010	mg/L
Nickel	ND	0.010	mg/L
Potassium	ND	2.0	mg/L
Selenium	ND	0.050	mg/L
Silver	ND	0.0050	mg/L
Sodium	ND	2.0	mg/L
Thallium	ND	0.050	mg/L
Vanadium	ND	0.010	mg/L
Zinc	ND	0.020	mg/L

LCS (B216185-BS1)

Prepared: 11/01/18 Analyzed: 11/05/18

Aluminum	0.463	0.050	mg/L	0.500	92.6	80-120
Antimony	0.536	0.050	mg/L	0.500	107	80-120
Arsenic	0.517	0.010	mg/L	0.500	103	80-120
Barium	0.509	0.050	mg/L	0.500	102	80-120
Beryllium	0.522	0.0040	mg/L	0.500	104	80-120
Cadmium	0.496	0.0040	mg/L	0.500	99.3	80-120
Calcium	4.23	0.15	mg/L	4.00	106	80-120
Chromium	0.496	0.010	mg/L	0.500	99.3	80-120
Cobalt	0.516	0.050	mg/L	0.500	103	80-120
Copper	0.971	0.010	mg/L	1.00	97.1	80-120
Iron	4.07	0.050	mg/L	4.00	102	80-120
Lead	0.541	0.010	mg/L	0.500	108	80-120
Magnesium	4.04	0.15	mg/L	4.00	101	80-120
Manganese	0.489	0.010	mg/L	0.500	97.9	80-120
Nickel	0.510	0.010	mg/L	0.500	102	80-120
Potassium	3.88	2.0	mg/L	4.00	97.0	80-120
Selenium	0.527	0.050	mg/L	0.500	105	80-120
Silver	0.515	0.0050	mg/L	0.500	103	80-120
Sodium	4.21	2.0	mg/L	4.00	105	80-120
Thallium	0.502	0.050	mg/L	0.500	100	80-120
Vanadium	0.492	0.010	mg/L	0.500	98.4	80-120
Zinc	0.998	0.020	mg/L	1.00	99.8	80-120

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 B216185 - SW-846 3005A
LCS Dup (B216185-BSD1)

Prepared: 11/01/18 Analyzed: 11/05/18

Aluminum	0.459	0.050	mg/L	0.500		91.9	80-120	0.720	20	
Antimony	0.530	0.050	mg/L	0.500		106	80-120	1.04	20	
Arsenic	0.510	0.010	mg/L	0.500		102	80-120	1.47	20	
Barium	0.512	0.050	mg/L	0.500		102	80-120	0.519	20	
Beryllium	0.515	0.0040	mg/L	0.500		103	80-120	1.43	20	
Cadmium	0.499	0.0040	mg/L	0.500		99.9	80-120	0.634	20	
Calcium	4.14	0.15	mg/L	4.00		103	80-120	2.06	20	
Chromium	0.499	0.010	mg/L	0.500		99.7	80-120	0.479	20	
Cobalt	0.519	0.050	mg/L	0.500		104	80-120	0.626	20	
Copper	0.983	0.010	mg/L	1.00		98.3	80-120	1.20	20	
Iron	4.01	0.050	mg/L	4.00		100	80-120	1.46	20	
Lead	0.536	0.010	mg/L	0.500		107	80-120	0.829	20	
Magnesium	4.00	0.15	mg/L	4.00		99.9	80-120	1.22	20	
Manganese	0.483	0.010	mg/L	0.500		96.7	80-120	1.25	20	
Nickel	0.512	0.010	mg/L	0.500		102	80-120	0.449	20	
Potassium	3.84	2.0	mg/L	4.00		96.1	80-120	0.994	20	
Selenium	0.523	0.050	mg/L	0.500		105	80-120	0.666	20	
Silver	0.518	0.0050	mg/L	0.500		104	80-120	0.704	20	
Sodium	4.16	2.0	mg/L	4.00		104	80-120	1.16	20	
Thallium	0.498	0.050	mg/L	0.500		99.6	80-120	0.888	20	
Vanadium	0.497	0.010	mg/L	0.500		99.3	80-120	0.909	20	
Zinc	0.999	0.020	mg/L	1.00		99.9	80-120	0.0138	20	

Duplicate (B216185-DUP1)

Source: 18J1239-01

Prepared: 11/01/18 Analyzed: 11/05/18

Aluminum	ND	0.050	mg/L		ND		NC	20	
Antimony	ND	0.050	mg/L		ND		NC	20	
Arsenic	ND	0.010	mg/L		ND		NC	20	
Barium	ND	0.050	mg/L		ND		NC	20	
Beryllium	ND	0.0040	mg/L		ND		NC	20	
Cadmium	ND	0.0040	mg/L		ND		NC	20	
Calcium	52.4	0.15	mg/L		52.4		0.0173	20	
Chromium	ND	0.010	mg/L		ND		NC	20	
Cobalt	ND	0.050	mg/L		ND		NC	20	
Copper	ND	0.010	mg/L		ND		NC	20	
Iron	ND	0.050	mg/L		ND		NC	20	
Lead	ND	0.010	mg/L		ND		NC	20	
Magnesium	12.6	0.15	mg/L		12.6		0.302	20	
Manganese	0.0188	0.010	mg/L		0.0184		2.05	20	
Nickel	ND	0.010	mg/L		ND		NC	20	
Potassium	ND	2.0	mg/L		ND		NC	20	
Selenium	ND	0.050	mg/L		ND		NC	20	
Silver	ND	0.0050	mg/L		ND		NC	20	
Sodium	17.2	2.0	mg/L		17.1		0.670	20	
Thallium	ND	0.050	mg/L		ND		NC	20	
Vanadium	ND	0.010	mg/L		ND		NC	20	
Zinc	ND	0.020	mg/L		ND		NC	20	

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 B216185 - SW-846 3005A

Matrix Spike (B216185-MS1)		Source: 18J1239-01		Prepared: 11/01/18 Analyzed: 11/05/18						
Aluminum	0.462	0.050	mg/L	0.500	ND	92.4	75-125			
Antimony	0.542	0.050	mg/L	0.500	ND	108	75-125			
Arsenic	0.530	0.010	mg/L	0.500	ND	106	75-125			
Barium	0.533	0.050	mg/L	0.500	0.0206	102	75-125			
Beryllium	0.526	0.0040	mg/L	0.500	ND	105	75-125			
Cadmium	0.511	0.0040	mg/L	0.500	ND	102	75-125			
Calcium	55.6	0.15	mg/L	4.00	52.4	81.0	75-125			
Chromium	0.507	0.010	mg/L	0.500	ND	101	75-125			
Cobalt	0.505	0.050	mg/L	0.500	ND	101	75-125			
Copper	0.983	0.010	mg/L	1.00	ND	98.3	75-125			
Iron	4.09	0.050	mg/L	4.00	ND	102	75-125			
Lead	0.537	0.010	mg/L	0.500	ND	107	75-125			
Magnesium	16.5	0.15	mg/L	4.00	12.6	97.0	75-125			
Manganese	0.509	0.010	mg/L	0.500	0.0184	98.0	75-125			
Nickel	0.498	0.010	mg/L	0.500	ND	99.5	75-125			
Potassium	4.95	2.0	mg/L	4.00	0.953	99.9	75-125			
Selenium	0.536	0.050	mg/L	0.500	ND	107	75-125			
Silver	0.462	0.0050	mg/L	0.500	ND	92.4	75-125			
Sodium	21.2	2.0	mg/L	4.00	17.1	103	75-125			
Thallium	0.507	0.050	mg/L	0.500	ND	101	75-125			
Vanadium	0.509	0.010	mg/L	0.500	ND	102	75-125			
Zinc	1.00	0.020	mg/L	1.00	ND	100	75-125			

Batch B216276 - SW-846 7470A Prep

Blank (B216276-BLK1)		Prepared: 11/02/18 Analyzed: 11/05/18								
Mercury	ND	0.00010	mg/L							
LCS (B216276-BS1)		Prepared: 11/02/18 Analyzed: 11/05/18								
Mercury	0.00193	0.00010	mg/L	0.00200		96.3	80-120			
LCS Dup (B216276-BSD1)		Prepared: 11/02/18 Analyzed: 11/05/18								
Mercury	0.00196	0.00010	mg/L	0.00200		97.9	80-120	1.61	20	

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

Batch B215852 - SM21-22 2540D
Blank (B215852-BLK1)

Prepared & Analyzed: 10/29/18

Total Suspended Solids	ND	2.5	mg/L							

LCS (B215852-BS1)

Prepared & Analyzed: 10/29/18

Total Suspended Solids	146	10	mg/L	200		73.0	64.3-117			

Batch B215960 - SM21-22 2540D
Blank (B215960-BLK1)

Prepared & Analyzed: 10/30/18

Total Suspended Solids	ND	2.5	mg/L							

LCS (B215960-BS1)

Prepared & Analyzed: 10/30/18

Total Suspended Solids	170	10	mg/L	200		85.0	64.3-117			

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 (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes

Batch B215850 - SM21-22 2540C
Blank (B215850-BLK1)

Prepared & Analyzed: 10/29/18

Total Dissolved Solids ND 10 mg/L

LCS (B215850-BS1)

Prepared & Analyzed: 10/29/18

Total Dissolved Solids 230 10 mg/L 293 79.2 61.4-114

Duplicate (B215850-DUP1)
Source: 18J1239-03

Prepared & Analyzed: 10/29/18

Total Dissolved Solids 120 10 mg/L 110 7.14 * 5 R-02

Batch B216051 - SM21-22 2540C
Blank (B216051-BLK1)

Prepared & Analyzed: 10/31/18

Total Dissolved Solids ND 10 mg/L

LCS (B216051-BS1)

Prepared & Analyzed: 10/31/18

Total Dissolved Solids 260 10 mg/L 293 90.1 61.4-114

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

MW-6

Lab Sample ID: 18J1239-05 Date(s) Analyzed 11/04/2018 11/04/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1221	1	0.000	0.000	0.000	0.51	
	2	0.000	0.000	0.000	0.58	12.8

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B215998-BS1 Date(s) Analyzed 10/31/2018 10/31/2018

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	0.54	
	2	0.000	0.000	0.000	0.57	5.4
Aroclor-1260	1	0.000	0.000	0.000	0.51	
	2	0.000	0.000	0.000	0.55	5.6

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B215998-BSD1 Date(s) Analyzed 10/31/2018 10/31/2018

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	0.57	
	2	0.000	0.000	0.000	0.61	6.8
Aroclor-1260	1	0.000	0.000	0.000	0.54	
	2	0.000	0.000	0.000	0.58	7.1

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B216085-BS1 Date(s) Analyzed 11/03/2018 11/03/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

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	0.43	
	2	0.000	0.000	0.000	0.44	2.3
Aroclor-1260	1	0.000	0.000	0.000	0.44	
	2	0.000	0.000	0.000	0.45	2.3

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B216085-BSD1 Date(s) Analyzed 11/03/2018 11/03/2018
Instrument ID (1): ECD5 Instrument ID (2): ECD5
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	0.42	
	2	0.000	0.000	0.000	0.43	2.4
Aroclor-1260	1	0.000	0.000	0.000	0.44	
	2	0.000	0.000	0.000	0.46	2.2

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.
H-15	Sampling time not provided on Chain of Custody.
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.
R-02	Duplicate RPD is outside of control limits. Outlier can be attributed to sample non-homogeneity encountered during sample prep.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-36	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SM21-22 2540C in Water	
Total Dissolved Solids	CT,MA,NH,NY,RI,NC,ME,VA
SM21-22 2540D in Water	
Total Suspended Solids	CT,MA,NH,NY,RI,NC,ME,VA
SW-846 6010D in Water	
Aluminum	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,RI,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Calcium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Cobalt	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Magnesium	CT,NH,NY,ME,VA,NC
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Potassium	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Sodium	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Water	
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
SW-846 8260C in Water	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Cyclohexane	NY
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
1,4-Dioxane	NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
Methyl Acetate	NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Water</i>	
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY
Xylenes (total)	NY

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019



ALB 1851239
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com
CHAIN OF CUSTODY RECORD (New York)

39 Spruce Street
East Longmeadow, MA 01028

Company Name: ARCADIS		Requested Turnaround Time: 7-Day ☐ 10-Day ☐		Due Date: SD		# of Containers: 4	
Address: 855 Route 146 Suite 210, Wintonlock, NY 12065		Rush Approval Required: ☐		Rush Approval Required: ☐		Preservation Code: 1	
Phone: 640-248-4208		1-Day ☐ 3-Day ☐ 4-Day ☐		2-Day ☐ 4-Day ☐		Container Code: 3	
Project Name: FOR TOWNARD		Data Delivery: PDF ☒ EXCEL ☒		Other: ☐		Dissolved Metals Samples: ☐ Field Filtered ☐ Lab to Filter	
Project Location: FORT GREEN, NY		CLP Like Data Pkg Required: ☐		Other: ☐		Orthophosphate Samples: ☐ Field Filtered ☐ Lab to Filter	
Project Number: 00266434.0000		Email To: Jasmine Mullins @ arcadis.com		Fax To #: arcadis.com		1 Matrix Codes: GW = Ground Water	
Project Manager: ANITA VITOLINS		Beginning Date/Time: 10/24/18 1340		Ending Date/Time: 10/24/18 1346		VW = Waste Water	
Con-Test Quote Name/Number: JASMINNE MULLINS		Matrix Code: GW		Grab Code: GW		DW = Drinking Water	
Invoice Recipient: JASMINNE MULLINS		Composite: ☒		Grab: ☒		A = Air	
Sampled By: J. MULLINS / N. KLOPPER		Conc Code: GW		Conc Code: GW		S = Soil	
Con-Test Work Order #		Beginning Date/Time		Ending Date/Time		SL = Sludge	
11 MW-7		10/24/18		1340		SOL = Solid	
12 MW-9		10/24/18		1346		O = Other (please define)	
13 TRIP BLANK		10/24/18		---		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 ☐	

Comments: **4 COOLERS**

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) Jasmine Mullins	Date/Time: 10/24/18 1400	Program & Regulatory Information: ☒ NY TOGS ☐ NY CP-51	Enhanced Data Package: ☐ Enhanced Data Package ☒ NYSDEC EQuIS EDD
Received by: (signature) [Signature]	Date/Time: 10-25-18 8:30 AM	NY Sewer Discharge: ☐ Part 360 GW (Landfill): ☐ NY Restricted Use: ☐ NY Unrestricted Use: ☐ NY Part 375: ☐	EQuIS (Standard) EDD: ☐ NY Regulatory EDD: ☐ NY Regs Hits-Only EDD: ☐
Relinquished by: (signature) [Signature]	Date/Time: 10-25-18 1400	Other: ☐	Other: ☐
Received by: (signature) [Signature]	Date/Time: 10/25/18 1710	Project Entity: ☐ Government ☐ Federal ☐ City	Other: ☐ Chromatogram ☐ AIHA-LAP, LLC
Relinquished by: (signature) [Signature]	Date/Time: 10/25/18 1710	Municipality: ☐ 21 J ☐ Brownfield ☐ MBTA ☐	Other: ☐

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 Acadus

Received By LR Date 10-25-18 Time 17:10

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 # 557 Actual Temp - 2.8, 3.7, 4.8, 4.9
By Blank # Actual Temp -

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished? T Does Chain Agree With Samples? F

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 Client T Analysis T Sampler Name T
pertinent Information? Project T 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? F

Proper Media/Containers Used? T

Were trip blanks received? T

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? T

Acid 1 pH 2 Base

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.	24	1 Liter Plastic		16 oz Amb.
HCL-	38	500 mL Amb.		500 mL Plastic	12	8oz Amb/Clear
Meoh-		250 mL Amb.	12	250 mL Plastic	12	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		

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:

Sample ID MW-6C not received. Sample MW-6A matched time+date
not on chain

November 6, 2018

Jasmine Mullins
Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065

Project Location: Fort Edward, NY
Client Job Number:
Project Number: 00266434.0000
Laboratory Work Order Number: 18J1316

Enclosed are results of analyses for samples received by the laboratory on October 25, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron L. Benoit", with a long horizontal line extending to the right.

Aaron L. Benoit
Project Manager

Table of Contents

Sample Summary	3
Case Narrative	4
Sample Results	5
18J1316-01	5
18J1316-02	9
Sample Preparation Information	11
QC Data	12
Volatile Organic Compounds by GC/MS	12
B216144	12
Polychlorinated Biphenyls By GC/ECD	16
B216085	16
Metals Analyses (Total)	17
B216185	17
B216276	18
Dual Column RPD Report	19
Flag/Qualifier Summary	21
Certifications	22
Chain of Custody/Sample Receipt	25

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Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065
ATTN: Jasmine Mullins

REPORT DATE: 11/6/2018

PURCHASE ORDER NUMBER: 00266434.0000

PROJECT NUMBER: 00266434.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18J1316

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

PROJECT LOCATION: Fort Edward, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-11	18J1316-01	Ground Water		SW-846 6010D	
				SW-846 7470A	
				SW-846 8082A	
				SW-846 8260C	
Trip Blank	18J1316-02	Trip Blank Water		SW-846 8260C	

CASE NARRATIVE SUMMARY

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

SW-846 8260C**Qualifications:****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:**Methyl Acetate**

B216144-BS1, B216144-BSD1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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

B216144-BS1, B216144-BSD1, S028971-CCV1

V-36

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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

B216144-BS1, B216144-BSD1, S028971-CCV1

Carbon Disulfide

B216144-BS1, B216144-BSD1, S028971-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.



Tod E. Kopyscinski
Laboratory Director

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1316

Date Received: 10/25/2018

Field Sample #: MW-11

Sampled: 10/25/2018 08:00

Sample ID: 18J1316-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
Methyl Acetate	ND	2.0	0.42	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD

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Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1316

Date Received: 10/25/2018

Field Sample #: MW-11

Sampled: 10/25/2018 08:00

Sample ID: 18J1316-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	11/1/18	11/2/18 8:57	LBD
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	102		70-130				11/2/18 8:57			
Toluene-d8	101		70-130				11/2/18 8:57			
4-Bromofluorobenzene	103		70-130				11/2/18 8:57			

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Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1316

Date Received: 10/25/2018

Field Sample #: MW-11

Sampled: 10/25/2018 08:00

Sample ID: 18J1316-01

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/31/18	11/3/18 16:07	WAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/31/18	11/3/18 16:07	WAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/31/18	11/3/18 16:07	WAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/31/18	11/3/18 16:07	WAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/31/18	11/3/18 16:07	WAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/31/18	11/3/18 16:07	WAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/31/18	11/3/18 16:07	WAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/31/18	11/3/18 16:07	WAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/31/18	11/3/18 16:07	WAL
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	71.5	30-150						11/3/18 16:07	
Decachlorobiphenyl [2]	66.3	30-150						11/3/18 16:07	
Tetrachloro-m-xylene [1]	75.1	30-150						11/3/18 16:07	
Tetrachloro-m-xylene [2]	75.1	30-150						11/3/18 16:07	

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Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1316

Date Received: 10/25/2018

Field Sample #: MW-11

Sampled: 10/25/2018 08:00

Sample ID: 18J1316-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	260	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 15:57	QNW
Antimony	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 15:57	QNW
Arsenic	0.059	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 15:57	QNW
Barium	2.7	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 15:57	QNW
Beryllium	0.012	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 15:57	QNW
Cadmium	0.020	0.0040	mg/L	1		SW-846 6010D	11/1/18	11/5/18 15:57	QNW
Calcium	100	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 15:57	QNW
Chromium	0.41	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 15:57	QNW
Cobalt	0.16	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 15:57	QNW
Copper	0.63	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 15:57	QNW
Iron	370	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 15:57	QNW
Lead	0.31	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 15:57	QNW
Magnesium	100	0.15	mg/L	1		SW-846 6010D	11/1/18	11/5/18 15:57	QNW
Manganese	6.4	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 15:57	QNW
Mercury	0.00080	0.00010	mg/L	1		SW-846 7470A	11/2/18	11/5/18 9:47	EJB
Nickel	0.40	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 15:57	QNW
Potassium	41	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 15:57	QNW
Selenium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 15:57	QNW
Silver	ND	0.0050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 15:57	QNW
Sodium	59	2.0	mg/L	1		SW-846 6010D	11/1/18	11/5/18 15:57	QNW
Thallium	ND	0.050	mg/L	1		SW-846 6010D	11/1/18	11/5/18 15:57	QNW
Vanadium	0.43	0.010	mg/L	1		SW-846 6010D	11/1/18	11/5/18 15:57	QNW
Zinc	0.91	0.020	mg/L	1		SW-846 6010D	11/1/18	11/5/18 15:57	QNW

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Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1316

Date Received: 10/25/2018

Field Sample #: Trip Blank

Sampled: 10/25/2018 00:00

Sample ID: 18J1316-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	9.7	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
Benzene	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
Bromochloromethane	ND	1.0	0.22	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
Bromodichloromethane	ND	0.50	0.30	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
Bromoform	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
Bromomethane	ND	2.0	0.94	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
2-Butanone (MEK)	ND	20	2.4	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
Carbon Disulfide	ND	4.0	1.0	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
Carbon Tetrachloride	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
Chlorobenzene	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
Chlorodibromomethane	ND	0.50	0.10	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
Chloroethane	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
Cyclohexane	ND	5.0	0.25	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.37	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
1,2-Dibromoethane (EDB)	ND	0.50	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
1,3-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
1,4-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.28	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
1,1-Dichloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
1,2-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
1,1-Dichloroethylene	ND	1.0	0.21	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
trans-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
1,2-Dichloropropane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
cis-1,3-Dichloropropene	ND	0.50	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
trans-1,3-Dichloropropene	ND	0.50	0.11	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
1,4-Dioxane	ND	100	26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
Ethylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
2-Hexanone (MBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
Isopropylbenzene (Cumene)	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
Methyl Acetate	ND	2.0	0.42	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.090	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
Methyl Cyclohexane	ND	1.0	0.63	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
Methylene Chloride	ND	5.0	3.2	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
4-Methyl-2-pentanone (MIBK)	ND	10	1.5	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
1,1,1,2-Tetrachloroethane	ND	1.0	0.12	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
Tetrachloroethylene	ND	1.0	0.27	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
Toluene	ND	1.0	0.17	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
1,2,3-Trichlorobenzene	ND	5.0	0.14	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
1,2,4-Trichlorobenzene	ND	2.0	0.19	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
1,1,1-Trichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
1,1,2-Trichloroethane	ND	1.0	0.24	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF

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

Project Location: Fort Edward, NY

Sample Description:

Work Order: 18J1316

Date Received: 10/25/2018

Field Sample #: Trip Blank

Sampled: 10/25/2018 00:00

Sample ID: 18J1316-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Trichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.20	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
Vinyl Chloride	ND	2.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
m+p Xylene	ND	2.0	0.26	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
o-Xylene	ND	1.0	0.13	µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
Xylenes (total)	ND	3.0		µg/L	1		SW-846 8260C	11/1/18	11/2/18 2:47	BRF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	102		70-130				11/2/18 2:47			
Toluene-d8	101		70-130				11/2/18 2:47			
4-Bromofluorobenzene	103		70-130				11/2/18 2:47			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method: SW-846 3005A-SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1316-01 [MW-11]	B216185	50.0	50.0	11/01/18

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1316-01 [MW-11]	B216276	6.00	6.00	11/02/18

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1316-01 [MW-11]	B216085	550	5.50	10/31/18

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1316-01 [MW-11]	B216144	5	5.00	11/01/18
18J1316-02 [Trip Blank]	B216144	5	5.00	11/01/18

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 B216144 - SW-846 5030B										
Blank (B216144-BLK1)				Prepared: 11/01/18 Analyzed: 11/02/18						
Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	3.0	µg/L							

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 B216144 - SW-846 5030B										
Blank (B216144-BLK1)				Prepared: 11/01/18 Analyzed: 11/02/18						
Surrogate: 1,2-Dichloroethane-d4	25.8		µg/L	25.0		103	70-130			
Surrogate: Toluene-d8	25.1		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	25.7		µg/L	25.0		103	70-130			
LCS (B216144-BS1)				Prepared & Analyzed: 11/01/18						
Acetone	113	50	µg/L	100		113	70-160			V-36 †
Benzene	10.7	1.0	µg/L	10.0		107	70-130			
Bromochloromethane	12.2	1.0	µg/L	10.0		122	70-130			
Bromodichloromethane	10.6	0.50	µg/L	10.0		106	70-130			
Bromoform	9.83	1.0	µg/L	10.0		98.3	70-130			
Bromomethane	7.24	2.0	µg/L	10.0		72.4	40-160			V-20 †
2-Butanone (MEK)	104	20	µg/L	100		104	40-160			†
Carbon Disulfide	12.0	4.0	µg/L	10.0		120	70-130			V-36
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108	70-130			
Chlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
Chlorodibromomethane	11.1	0.50	µg/L	10.0		111	70-130			
Chloroethane	9.15	2.0	µg/L	10.0		91.5	70-130			
Cyclohexane	10.4	5.0	µg/L	10.0		104	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.52	5.0	µg/L	10.0		95.2	70-130			
1,2-Dibromoethane (EDB)	11.1	0.50	µg/L	10.0		111	70-130			
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
Dichlorodifluoromethane (Freon 12)	8.34	2.0	µg/L	10.0		83.4	40-160			†
1,1-Dichloroethane	10.5	1.0	µg/L	10.0		105	70-130			
1,2-Dichloroethane	11.1	1.0	µg/L	10.0		111	70-130			
1,1-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
cis-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130			
trans-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
1,2-Dichloropropane	10.5	1.0	µg/L	10.0		105	70-130			
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130			
trans-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130			
1,4-Dioxane	121	50	µg/L	100		121	40-130			†
Ethylbenzene	10.0	1.0	µg/L	10.0		100	70-130			
2-Hexanone (MBK)	92.3	10	µg/L	100		92.3	70-160			†
Isopropylbenzene (Cumene)	10.3	1.0	µg/L	10.0		103	70-130			
Methyl Acetate	15.5	1.0	µg/L	10.0		155 *	70-130			L-02
Methyl tert-Butyl Ether (MTBE)	10.7	1.0	µg/L	10.0		107	70-130			
Methyl Cyclohexane	9.95	1.0	µg/L	10.0		99.5	70-130			
Methylene Chloride	9.94	5.0	µg/L	10.0		99.4	70-130			
4-Methyl-2-pentanone (MIBK)	92.9	10	µg/L	100		92.9	70-160			†
Styrene	10.1	1.0	µg/L	10.0		101	70-130			
1,1,1,2-Tetrachloroethane	10.2	1.0	µg/L	10.0		102	70-130			
Tetrachloroethylene	10.7	1.0	µg/L	10.0		107	70-130			
Toluene	10.4	1.0	µg/L	10.0		104	70-130			
1,2,3-Trichlorobenzene	10.6	5.0	µg/L	10.0		106	70-130			
1,2,4-Trichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
1,1,1-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
Trichloroethylene	11.0	1.0	µg/L	10.0		110	70-130			
Trichlorofluoromethane (Freon 11)	10.4	2.0	µg/L	10.0		104	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	1.0	µg/L	10.0		110	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 B216144 - SW-846 5030B										
LCS (B216144-BS1)										
Prepared & Analyzed: 11/01/18										
Vinyl Chloride	8.97	2.0	µg/L	10.0		89.7	40-160			†
m+p Xylene	20.0	2.0	µg/L	20.0		100	70-130			
o-Xylene	10.2	1.0	µg/L	10.0		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	25.6		µg/L	25.0		102	70-130			
Surrogate: Toluene-d8	25.3		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.8		µg/L	25.0		103	70-130			
LCS Dup (B216144-BSD1)										
Prepared: 11/01/18 Analyzed: 11/02/18										
Acetone	104	50	µg/L	100		104	70-160	8.55	25	V-36 †
Benzene	10.0	1.0	µg/L	10.0		100	70-130	6.17	25	
Bromochloromethane	11.5	1.0	µg/L	10.0		115	70-130	5.40	25	
Bromodichloromethane	10.3	0.50	µg/L	10.0		103	70-130	2.49	25	
Bromoform	9.75	1.0	µg/L	10.0		97.5	70-130	0.817	25	
Bromomethane	8.46	2.0	µg/L	10.0		84.6	40-160	15.5	25	V-20 †
2-Butanone (MEK)	96.1	20	µg/L	100		96.1	40-160	7.52	25	†
Carbon Disulfide	11.0	4.0	µg/L	10.0		110	70-130	8.60	25	V-36
Carbon Tetrachloride	10.1	5.0	µg/L	10.0		101	70-130	6.59	25	
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	2.43	25	
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107	70-130	3.57	25	
Chloroethane	8.71	2.0	µg/L	10.0		87.1	70-130	4.93	25	
Cyclohexane	9.46	5.0	µg/L	10.0		94.6	70-130	9.27	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.49	5.0	µg/L	10.0		94.9	70-130	0.316	25	
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130	2.28	25	
1,2-Dichlorobenzene	9.56	1.0	µg/L	10.0		95.6	70-130	5.69	25	
1,3-Dichlorobenzene	9.73	1.0	µg/L	10.0		97.3	70-130	5.01	25	
1,4-Dichlorobenzene	9.63	1.0	µg/L	10.0		96.3	70-130	4.76	25	
Dichlorodifluoromethane (Freon 12)	7.29	2.0	µg/L	10.0		72.9	40-160	13.4	25	†
1,1-Dichloroethane	10.0	1.0	µg/L	10.0		100	70-130	4.76	25	
1,2-Dichloroethane	10.7	1.0	µg/L	10.0		107	70-130	3.49	25	
1,1-Dichloroethylene	9.42	1.0	µg/L	10.0		94.2	70-130	6.87	25	
cis-1,2-Dichloroethylene	9.48	1.0	µg/L	10.0		94.8	70-130	5.84	25	
trans-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130	5.16	25	
1,2-Dichloropropane	10.0	1.0	µg/L	10.0		100	70-130	4.20	25	
cis-1,3-Dichloropropene	9.81	0.50	µg/L	10.0		98.1	70-130	3.31	25	
trans-1,3-Dichloropropene	9.99	0.50	µg/L	10.0		99.9	70-130	3.54	25	
1,4-Dioxane	118	50	µg/L	100		118	40-130	2.61	50	† ‡
Ethylbenzene	9.53	1.0	µg/L	10.0		95.3	70-130	4.81	25	
2-Hexanone (MBK)	93.4	10	µg/L	100		93.4	70-160	1.20	25	†
Isopropylbenzene (Cumene)	9.74	1.0	µg/L	10.0		97.4	70-130	5.30	25	
Methyl Acetate	15.5	1.0	µg/L	10.0		155	* 70-130	0.0645	25	L-02
Methyl tert-Butyl Ether (MTBE)	10.4	1.0	µg/L	10.0		104	70-130	2.64	25	
Methyl Cyclohexane	8.97	1.0	µg/L	10.0		89.7	70-130	10.4	25	
Methylene Chloride	9.42	5.0	µg/L	10.0		94.2	70-130	5.37	25	
4-Methyl-2-pentanone (MIBK)	94.6	10	µg/L	100		94.6	70-160	1.76	25	†
Styrene	9.56	1.0	µg/L	10.0		95.6	70-130	5.20	25	
1,1,1,2-Tetrachloroethane	10.1	1.0	µg/L	10.0		101	70-130	0.492	25	
Tetrachloroethylene	10.2	1.0	µg/L	10.0		102	70-130	5.00	25	
Toluene	9.98	1.0	µg/L	10.0		99.8	70-130	4.12	25	
1,2,3-Trichlorobenzene	10.2	5.0	µg/L	10.0		102	70-130	4.04	25	
1,2,4-Trichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	3.53	25	
1,1,1-Trichloroethane	9.92	1.0	µg/L	10.0		99.2	70-130	8.68	25	
1,1,2-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130	5.73	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 B216144 - SW-846 5030B
LCS Dup (B216144-BSD1)

Prepared: 11/01/18 Analyzed: 11/02/18

Trichloroethylene	10.3	1.0	µg/L	10.0		103	70-130	6.67	25	
Trichlorofluoromethane (Freon 11)	9.55	2.0	µg/L	10.0		95.5	70-130	8.71	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.38	1.0	µg/L	10.0		93.8	70-130	15.6	25	
Vinyl Chloride	8.37	2.0	µg/L	10.0		83.7	40-160	6.92	25	†
m+p Xylene	19.3	2.0	µg/L	20.0		96.6	70-130	3.51	25	
o-Xylene	9.66	1.0	µg/L	10.0		96.6	70-130	5.73	25	
Surrogate: 1,2-Dichloroethane-d4	24.9		µg/L	25.0		99.6	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.4		µg/L	25.0		102	70-130			

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

QUALITY CONTROL
Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch B216085 - SW-846 3510C
Blank (B216085-BLK1)

Prepared: 10/31/18 Analyzed: 11/03/18

Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	1.65		µg/L	2.00		82.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.55		µg/L	2.00		77.6	30-150			
Surrogate: Tetrachloro-m-xylene	1.40		µg/L	2.00		70.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.43		µg/L	2.00		71.5	30-150			

LCS (B216085-BS1)

Prepared: 10/31/18 Analyzed: 11/03/18

Aroclor-1016	0.43	0.20	µg/L	0.500		85.9	40-140			
Aroclor-1016 [2C]	0.44	0.20	µg/L	0.500		87.8	40-140			
Aroclor-1260	0.44	0.20	µg/L	0.500		87.6	40-140			
Aroclor-1260 [2C]	0.45	0.20	µg/L	0.500		90.1	40-140			
Surrogate: Decachlorobiphenyl	0.638		µg/L	2.00		31.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.612		µg/L	2.00		30.6	30-150			
Surrogate: Tetrachloro-m-xylene	1.38		µg/L	2.00		69.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.40		µg/L	2.00		70.0	30-150			

LCS Dup (B216085-BSD1)

Prepared: 10/31/18 Analyzed: 11/03/18

Aroclor-1016	0.42	0.20	µg/L	0.500		84.4	40-140	1.77	20	
Aroclor-1016 [2C]	0.43	0.20	µg/L	0.500		86.6	40-140	1.43	20	
Aroclor-1260	0.44	0.20	µg/L	0.500		88.9	40-140	1.44	20	
Aroclor-1260 [2C]	0.46	0.20	µg/L	0.500		91.6	40-140	1.61	20	
Surrogate: Decachlorobiphenyl	1.68		µg/L	2.00		84.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.56		µg/L	2.00		78.1	30-150			
Surrogate: Tetrachloro-m-xylene	1.40		µg/L	2.00		70.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.41		µg/L	2.00		70.7	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 B216185 - SW-846 3005A
Blank (B216185-BLK1)

Prepared: 11/01/18 Analyzed: 11/05/18

Aluminum	ND	0.050	mg/L
Antimony	ND	0.050	mg/L
Arsenic	ND	0.010	mg/L
Barium	ND	0.050	mg/L
Beryllium	ND	0.0040	mg/L
Cadmium	ND	0.0040	mg/L
Calcium	ND	0.15	mg/L
Chromium	ND	0.010	mg/L
Cobalt	ND	0.050	mg/L
Copper	ND	0.010	mg/L
Iron	ND	0.050	mg/L
Lead	ND	0.010	mg/L
Magnesium	ND	0.15	mg/L
Manganese	ND	0.010	mg/L
Nickel	ND	0.010	mg/L
Potassium	ND	2.0	mg/L
Selenium	ND	0.050	mg/L
Silver	ND	0.0050	mg/L
Sodium	ND	2.0	mg/L
Thallium	ND	0.050	mg/L
Vanadium	ND	0.010	mg/L
Zinc	ND	0.020	mg/L

LCS (B216185-BS1)

Prepared: 11/01/18 Analyzed: 11/05/18

Aluminum	0.463	0.050	mg/L	0.500	92.6	80-120
Antimony	0.536	0.050	mg/L	0.500	107	80-120
Arsenic	0.517	0.010	mg/L	0.500	103	80-120
Barium	0.509	0.050	mg/L	0.500	102	80-120
Beryllium	0.522	0.0040	mg/L	0.500	104	80-120
Cadmium	0.496	0.0040	mg/L	0.500	99.3	80-120
Calcium	4.23	0.15	mg/L	4.00	106	80-120
Chromium	0.496	0.010	mg/L	0.500	99.3	80-120
Cobalt	0.516	0.050	mg/L	0.500	103	80-120
Copper	0.971	0.010	mg/L	1.00	97.1	80-120
Iron	4.07	0.050	mg/L	4.00	102	80-120
Lead	0.541	0.010	mg/L	0.500	108	80-120
Magnesium	4.04	0.15	mg/L	4.00	101	80-120
Manganese	0.489	0.010	mg/L	0.500	97.9	80-120
Nickel	0.510	0.010	mg/L	0.500	102	80-120
Potassium	3.88	2.0	mg/L	4.00	97.0	80-120
Selenium	0.527	0.050	mg/L	0.500	105	80-120
Silver	0.515	0.0050	mg/L	0.500	103	80-120
Sodium	4.21	2.0	mg/L	4.00	105	80-120
Thallium	0.502	0.050	mg/L	0.500	100	80-120
Vanadium	0.492	0.010	mg/L	0.500	98.4	80-120
Zinc	0.998	0.020	mg/L	1.00	99.8	80-120

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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 B216185 - SW-846 3005A
LCS Dup (B216185-BSD1)

Prepared: 11/01/18 Analyzed: 11/05/18

Aluminum	0.459	0.050	mg/L	0.500		91.9	80-120	0.720	20	
Antimony	0.530	0.050	mg/L	0.500		106	80-120	1.04	20	
Arsenic	0.510	0.010	mg/L	0.500		102	80-120	1.47	20	
Barium	0.512	0.050	mg/L	0.500		102	80-120	0.519	20	
Beryllium	0.515	0.0040	mg/L	0.500		103	80-120	1.43	20	
Cadmium	0.499	0.0040	mg/L	0.500		99.9	80-120	0.634	20	
Calcium	4.14	0.15	mg/L	4.00		103	80-120	2.06	20	
Chromium	0.499	0.010	mg/L	0.500		99.7	80-120	0.479	20	
Cobalt	0.519	0.050	mg/L	0.500		104	80-120	0.626	20	
Copper	0.983	0.010	mg/L	1.00		98.3	80-120	1.20	20	
Iron	4.01	0.050	mg/L	4.00		100	80-120	1.46	20	
Lead	0.536	0.010	mg/L	0.500		107	80-120	0.829	20	
Magnesium	4.00	0.15	mg/L	4.00		99.9	80-120	1.22	20	
Manganese	0.483	0.010	mg/L	0.500		96.7	80-120	1.25	20	
Nickel	0.512	0.010	mg/L	0.500		102	80-120	0.449	20	
Potassium	3.84	2.0	mg/L	4.00		96.1	80-120	0.994	20	
Selenium	0.523	0.050	mg/L	0.500		105	80-120	0.666	20	
Silver	0.518	0.0050	mg/L	0.500		104	80-120	0.704	20	
Sodium	4.16	2.0	mg/L	4.00		104	80-120	1.16	20	
Thallium	0.498	0.050	mg/L	0.500		99.6	80-120	0.888	20	
Vanadium	0.497	0.010	mg/L	0.500		99.3	80-120	0.909	20	
Zinc	0.999	0.020	mg/L	1.00		99.9	80-120	0.0138	20	

Batch B216276 - SW-846 7470A Prep
Blank (B216276-BLK1)

Prepared: 11/02/18 Analyzed: 11/05/18

Mercury	ND	0.00010	mg/L							

LCS (B216276-BS1)

Prepared: 11/02/18 Analyzed: 11/05/18

Mercury	0.00193	0.00010	mg/L	0.00200		96.3	80-120			

LCS Dup (B216276-BSD1)

Prepared: 11/02/18 Analyzed: 11/05/18

Mercury	0.00196	0.00010	mg/L	0.00200		97.9	80-120	1.61	20	

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B216085-BS1 Date(s) Analyzed 11/03/2018 11/03/2018
Instrument ID (1): ECD5 Instrument ID (2): ECD5
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	0.43	
	2	0.000	0.000	0.000	0.44	2.3
Aroclor-1260	1	0.000	0.000	0.000	0.44	
	2	0.000	0.000	0.000	0.45	2.3

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

Lab Sample ID: B216085-BSD1 Date(s) Analyzed 11/03/2018 11/03/2018
Instrument ID (1): ECD5 Instrument ID (2): ECD5
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	0.42	
	2	0.000	0.000	0.000	0.43	2.4
Aroclor-1260	1	0.000	0.000	0.000	0.44	
	2	0.000	0.000	0.000	0.46	2.2

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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.
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.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-36	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 6010D in Water</i>	
Aluminum	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,RI,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Calcium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Cobalt	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Magnesium	CT,NH,NY,ME,VA,NC
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Potassium	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Sodium	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
<i>SW-846 7470A in Water</i>	
Mercury	CT,NH,NY,NC,ME,VA
<i>SW-846 8082A in Water</i>	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
<i>SW-846 8260C in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Water</i>	
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Cyclohexane	NY
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
1,4-Dioxane	NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
Methyl Acetate	NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Water</i>	
o-Xylene	CT,ME,NH,VA,NY
Xylenes (total)	NY

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

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 Accedix

Received By LR Date 10-26-18 Time 1500

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 # 522 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? T On COC? X 10.26 T

Do all samples have the proper pH? Acid T pH 2 Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	1	1 Liter Plastic		16 oz Amb.	
HCL-	5	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	1	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			

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			

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