

Periodic Review Report

73-79 West Huron Street Site
Buffalo, New York
BCP Site No. C915282

May 2019

0441-018-001

Prepared For:

Emerson Huron, LLC



Prepared By:



PERIODIC REVIEW REPORT

**73-79 W. HURON ST. SITE
BCP SITE No. C915282**

**73-79 W. HURON ST.
BUFFALO, NEW YORK**

May 2019

B0441-018-001

Prepared for:

Emerson Huron, LLC

Prepared By:



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PERIODIC REVIEW REPORT

73-79 W. Huron St. (C915282)

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1.0 INTRODUCTION

Benchmark Environmental Engineering and Science, PLLC (Benchmark) has prepared this Periodic Review Report (PRR), on behalf of Emerson Huron, LLC to summarize the post-remedial status of New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) 73-79 West Huron Street Site (BCP No. C915282), located in the City of Buffalo, Erie County, New York (hereinafter referred to as the “Site”) (see Figure 1).

This PRR has been prepared in accordance with NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation (Ref 1). Appendix A includes the Institutional and Engineering Control (IC/EC) Certification Forms completed based on the Site inspection performed on May 22, 2019.

This PRR and associated certifications have been completed to document post-remedial activities at the Site for the December 28, 2017 to April 28, 2019 PRR reporting period.

1.1 Site Background

The Site is approximately 0.6-acres in size and comprised of three separate parcels identified as 73-79 West Huron Street in the City of Buffalo, Erie County, New York. The three parcels include Erie County Tax Map SBLs #111.37-4-10 (73 West Huron), #111.37-4-11 (77 West Huron), and #111.37-4-17.2 (79 West Huron) (see Figures 1 and 2). The subject site is located in a commercial district in the City of Buffalo and is bound to the north by another paved parking lot, to the south by West Huron Street, and to the east by a vacant building and parking lot. The commercial properties to the west include an auto repair shop (former Sunoco), restaurant, copy and document reproduction center, a sports bar and grill, and two office buildings. The Site is improved with a six-story brick building (73 West Huron) and adjacent parking lot (77 and 79 West Huron) (see Figure 2).

The on-site building was constructed around 1892-94 as a three bay Romanesque-Style commercial building and horse stable with a flat roof by C.W. Miller Livery. The building was originally constructed with a steel frame used as structural support for the first floor with a supporting truss to suspend the remaining floors. The building was modified in 1924 with ramps to accommodate motor vehicle parking. The exterior of the building is

constructed of brick and large stone blocks and consists of six floors, a roof top mechanical room, and subterranean basement. All six floors were used including: a basement primarily for parking, mechanicals, and utilities (i.e., boiler heating and electrical); floors one through three were used primarily as parking with offices in the front portion of the second floor and a maintenance storage area on the third; floors four through six consisted of storage areas; and the roof top housed two mechanical elevator rooms and two water storage tanks. An automotive fueling station with underground storage tanks (USTs) once operated in the parking lot west of the building; however, on-site excavation confirmed that any associated tanks have since been removed. Historic operations impacted the on-Site soil, soil vapor, and groundwater with petroleum related volatile organic compounds (VOCs)

1.2 Remedial History

Hurondel I, Inc. entered into a Brownfield Cleanup Agreement (BCA), Index#C915282-07-14, with the NYSDEC on September 9, 2014, to investigate and remediate a 0.6-acre property located in the City of Buffalo, Erie County, New York. After acceptance into Site Investigation/Interim Remedial Measure field activities were primarily conducted by Iyer Environmental Group, PLLC (IEG) in accordance with the NYSDEC-approved SI/IRM Work Plan (Ref. 2) from February 2015 through December 2015 and included: a Geoprobe® investigation (February 2015); a sub-slab soil investigation (February 2015); sub-slab soil vapor, indoor, and outdoor air sampling (March 2015); sump water sampling (April and June 2015); and IRM oversight (March through December 2015). Subsequent to IEG's completion of these field activities, Benchmark was retained by Hurondel to complete the remaining SI Work Plan requirements: well installation (June 2016); wood floor wipe sampling (June 2016); IRM backfill soil material confirmation sampling (June 2016); and a groundwater quality/ hydrogeologic assessment. Benchmark was also tasked with preparing and completing the Site Investigation/Interim Remedial Measures/Alternatives Analysis (SI/IRM/AA) Report (Ref. 3). The final remedial measures included placement of acceptable cover material in areas not otherwise covered by asphalt roadway, pavement, and building foundations as detailed in the Site Management Plan (SMP) (Ref. 4) and Final Engineering Report (FER) (Ref. 5). BCP site activities were performed in

accordance with the BCA and the property was remediated to a NYSDEC Part 375 Restricted-Residential Use Track 2 cleanup.

Emerson Huron, LLC is currently redeveloping the Site as the Emerson School of Hospitality. Site redevelopment activities are described in further detail in Section 4.2.

1.3 Compliance

At the time of the annual Site inspection (May 22, 2019), the Site was fully compliant with the NYSDEC-approved SMP (Ref 4).

The Site is currently undergoing redevelopment for the Emerson School of Hospitality. Redevelopment activities performed during this PRR reporting period which are regulated under the SMP included soil/fill removal for pile cap and grade beam excavations related to a new building addition, interior elevator shaft and sump excavation, import of NYSDEC approved clean stone backfill for construction activities, and excavation dewatering, pumping, and treating in accordance with a Buffalo Sewer Authority-issued temporary discharge permit. Benchmark provided oversight for intrusive redevelopment activities in conformance with the NYSDEC approved SMP Excavation Work Plan (EWP) requirements. All redevelopment activities were fully compliant with the NYSDEC approved SMP at the time of the Site inspection.

1.4 Recommendations

Based on the results of the annual inspection and certification, no modifications are recommended at this time under the assumption that the Emerson School of Hospitality redevelopment activities will continue to be constructed in accordance with the NYSDEC approved SMP and EWP.

2.0 SITE OVERVIEW

Previous environmental investigations completed at the Site identified contamination from past uses of the Site that required remediation. Hurondel I, Inc. entered into the BCP to further investigate and remediate the Site for future redevelopment. The remedial activities were completed in 2015, including:

- Excavation and off-site disposal of 4,458.1 tons of petroleum-impacted soil at the Tonawanda Landfill.
- Treatment and sanitary sewer discharge of approximately 10,000 gallons of groundwater through granular activated carbon (GAC).
- Removal of approximately 150 linear feet (LF) of pipe insulation, 100 square feet (SF) of boiler insulation, and 2,500 SF of floor tiles and transportation off-Site by The Environmental Service Group (NY) Inc. to Waste Management's Chaffee Landfill for disposal.

The remedial program was successful in achieving the remedial objectives for the Site. An Environmental Easement restricting end use of the Site and enforcing adherence to the SMP was filed in November 2017 and approved in December 2017. The Final Engineering Report (FER) was approved in December 2017. Concurrently, a Certificate of Completion (COC) was issued for the Site by the NYSDEC in December 2017.

3.0 REMEDY PERFORMANCE

A post-remedial site inspection involving a walk-over of the Site covered by this PRR was performed on May 22, 2019 to visually observe and document the use of the Site for restricted residential use, confirm absence of Site groundwater use, and verify conformance with other requirements under the SMP. The Site inspection confirmed that the controls are in-place and functioning as intended in accordance with the SMP.

As indicated above, the building redevelopment activities the Emerson School of Hospitality are currently underway. These activities necessitated soil/fill removal for structural excavations related to a building addition, interior elevator shaft and sump excavations within the existing structure, import of NYSDEC approved clean backfill for construction activities, and excavation dewatering, pumping, and treating. Benchmark has provided field oversight during ground-intrusive construction activities including community air monitoring, and assistance in coordinating and documenting soil/fill disposal at an approved landfill and clean stone import.

Appendix A includes the completed IC/EC Certification forms, and Appendix B includes photographs taken during the inspection.

4.0 SITE MANAGEMENT PLAN

A Site-wide SMP was prepared for the Site and approved by the Department in December 2017. Key components of the SMP are described below.

4.1 Institutional and Engineering Control (IC/EC) Plan

Since remaining contaminated soil/fill and groundwater exists beneath the Site, institutional and engineering controls are required to protect human health and the environment. The IC/EC Plan describes the procedures for the implementation and management of all IC/ECs at the Site.

4.1.1 *Institutional Controls*

The Site has a series of Institutional Controls (ICs) in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

- The property may only be used for restricted-residential, commercial, and industrial use provided that the long-term Engineering and Institutional Controls included in the SMP are employed;
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Erie County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP;
- Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
- The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries, and any potential impacts that are identified must be monitored or mitigated;
- Indoor air monitoring and soil vapor intrusion evaluation prior to future occupancy of the existing on-site building, preferably when the heating/ventilation systems are operational; and
- Vegetable gardens and farming on the site are prohibited.

4.1.2 Engineering Controls

There are no Engineering Controls (ECs) associated with the Site under the implemented Track 2 cleanup. The Site is either covered with hardscape (asphalt) or the on-site building, with no green space cover.

4.2 Excavation Work Plan

An Excavation Work Plan (EWP) was included in the approved SMP for the Site. The EWP provides guidelines for the management of soil/fill material during any future intrusive activities. Any intrusive work that may disturb remaining contamination during maintenance or redevelopment work on the Site must be performed in compliance with the EWP and must also be conducted in accordance with a site-specific Health and Safety Plan (HASP) and Community Air Monitoring Plan (CAMP) meeting the minimum requirements of the sample HASP and CAMP included with the SMP.

4.2.1 Site Improvement Activities

Intrusive activities undertaken during the reporting period (December 28, 2017 to April 28, 2019) are described below. Intrusive activities were observed by Benchmark

personnel to verify conformance with the SMP and the EWP. Site improvement activities are further described below and illustrated on Figure 2.

4.2.1.1 Soil/Fill Excavation & Removal – Building Addition

Between November 13, 2018 and December 11, 2018, approximately 520 tons of non-hazardous soil/fill was excavated during redevelopment activities for the building addition pile caps. Soil/fill was direct loaded and transported off-Site by Pariso Logistics (9A-826) for disposal at the Town of Tonawanda Landfill, located on East Park Road, Tonawanda NY (EnSol, Inc.) in accordance with the SMP for disposal. Broken asphalt was transported off-Site by Milherst Construction, Inc. for disposal at Swift River, located on River Road, Tonawanda, NY. Disposal documents are provided in Appendix C. MW-10 was damaged beyond repair during these excavation activities, as further discussed in section 5.0.

On January 9, 2019 the NYSDEC issued approval of a Beneficial Use Determination (BUD) request to allow reuse of the soils from grade beam excavation work, as they fell within the area of the original remedial excavation (i.e. within the surface parking area), which was backfilled with clean material and tested to meet unrestricted use soil cleanup objectives (SCOs). The material was sent to Harris Hill Common, Phase III, located on Clarence, NY and to the Milherst Construction, Inc. Yard, located in Clarence, NY. Load counts of BUD-approved materials and reuse locations are tabulated in Appendix C.

4.2.1.2 Soil/Fill Excavation & Removal – Interior Excavation Work

Between February 4, 2019 and March 26, 2019, approximately 171 tons of non-hazardous soil/fill was generated from the basement elevator shaft and new floor sump (sanitary and stormwater) and electrical vault excavation activities. Soil/fill and concrete was direct loaded and transported off-Site by Pariso Logistics (9A-826) for disposal at the Town of Tonawanda Landfill, located on East Park Road, Tonawanda NY (EnSol, Inc.) in accordance with the SMP. Broken concrete was transported off-Site by Milherst Construction, Inc. for disposal at Swift River, located on River Road, Tonawanda, NY. Disposal documentation is provided in Appendix C. During electrical vault excavation activities near the southwest corner of the building a small (less than 30' x 30') area of shallow, oil impacted soil and water was identified on soil underlying the concrete floor slab. The NYSDEC was notified of the finding. The excavation yielded footers consistent with supports for a tank saddle and was adjacent to historic piping suspected to be from a fill port

near the parking area entrance. It was determined that the impacts were likely associated with a former fuel oil tank. Water was pumped and treated from the impacted area by Benchmark (see below) while the impacted soils were removed until no visual or olfactory evidence of impact remained.

On March 12, 2019, one post-excavation bottom floor sample was collected in the area of oil impacts (no excavation sidewalls were created due to the shallow nature of the impacts). The analytical results were all well below Restricted Residential Use Soil Cleanup Objectives. Post-excavation soil analytical results are included in Appendix D.

An active sub-slab depressurization (ASD) system has been designed and approved by the NYSDEC for implementation in the existing building. The IRM will be implemented as part of the ongoing interior renovations in 2019 and will be documented in the next PRR along with post-installation vacuum test results.

4.2.1.3 Excavation Groundwater Pump and Treat System

During the course of the interior excavation activities, groundwater generated during dewatering operations was treated and discharged to the sanitary sewer system under a Buffalo Sewer Authority (BSA) Temporary Discharge Permit. Treatment included initial settling within frac tanks, filtration through bag filters and granular activated carbon (GAC) vessels. The groundwater pump and treat system was used periodically, or as needed, January through March 2019. A copy of the BSA Discharge Permit is included in Appendix E.

Spent bag filters were disposed of as solid municipal waste. GAC was removed from the site by TurnKey Environmental Restoration for regeneration by Carbon Activated Corp. in Blasdell, NY. Regeneration has not been completed as of the time of this PRR; regeneration documentation will be provided in the next PRR. The on-site frac tank was vacuumed out and the tank bottom removed in March 2019. Vacuumed contents were disposed of at American Recyclers, located in Tonawanda, New York. Disposal records are included in Appendix C.

4.2.1.4 Imported Materials

Stone imported from County Line Stone and New Enterprise Stone was imported to the site for use as structural fill beneath the new basement floor slabs and footers. Approximately 840 tons of stone was imported to the Site between November 29, 2018 and March 25, 2019. Import documentation from the contractor is included in Appendix F.

4.2.1.5 Community Air Monitoring Program (CAMP) Results

Community air monitoring was performed at a downwind location during all activities involving disturbance of soil/fill material at the Site. A Community Air Monitoring Program (CAMP) was included with the Health and Safety Plan (HASP) in the NYSDEC approved SMP. Per the CAMP, action limits of 100 ug/m³ for respirable particulates and 5 parts per million (ppm) were employed. No exceedances of the 15-minute time weighted average (TWA) thresholds were recorded during intrusive activities. Copies of CAMP data sheet are provided in Appendix G.

4.3 Annual Inspection and Certification Program

The Annual Inspection and Certification Program outlines requirements for certifying and attesting that the IC/ECs employed on the Sites are unchanged from the original design and/or previous certification. The Annual Certification includes a site inspection and completion of the NYSDEC's IC/EC Certification Form. The Site inspection is intended to verify that the IC/ECs:

- Are in place and effective.
- Are performing as designed.
- That nothing has occurred that would impair the ability of the controls to protect the public health and environment.
- That nothing has occurred that would constitute a violation or failure to comply with any operation and maintenance plan for such controls.
- Access is available to the Site to evaluate continued maintenance of such controls.

Inspection of the Site was conducted by Mr. Thomas Forbes, P.E. of Benchmark on May __ 2019. Mr. Forbes is a licensed and registered NY State Professional Engineer and meets the requirements of a Qualified Environmental Professional (QEP) per 6NYCRR Part 375.12. At the time of the inspection, the Site was undergoing redevelopment activities for construction of the new Emerson School of Hospitality. Benchmark has observed all intrusive activities that have occurred during this PRR reporting period to verify compliance with the NYSDEC approved SMP. No observable indication of intrusive activities was noted during the Site inspection beyond those described in Section 4.2. No observable use of groundwater was noted during the Site inspection.

The completed Site Management Periodic Review Report Notice – Institutional and Engineering Controls Certification Form is included in Appendix A. A photographic log of the Site inspections during intrusive work as well as the May 2019 Site inspection are included in Appendix B.

4.4 Operation, Monitoring and Maintenance Plan

The remedy for the Site does not rely on any mechanical systems such as sub-slab depressurization or soil vapor extraction, to protect public health and the environment. Therefore, an Operation and Maintenance Plan is not required.

4.5 Other Requirements

Benchmark personnel will continue to provide field construction oversight including soil and fill management, community air monitoring for intrusive activities, and field documentation for the duration of the redevelopment activities in accordance with the EWP.

As outlined in the approved SMP, post-remedial soil vapor intrusion (SVI) sampling must be performed prior to building occupancy and during the heating season if those events do not coincide. The monitoring will be coordinated with the NYSDEC and NYSDOH and will be targeted for the heating season.

Once the ASD System, described in Section 4.2, is completely installed post-installation confirmation testing will performed and an operation and maintenance plan will be provided with the 2020 PRR.

5.0 GROUNDWATER MONITORING

The SMP requires semi-annual groundwater monitoring and checks of groundwater levels beneath the basement floor slab semi-annually for a period of approximately two years, then annually thereafter until the NYSDEC agrees that monitoring can be terminated. Groundwater monitoring is performed at wells HMW-1, HMW-2, HMW-3, HMW-4, HMW-5, HMW-6, MW-10, and GSW-1 and groundwater levels beneath the basement floor slab at GSW-1 and monitoring point MP-01.

Benchmark personnel performed the first semi-annual groundwater monitoring event on May 17, 2018 and the second semi-annual groundwater monitoring event on October 29, 2018. Groundwater was analyzed for petroleum-range volatile organic compounds (pVOCs), natural attenuation parameter alkalinity (as CaCO_3), and field parameters (i.e., pH, temperature, specific conductance, turbidity, dissolved oxygen, and oxidation-reduction potential). Analytical results for the 2018 sampling are presented in Appendix H and summarized on Table 1.

Comparisons of the RI groundwater monitoring events performed in 2016 and 2017 to the post-remedial events performed in 2018 indicate significant decreases in both Total VOC concentrations and pVOC concentrations at HMW-3, which is down gradient of an oxygen injection location located at the 181 Delaware Ave site. Monitoring locations HMW-1, HMW-4, HMW-5 and HMW-6 continue to exhibit only trace VOC detections above their specific laboratory reporting limits but below their NYSDEC GWQS/GVs.

Both total and petroleum VOC concentrations at HMW-2 and HMW-3 fall below 1,000 ppb as of the October 2018 event. Although MW-10 (which is located downgradient from the source area located at the 181 Delaware Ave site) has indicated increases in total and pVOCs concentrations, it may not have yet been influenced by the oxygen injections and chemical applications that have been performed at that location.

The GSW-1 sample yielded detections of chlorinated VOCs that exceed GWQS during post-remedial monitoring in May and October of 2018, as well as a June 2018 resample event that served to confirm the May 2018 findings. The source of these detections is unknown, but levels appear to be relatively consistent. An ASD system is under construction in the building and will be activated prior to occupancy. Continued monitoring of basement sump water will be performed during future events.

During redevelopment activities in winter of, MW-10 was damaged beyond repair. A replacement well (MW-10R) is planned to be installed once exterior redevelopment activities are complete; subsequently MW-10R will be developed and sampled. It is expected that this work and the next round of post-remedial monitoring will be performed in late June or July of 2019 pending sufficient completion of exterior redevelopment activities to avoid interference with drilling work.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Conclusions for this reporting period and recommendations for the next reporting period are as follows:

- At the time of the Site inspection, the Site was in compliance with the SMP. The Site is currently undergoing redevelopment with intrusive activities with NYSDEC knowledge and Benchmark observation.
- Post-installation ASD communication testing will be performed prior to building occupancy.
- MW-10R will be installed in June or July 2019 or once exterior redevelopment activities are complete; subsequently MW-10R will be developed and sampled.

The following modifications are recommended for the Site:

- No modifications are recommended at this time.

7.0 DECLARATION/LIMITATION

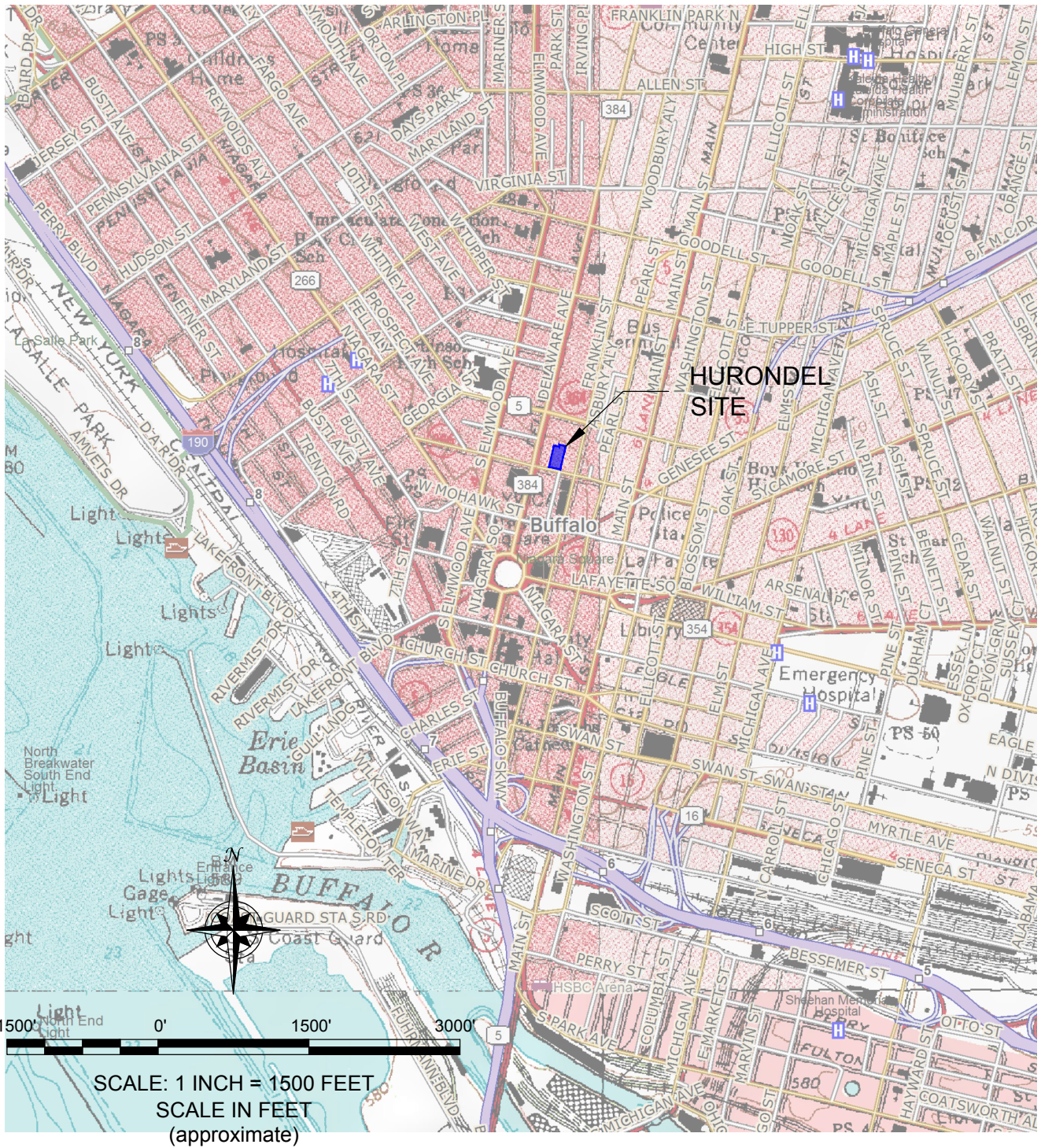
This PRR has been prepared for the exclusive use of Emerson Huron, LLC. The contents of this PRR are limited to information available at the time of the Site inspection. The findings herein may be relied upon only at the discretion of Emerson Huron, LLC. Use of or reliance upon this PRR or its findings by any other person or entity is prohibited without written permission of Benchmark Environmental Engineering & Science, PLLC.

8.0 REFERENCES

1. New York State Department of Environmental Conservation. *DER-10/ Technical Guidance for Site Investigation and Remediation*. May 3, 2013.
2. Iyer Environmental Group, PLLC (IEG). *Site Investigation/Interim Remedial Measure (SI/IRM) Work Plan, 73-79 West Huron Street Site, Buffalo, New York. BCP Site #C915282*. June 2015.
3. Benchmark Environmental Engineering & Science, PLLC (Benchmark). *Final Site Investigation/Interim Remedial Measures/Alternatives Analysis Report, 75-77 West Huron Street Property, Buffalo, New York*. May 2017.
4. Benchmark Environmental Engineering & Science, PLLC (Benchmark). *Site Management Plan for 73-79 West Huron Street Site*. November 2017.
5. Benchmark Environmental Engineering & Science, PLLC (Benchmark). *Final Engineering Report for 73-79 West Huron Street Site*. November 2017.

FIGURES

FIGURE 1



2558 HAMBURG TURNPIKE
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SITE LOCATION & VICINITY MAP

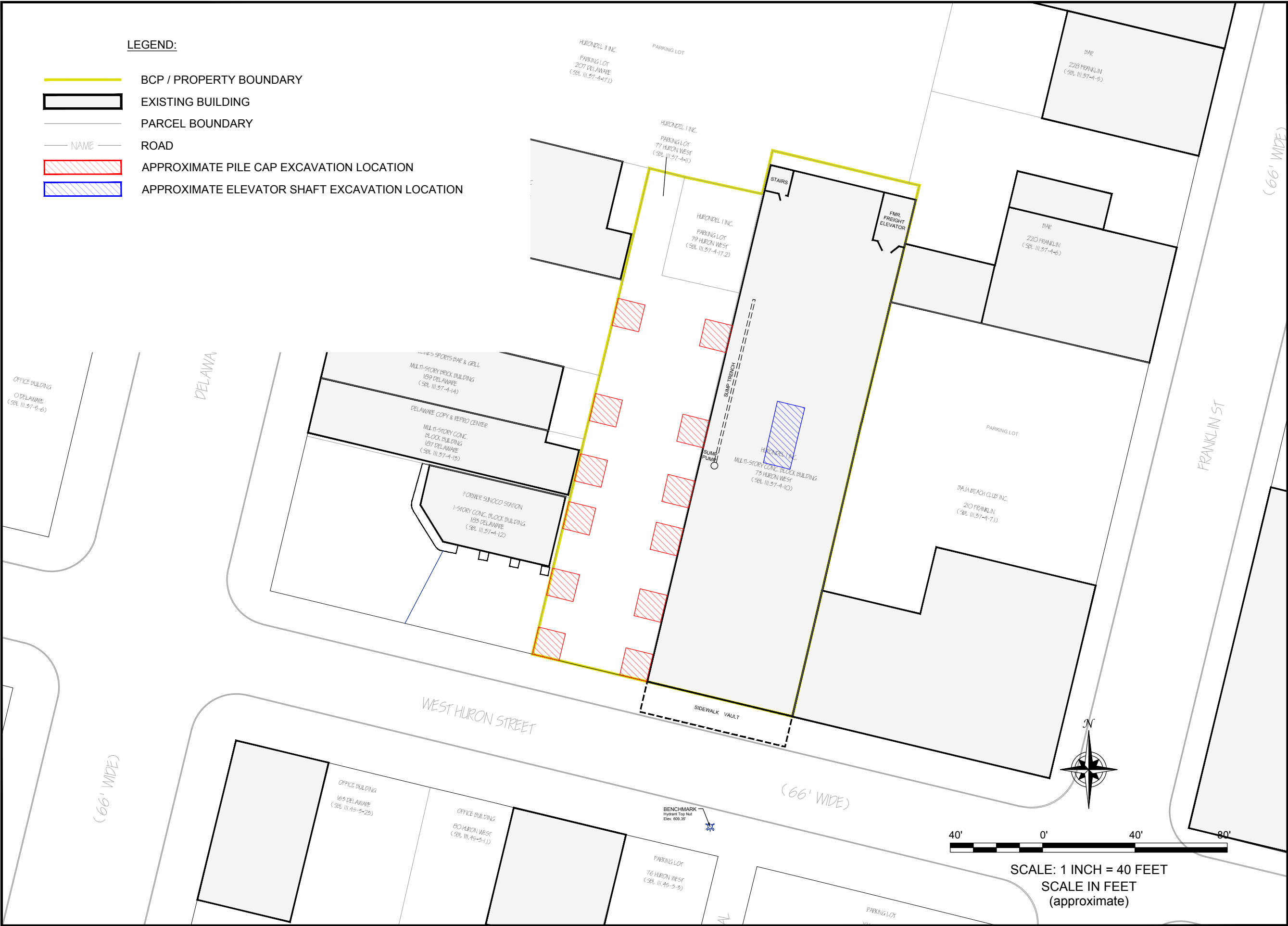
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PROJECT NO.: 0441-018-001
DATE: MAY 2019
DRAFTED BY: CCB

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SITE IMPROVEMENT ACTIVITIES

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PREPARED FOR
EMERSON HURON, LLC

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FIGURE 2

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TABLE

Parameter	GWQS/GV	Hurondel Monitoring Wells																												Hurondel Sump Water						
		MW-10				HMW-1				HMW-2				HMW-3				HMW-4				HMW-5				HMW-6				GSW-1 (SUMP - 1)						
		06/23/16	01/11/17	05/17/18	10/24/18	06/16/16	01/11/17	05/17/18	10/24/18	06/16/16	01/11/17	05/17/18	10/24/18	06/16/16	01/11/17	05/17/18	10/24/18	06/16/16	01/11/17	05/17/18	10/24/18	06/16/16	01/11/17	05/17/18	10/24/18	06/16/16	01/11/17	05/17/18	10/24/18	04/24/15	06/05/15	05/17/18	06/05/18	10/24/18		
VOLATILE ORGANICS (VOCs, ug/L)																																				
1,2,4-Trimethylbenzene	5	1.5	ND	ND	51	ND	ND	ND	ND	880	760 D	ND	540 D	380	30	ND	5.9	ND	ND	ND	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.7	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	51	33	ND	ND	35 J	ND	ND	53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
2-Butanone	50	--	--	ND	ND	--	ND	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	ND	ND	ND	5.7	ND	ND	ND	ND
Acetone	5	--	--	27	ND	ND	--	ND	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.17 J	ND	ND	ND	0.23 J	ND	ND	ND	0.22 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloroform	7	--	--	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	--	ND	ND	3.8	--	2.3 J	ND	2.7	--	ND	ND	ND	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethene	5	--	--	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	ND	25	24	31		
Cyclohexane	--	--	--	50	180	ND	--	ND	ND	290	--	140	69	460	--	190 D	96	ND	--	ND	ND	0.59 J	--	ND	ND	0.49 J	--	ND	ND	ND	ND	4.8 J	ND	ND	ND	ND
Ethylbenzene	5	66.2	ND	72	500	ND	ND	ND	ND	19 J	31	17	10	1800	840	490 D	31	0.77 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Hexanone	50	--	--	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	--	1.2 J	ND	ND	ND	ND	ND	ND	ND	
Isopropylbenzene	5	13.6	2.6	20	61	ND	ND	ND	ND	74	71	58	73	110	17 J	54	18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND		
Methylcyclohexane	--	--	--	ND	8 J	ND	--	ND	ND	59 J	--	38	13	160 J	--	94	64	0.48 J	--	ND	ND	0.44	--	ND	ND	0.56 J	--	ND	ND	ND	0.49 J	ND	ND	ND	ND	
n-Butylbenzene	5	ND	ND	ND	1.9 J	ND	ND	ND	ND	13 J	13	ND	9.3 J	16 J	34 J	ND	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
n-Propylbenzene	5	38.1	4	ND	110	ND	ND	ND	ND	170	180	ND	140 J	210	ND	ND	110	0.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.8	ND	ND	ND	ND		
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND	2.9 J	ND	ND	ND	5.7 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
sec-Butylbenzene	5	1.8	ND	ND	9.2	ND	ND	ND	ND	8.2 J	ND	ND	ND	ND	ND	ND	9.1	0.7 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Tetrachloroethene	5	--	--	ND	ND	0.24 J	--	0.18 J	0.3 J	1.8 J	--	ND	ND	ND	--	ND	ND	ND	--	ND	ND	0.54	--	0.35 J	0.43 J	0.91	--	0.44 J	0.53	3.4	4.9	550	480	680		
Toluene	5	1.2	ND	39	12	ND	ND	ND	ND	ND	ND	ND	ND	490	350	7.6	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Total Xylenes	5	6	ND	371	319	ND	ND	ND	ND	ND	3.2 J	0.95 J	ND	2900	427 J	555 D	92	0.84 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.91 J	ND	ND	ND	ND		
Trichloroethene	5	--	--	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	0.52 J	13 J	12	16		
TOTAL VOCs	--	128.4	6.6	502	1252.1 J	0.24	0	0.18	0.3 J	1566 J	1105.2 J	253.95 J	857.2 J	6101 J	1698	1390.6 J	505.7 J	3.86	0	0	1 J	5.6	0	2.65	0.43 J	4.88	0	1.64	0.53	3.4	29.72 J	588 J	516	727		
TOTAL pVOCs	--	128.4	6.6	502	1064.1 J	0	0	0	0	1215.2 J	1105.2 J	75.95 J	775.2 J	5941 J	1698 J	1106.6	345.7 J	3.38	0	0	1 J	0.23	0	0	0	0.22	0	0	0	0	19.01 J	0	0	0		
TOTAL cVOCs	--	0	--	0	0 J	0.48	--	0.18	0.3 J	1.8 J	--	0	0 J	0	--	0	0	0	--	0	0	0.54	--	0.35	0.43 J	0.91	--	0	0.53	3.4	5.42 J	588	516	727		
General Chemistry (mg/L)																																				
T. Alkalinity (asCaCO3)	--	--	--	518	476	--	--	320	329	--	--	305	320	--	--	470	396	--	--	108	196	--	--	237	336	--	--	289	418	--	--	331	--	338		

Notes:

1. ND - Not Detected
2. Only those compounds detected at a minimum of one location are presented.
3. Values exceeding NYS Ambient Water Quality Class GA Groundwater Quality Standards/Guidance Values; NYSDEC June 1998 Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 are highlighted in yellow.
4. Data presented has been validated by a third party data validator; data and qualifiers modified by the validator are in RED.

Qualifiers:

J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.

D = Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

APPENDIX A

INSTITUTIONAL & ENGINEERING CONTROLS CERTIFICATION FORMS



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site No. C915282

Site Details

Box 1

Site Name 73-79 W. Huron St.

Site Address: 73-79 W. Huron St. **Zip Code:** 14202

City/Town: Buffalo

County: Erie

Site Acreage: 0.609

Reporting Period: December 28, 2017 to April 28, 2019

- | | YES | NO |
|--|-------------------------------------|-------------------------------------|
| 1. Is the information above correct? | ☒ | ☐ |
| If NO, include handwritten above or on a separate sheet. | | |
| 2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period? | ☐ | ☒ |
| 3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? | ☐ | ☒ |
| 4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? | ☒ | ☐ |
| If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form. | | |
| 5. Is the site currently undergoing development? | ☒ | ☐ |

- | | YES | NO |
|---|-------------------------------------|--------------------------|
| 6. Is the current site use consistent with the use(s) listed below?
Restricted-Residential, Commercial, and Industrial | ☒ | ☐ |
| 7. Are all ICs/ECs in place and functioning as designed? | ☒ | ☐ |

**IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

Box 2A

YES NO

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?



If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid?
(The Qualitative Exposure Assessment must be certified every five years)



If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C915282

Box 3

Description of Institutional Controls

ParcelOwnerInstitutional Control

111.37-4-10

Emerson Huron, LLC

Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan
Ground Water Use Restriction

- Prohibition against use of groundwater without treatment
- Provision for SVI evaluation of occupied buildings on site
- Annual monitoring of groundwater
- Compliance with excavation plan

111.37-4-11

Emerson Huron, LLC

IC/EC Plan
Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan

- Site use is limited to Restricted Residential, Commercial and Industrial uses as described in 6 NYCRR Part 375;

- Prohibition against use of groundwater without treatment;
- Provision for SVI evaluation of occupied buildings on site;
- Annual monitoring of groundwater;
- Compliance with excavation plan and
- Monitoring to assess the performance and effectiveness of the remedy.

111.37-4-17.2

Emerson Huron, LLC

Monitoring Plan
Landuse Restriction
Site Management Plan
IC/EC Plan
Ground Water Use Restriction
Soil Management Plan

- Site use is limited to Restricted Residential, Commercial and Industrial uses as described in 6 NYCRR Part 375;

- Prohibition against use of groundwater without treatment;
- Provision for SVI evaluation of occupied buildings on site;
- Annual monitoring of groundwater;
- Compliance with excavation plan and
- Monitoring to assess the performance and effectiveness of the remedy.

Box 4

Description of Engineering Controls

None Required

Not Applicable/No EC's

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

- a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;
- b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO



2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

- (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;
- (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;
- (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;
- (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and
- (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO



**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C915282

Box 6

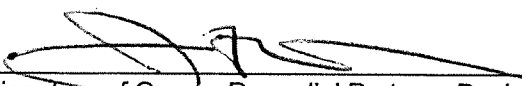
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1, 2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I James F. Dentzer at Emerson Huren, LLC
print name print business address

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.


Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

5/23/19
Date

APPENDIX B

SITE PHOTO LOG

PHOTOGRAPHIC LOG

Client Name: Emerson Huron, LLC		Site Location: 73-79 W. Huron Street Site (C915282)	Project No.: B0441-018-001
Photo No. 1	Date 11/14/18		
Direction Photo Taken: North			
Description: Building Addition Pile Cap Excavation Activities			

Photo No. 2	Date 11/14/18	
Direction Photo Taken: South		
Description: Building Addition Pile Cap Excavation Activities		

PHOTOGRAPHIC LOG

Client Name: Emerson Huron, LLC		Site Location: 73-79 W. Huron Street Site (C915282)	Project No.: B0441-018-001
Photo No. 3	Date 02/14/19		
Direction Photo Taken: Basement Interior			
Description: Basement Floor Removal & Dewatering Activities			

Photo No. 4	Date 03/22/19	
Direction Photo Taken: Northeast		
Description: Basement Floor Removal & Dewatering Activities: On-Site groundwater pump and treat system.		

PHOTOGRAPHIC LOG

Client Name: Emerson Huron, LLC		Site Location: 73-79 W. Huron Street Site (C915282)	Project No.: B0441-018-001
Photo No. 5	Date 03/22/19		
Direction Photo Taken: Northeast			
Description: Basement Floor Removal & Dewatering Activities			

Photo No. 6	Date 03/22/19	
Direction Photo Taken: East		
Description: Basement Floor Removal & Dewatering Activities		

PHOTOGRAPHIC LOG

Client Name: Emerson Huron, LLC		Site Location: 73-79 W. Huron Street Site (C915282)	Project No.: B0441-018-001
Photo No. 7	Date 05/22/19		
Direction Photo Taken: North			
Description: Annual Site Inspection: Exterior Building Addition Redevelopment Activities			

Photo No. 8	Date 05/22/19	
Direction Photo Taken: North		
Description: Annual Site Inspection: Exterior Building Addition Redevelopment Activities		

PHOTOGRAPHIC LOG

Client Name: Emerson Huron, LLC		Site Location: 73-79 W. Huron Street Site (C915282)	Project No.: B0441-018-001
Photo No. 9	Date 05/22/19		
Direction Photo Taken: North			
Description: Annual Site Inspection: Exterior Building Addition Redevelopment Activities			

Photo No. 10	Date 05/22/19	
Direction Photo Taken: East		
Description: Annual Site Inspection: Interior First Floor Redevelopment Activities		

PHOTOGRAPHIC LOG

Client Name: Emerson Huron, LLC		Site Location: 73-79 W. Huron Street Site (C915282)	Project No.: B0441-018-001
Photo No. 11	Date 05/22/19		
Direction Photo Taken: South			
Description: Annual Site Inspection: Exterior Building Addition Redevelopment Activities			

Photo No. 12	Date 05/22/19	
Direction Photo Taken: South		
Description: Annual Site Inspection: Interior Basement Redevelopment Activities		

PHOTOGRAPHIC LOG

Client Name: Emerson Huron, LLC		Site Location: 73-79 W. Huron Street Site (C915282)	Project No.: B0441-018-001
Photo No. 13	Date 05/22/19		
Direction Photo Taken: South			
Description: Annual Site Inspection: Interior Basement Redevelopment Activities			

Photo No. 14	Date 05/22/19	
Direction Photo Taken: Floor		
Description: Annual Site Inspection: Interior Basement Elevator Shaft		

PHOTOGRAPHIC LOG

Client Name: Emerson Huron, LLC		Site Location: 73-79 W. Huron Street Site (C915282)	Project No.: B0441-018-001
Photo No. 15	Date 05/22/19		
Direction Photo Taken: South			
Description: Annual Site Inspection: Interior Basement Electrical Vault Excavation Activities			

APPENDIX C

DISPOSAL DOCUMENTS

Non-Hazardous Soil/Fill Disposal

BUILDING ADDITION

EnSol, Inc.
Environmental Solutions

Professional Engineering · Business Consulting

661 Main Street
Niagara Falls, NY 14301

Ph (716) 285-3920 · Fx (716) 285-3928

E-Mail jbattaglia@ensolinc.com

Manifest Invoicing

Page 1 of 2

Project No: 18-3476-05B

Customer Name:

Milherst Construction Inc.

Generator Name:

Emerson Huron, LLC c/o McGuire Dev.

Location Name :

Emerson School of Hospitality II

Address: P.O. Box 430

City: Clarence Center

State New York **Zip:** 14032

Address: 455 Cayuga Rd,

City: Buffalo

State NY **Zip:** 14225

Address: 75 W. Huron Street

City: Buffalo

State NY **Zip:** 1420

Manifest No	TicketDate	Trucker Ticket Number	Weight Ticket Number	TruckID	Actual Tonnage	Minimum Tonnage	Billable Tonnage:	Liners Used	Trucker Wait Time
449985	11/19/2018		129961	37	20.58	0	20.58	0	
449986	11/19/2018		129963	40	22.87	0	22.87	0	
449987	11/19/2018		129964	37	24.46	0	24.46	0	
449988	11/19/2018		129966	40	20.44	0	20.44	0	
449990	11/19/2018		129971	41	20.61	0	20.61	0	
449991	11/20/2018		129972	41	22.37	0	22.37	0	
449992	11/20/2018		129973	41	26.38	0	26.38	0	
449993	11/20/2018		129974	17	21.61	0	21.61		
449994	11/20/2018		129975	41	19.32	0	19.32	0	
449995	11/20/2018		129976	17	23.83	0	23.83	0	
449996	11/21/2018		129986	43	22.42	0	22.42	0	
449997	11/20/2018		129980	17	20.72	0	20.72	0	
449998	11/21/2018		129984	17	20.48	0	20.48	0	
449999	11/21/2018		129988	17	21.29	0	21.29	0	
450000	11/29/2018		129996	200	19.87	0	19.87	0	

BUILDING ADDITION

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Manifest Invoicing

Page 2 of 2

Project No: 18-3476-05B

Customer Name:

Milherst Construction Inc.

Generator Name:

Emerson Huron, LLC c/o McGuire Dev.

Location Name :

Emerson School of Hospitality II

Address: P.O. Box 430

City: Clarence Center

State New York **Zip:** 14032

Address: 455 Cayuga Rd,

City: Buffalo

State NY **Zip:** 14225

Address: 75 W. Huron Street

City: Buffalo

State NY **Zip:** 1420

Manifest No	TicketDate	Trucker Ticket Number	Weight Ticket Number	TruckID	Actual Tonnage	Minimum Tonnage	Billable Tonnage:	Liners Used	Trucker Wait Time
450001	11/29/2018		130001	200	22.19	0	22.19	0	
450002	11/29/2018		130003	200	23.74	0	23.74	0	
450003	11/29/2018		130004	21	17.51	0	17.51	0	
450045	11/19/2018		129960	40	21.84	0	21.84	0	

Number of Manifests: 19

Code 1: 5194

Date 1: 12/06/2018

Total Actual Tonnage:	412.53	Total Billable Tonnage:	412.53	Total Liners Used	0	Total Time (minutes)	
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BUILDING ADDITION

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Page 1 of 1

Project No: 18-3476-05B

Customer Name:

Milherst Construction Inc.

Generator Name:

Emerson Huron, LLC c/o McGuire Dev.

Location Name :

Emerson School of Hospitality II

Address: P.O. Box 430

City: Clarence Center

State New York **Zip:** 14032

Address: 455 Cayuga Rd,

City: Buffalo

State NY **Zip:** 14225

Address: 75 W. Huron Street

City: Buffalo

State NY **Zip:** 1420

Manifest No	TicketDate	Trucker Ticket Number	Weight Ticket Number	TruckID	Actual Tonnage	Minimum Tonnage	Billable Tonnage:	Liners Used	Trucker Wait Time
449989	11/20/2018		104297	40	22.48	0	22.48	0	
450004	12/11/2018		130049	111	27.52	0	27.52	0	
450005	12/11/2018		130050	36	22.58	0	22.58	0	
450006	12/11/2018		130052	111	22.82	0	22.82	0	
450007	12/11/2018		130053	36	8.86	0	8.86	0	

Number of Manifests: 5

Code 1: 5195

Date 1: 12/14/2018

Total Actual Tonnage:	104.26	Total Billable Tonnage:	104.26	Total Liners Used	0	Total Time (minutes)	
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INTERIOR EXCAVATION WORK

EnSol, Inc.
Environmental Solutions

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Niagara Falls, NY 14301

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Manifest Invoicing

Page 1 of 1

Project No: 18-3476-05B

Customer Name:

Milherst Construction Inc.

Generator Name:

Emerson Huron, LLC c/o McGuire Dev.

Location Name :

Emerson School of Hospitality II

Address: P.O. Box 430

City: Clarence Center

State New York **Zip:** 14032

Address: 455 Cayuga Rd,

City: Buffalo

State NY **Zip:** 14225

Address: 75 W. Huron Street

City: Buffalo

State NY **Zip:** 1420

Manifest No	TicketDate	Trucker Ticket Number	Weight Ticket Number	TruckID	Actual Tonnage	Minimum Tonnage	Billable Tonnage:	Liners Used	Trucker Wait Time
450008	2/6/2019		130348	28	19.82	0	19.82	0	
450009	2/6/2019		130345	28	15.63	0	15.63	0	
450010	2/18/2019		130368	26	16.20	0	16.20	0	
450011	2/5/2019		130341	28	16.32	0	16.32	0	
450012	2/5/2019		130338	28	11.01	0	11.01	0	
450013	2/18/2019		130373	26	14.31	0	14.31	0	
450014	2/4/2019		130333	26	25.07	0	25.07	0	

Number of Manifests: 7

Code 1: 5222

Date 1: 02/19/2019

Total Actual Tonnage:	118.36	Total Billable Tonnage:	118.36	Total Liners Used	0	Total Time (minutes)	
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INTERIOR EXCAVATION WORK

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Manifest Invoicing

Page 1 of 1

Project No: 18-3476-05B

Customer Name:

Milherst Construction Inc.

Generator Name:

Emerson Huron, LLC c/o McGuire Dev.

Location Name :

Emerson School of Hospitality II

Address: P.O. Box 430

City: Clarence Center

State New York **Zip:** 14032

Address: 455 Cayuga Rd,

City: Buffalo

State NY **Zip:** 14225

Address: 75 W. Huron Street

City: Buffalo

State NY **Zip:** 1420

Manifest No	TicketDate	Trucker Ticket Number	Weight Ticket Number	TruckID	Actual Tonnage	Minimum Tonnage	Billable Tonnage:	Liners Used	Trucker Wait Time
450031	3/1/2019		130414	26	13.63	0	13.63	0	

Number of Manifests: 1

Code 1: 5224

Date 1: 03/13/2019

Total Actual Tonnage:	13.63	Total Billable Tonnage:	13.63	Total Liners Used	0	Total Time (minutes)	
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INTERIOR EXCAVATION WORK

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Manifest Invoicing

Page 1 of 1

Project No: 18-3476-05B

Customer Name:

Milherst Construction Inc.

Generator Name:

Emerson Huron, LLC c/o McGuire Dev.

Location Name :

Emerson School of Hospitality II

Address: P.O. Box 430

City: Clarence Center

State New York **Zip:** 14032

Address: 455 Cayuga Rd,

City: Buffalo

State NY **Zip:** 14225

Address: 75 W. Huron Street

City: Buffalo

State NY **Zip:** 1420

Manifest No	TicketDate	Trucker Ticket Number	Weight Ticket Number	TruckID	Actual Tonnage	Minimum Tonnage	Billable Tonnage:	Liners Used	Trucker Wait Time
450020	3/26/2019		132052	26	18.56	0	18.56	0	
450028	3/21/2019		131940	26	4.78	0	4.78	0	
450029	3/21/2019		131939	26	15.53	0	15.53	0	

Number of Manifests: 3

Code 1: 5238

Date 1: 04/02/2019

Total Actual Tonnage:	38.87	Total Billable Tonnage:	38.87	Total Liners Used	0	Total Time (minutes)	
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EnSol, Inc
661 Main Street
Niagara Falls, New York 14301
Phone (716)285-3920 Fax (716)285-3928

Disposal Location:
Tonawanda Bioremediation Facility

Project No: __18-3476-05B

GENERATOR WASTE PROFILE SHEET
PETROLEUM CONTAMINATED SOIL

GENERATOR INFORMATION:

Generator Name: __Emerson Huron, LLC c/o McGuire Development__
Generator Street Address: __455 Cayuga Road, Suite 100__ City: __Buffalo__
State: __New York__ Zip Code: __14225__ Phone: __716-829-1900__
Generator Contact: __Jim Dentinger__

SITE INFORMATION:

Site Name: __Emerson School of Hospitality II__
Site Street Address: __75 W. Huron Street__ City: __Buffalo__
State: __New York__ Zip Code: __14202__ Phone: __716-517-5867__
Site Contact: __Mark Wendling__ NYSDEC Spill No.: __N/A__

BILLING INFORMATION:

Customer Name: __Milherst Construction, Inc.__
Customer Billing Address: __10025 County Rd, P.O. Box 430, Clarence Center, NY 14032__
Customer Contact: __Thomas Drollinger__
Phone: __716-688-9098__ Email: __tom@milherst.com__

WASTE STREAM INFORMATION:

Name of Waste: __Gasoline Contaminated Soil__
Process Generating Waste: __from subsurface excavation__

Estimated Annual Volume: Cubic Yards: _____ Tons: __1000__

Characteristic Components	% By Weight
1. __Soil__	99+%
2. __Gasoline__	<1%

Color: __Brn/Blk__ Odor: __Petro__ pH Range: __8.1__ Flash Point: __>70C__
% Solids: __100__ Physical State: __Liquid__ __Slurry__ __Sludge__ __X__ Solid
Is TCLP analysis attached: __X Yes__ __No__ Material is Non Hazardous: __X Yes__ __No__
Name of Waste Transporter: __Pariso Logistics__
Address: __3649 River Road, Tonawanda, NY__ Phone: __716-875-6168__
NYSDEC Permit No.: __9A 826__

GENERATOR'S CERTIFICATION, I hereby affirm under penalty of perjury that the information and attachments provided on this form are true to the best of my knowledge and belief, and that the material represented by the above data is non-hazardous according to all state and federal requirements.

Representative and Title of Waste Generator

x James F. Dentinger
PRINT WASTE GENERATOR NAME/TITLE

[Signature]
SIGNATURE

11/16/18
Date

Virgin Fuel Oil/Gasoline Spill Certification

x James F. Dentinger
PRINT WASTE GENERATOR NAME/TITLE

[Signature]
SIGNATURE

11/16/18
Date

EnSol Inc. Approval Agent

x _____
PRINT AGENT NAME AND TITLE

SIGNATURE

Date

WASTE MATERIAL CRITERIA SHEET
PETROLEUM CONTAMINATED SOIL

This sheet is to be used as a cover page for analytical data

SITE INFORMATION:

Site Name: _____ Emerson School of Hospitality II _____
Site Street Address: 75 W. Huron Street _____ City: Buffalo _____
State: NY _____ Zip Code: 14202 _____ Phone: 716-517-5867 _____
Site Contact: Mark Wendling _____ NYSDEC Spill No.: N/A _____

WASTE TYPE: Petroleum Contaminated Soil

Soil Volume (see Testing Requirements below)

Total Estimated Volume: 1000 _____ Tons

Is soil analysis information provided for the following?

Ignitability

YES X Found on page 27 _____ NO ☐ Explain: _____

pH

YES X Found on page 28 _____ NO ☐ Explain: _____

TCLP - Benzene

YES X Found on page 9 _____ NO ☐ Explain: _____

TCLP - Lead

YES X Found on page 21 _____ NO ☐ Explain: _____

TPH

YES X Found on page 13,14 _____ NO ☐ Explain: _____

Sample Type

X Composite Sample

☐ Grab Sample (5 grab samples = 1 composite sample)

Testing Requirements:

A Chain of Custody must accompany all analytical data. There should be a minimum of 1 composite sample for 0 – 1000 tons, 1 composite sample for each additional 1000 tons.

**Tonawanda Bioremediation Facility accepts only non hazardous petroleum impacted soil.
Unacceptable material and soils that contain debris such as asphalt, stone, block, brick, plastic and other types of non soil debris are not acceptable for treatment at the facility.**

PARISO LOGISTICS, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEM TRI-AXLES DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET # **P129961**

CUSTOMER NAME

DATE

TIME

JOB #

SHIP TO

GROSS	11,100.00	POUNDS
TARE	1,100.00	POUNDS
NET	10,000.00	POUNDS

PRODUCT

WEIGHMASTER: **PARISO LOGISTICS, INC.**

S. RAWE / E. RAWE

N.Y.S. LICENSE #140331 / 601381

WEIGHED BY

TRUCK NO.

TRUCKING CO.:

TRUCKER'S
SIGNATURE

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N/A		2. Page 1 of		3. Emergency Response Phone 716-285-3920		4. Waste Tracking Number 22-245585	
		5. Generator's Name and Mailing Address Everson Rulon, LLC c/o McGuire Dev., , 455 Gayana Rd, Suite 200, , Buffalo NY 14225, 716-822-1900				Generator's Site Address (if different than mailing address) Everson School of Hospitality II, 75 W. Muron Street, Buffalo NY 14202, Mark Wendling			
6. Transporter 1 Company Name Pariso Logistics 716-875-6150		U.S. EPA ID Number 9A 826		7. Transporter 2 Company Name		U.S. EPA ID Number			
8. Designated Facility Name and Site Address Tonawanda Waste-to-Energy Facility 795 East Park Drive Tonawanda New York 14150 716-285-3920		U.S. EPA ID Number 872		Facility's Phone:					
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.				
		No.	Type						
1. Non RCRA, Non D.O.T. Regulated Material, Soil (NUS)		001	T						
2.									
3.									
4.									
13. Special Handling Instructions and Additional Information									
Emergency Contact: Ensol. Inc. Rick Rozneale				Weight Ticket No. 129461					
Ensol. Inc. Project ID Number: 12-3474-855				Gross Weight: 68600					
Truck ID: P-371				Tare Weight: 27500					
Truck Lic.: 									
Handling Codes: 									
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.									
Generator's/Offoror's Printed/Typed Name Caroline Burcaudi, Project for Everson/Pariso LLC				Signature Carl B. M.		Month 11		Day 19	
15. International Shipments: ☐ Import to U.S. ☐ Export from U.S.		Port of entry/exit:		Date leaving U.S.:					
16. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name John Murray				Signature John Murray		Month 11		Day 19	
Transporter 2 Printed/Typed Name				Signature		Month		Day	
17. Discrepancy									
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection									
Item #13 Estimated. Actual Weight = 20.587W									
17b. Alternate Facility (or Generator)				Manifest Reference Number: 449985		U.S. EPA ID Number			
Facility's Phone:									
17c. Signature of Alternate Facility (or Generator)						Month		Day	
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a									
Printed/Typed Name Mark				Signature Mark		Month		Day	

PARISO LOGISTICS, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEM TRI-AXLES DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET # **P129963**

CUSTOMER NAME

DATE

TIME

JOB #

SHIP TO

GROSS _____ POUNDS

TARE _____ POUNDS

NET _____ POUNDS

PRODUCT _____

WEIGHMASTER: PARISO LOGISTICS, INC.

S. RAWE / E. RAWE

N.Y.S. LICENSE #140331 / 601381

WEIGHED BY _____

TRUCK NO. _____ TRUCKING CO.: _____

TRUCKER'S
SIGNATURE

CUSTOMER'S

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N/A		2. Page 1 of		3. Emergency Response Phone 716-285-4030		4. Waste Tracking Number EE-000055	
		5. Generator's Name and Mailing Address Emerson Huron, LLC c/o McGuire Dev., 455 Cayuga Rd, Suite 100, Buffalo NY 14225 Generator's Phone: 716-829-1980		Generator's Site Address (if different than mailing address) Emerson School of Hospitality II, 75 W. Huron Street, Buffalo NY 14202, Mark Wandling					
6. Transporter 1 Company Name Pariso Logistics		7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address Tonawanda Bioremediation Facility 795 East Park Drive Tonawanda New York 14150 Facility's Phone: 716-285-4030		U.S. EPA ID Number N/A							
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity		12. Unit Wt./Vol.			
		No.	Type						
1. Non HCRA, Non D.O.T. Regulated Material, Soil (PCS), , ,		001 T				T			
2.									
3.									
4.									
13. Special Handling Instructions and Additional Information									
Emergency Contact: Ensol. Inc. Nick Horreale Ensol. Inc. License ID Number: 19-3476-035 Truck ID: P-40 Truck Lic.: 62341 ML Ticket No.: 129963 Weight: 74,300 Weight: 28,560									
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.									
Generator's Offeror's Printed/Typed Name: Caroline Burrows; Agent for Emerson Huron, LLC Signature: Carl B... Month: 11 Day: 19 Year: 18									
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:									
16. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name: Chris Garber Signature: Chris Garber Month: 11 Day: 19 Year: 18									
Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:									
17. Discrepancy									
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ R Item #13 Estimated. Actual Weight = 22.87 Manifest									
17b. Alternate Facility (or Generator) U.S. EPA ID Number									
Facility's Phone:									
17c. Signature of Alternate Facility (or Generator) Month: Day: Year:									
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a									
Printed/Typed Name: Mark Anders Signature: Mark Anders Month: 11 Day: 19 Year: 18									

PARISO LOGISTICS, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEM TRI-AXLES DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET # **P129964**

CUSTOMER NAME

DATE
TIME

JOB #

SHIP TO

GROSS 27,000 LB POUNDS
TARE 10,000 LB POUNDS
NET 17,000 LB POUNDS

PRODUCT

WEIGHMASTER: PARISO LOGISTICS, INC.

S. RAWE / E. RAWE

N.Y.S. LICENSE #140331 / 601381

WEIGHED BY *[Signature]*

TRUCK NO. *251*

TRUCKING CO.: *121*

TRUCKER'S
SIGNATURE

[Signature]

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

E/A

2. Page 1 of

3. Emergency Response Phone

716-285-3926

4. Waste Tracking Number

ES-449987

5. Generator's Name and Mailing Address

Emerson Huron, LLC c/o McGuire Dev., , 655
Cayuga Rd, Suite 100, , Buffalo NY 14225,

Generator's Site Address (if different than mailing address)

Emerson School of Hospitality II, , 75 W.
Huron Street, , Buffalo NY 14202, Mark
Wendling

Generator's Phone:

716-829-1980

6. Transporter 1 Company Name

Pariso Logistics
716-875-5152

Pariso #37

U.S. EPA ID Number

9A 826

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Tonawanda Bioremediation Facility
795 East Park Drive
Tonawanda New York 14150

U.S. EPA ID Number

E/A

Facility's Phone:

716-285-3926

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity12. Unit
Wt./Vol.1. Non RCRA, Non D.O.T. Regulated Material, Soil
(MCS), , , ,

001

T

3

2. , , ,

3. , , ,

4. , , ,

13. Special Handling Instructions and Additional Information

Emergency Contact: Ensol. Inc. Nick Murraale

Ensol. Inc. Project ID Number: 18-3476-05B

Truck ID: P-57

Truck Lic.:

Handling Codes:

Weight Ticket No.:

Gross Weight:

Tare Weight:

12/16/18
76420
27500

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offor's Printed/Typed Name

Signature

Caroline Bukachuk, Agent for Emerson Huron, LLC

CL BIL

Month Day Year

11 19 18

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

John Murray

John Murray

Month Day Year

11 19 18

Transporter 2 Printed/Typed Name

Signature

Month Day Year

11 19 18

17. Discrepancy

17a. Discrepancy Indication Space

☐ Quantity☐ Type☐ Residue☐ Partial Rejection☐ Full Rejection

Item #13 Estimated. Actual Weight = 74.46

Manifest Reference Number:

449987

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Mark Andrus

Month Day Year

11 19 18

PARISO LOGISTICS, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEM TRI-AXLES DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET #

P129966

CUSTOMER NAME

DATE

TIME

JOB #

SHIP TO

GROSS

TARE

NET

POUNDS

POUNDS

POUNDS

PRODUCT

WEIGHMASTER: PARISO LOGISTICS, INC.

S. RAWE / E. RAWE

N.Y.S. LICENSE #140331 / 601381

WEIGHED BY

TRUCK NO.

TRUCKING CO.:

TRUCKER'S
SIGNATURE

CUSTOMER 2

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N/A	2. Page 1 of	3. Emergency Response Phone 716-285-3970	4. Waste Tracking Number ES-400987
5. Generator's Name and Mailing Address Emerson Hixon, LLC c/o McGuire Dev., , 455 Cayuga Rd, Suite 100, Buffalo NY 14225, Generator's Phone: 716-824-1988					
Generator's Site Address (if different than mailing address) Emerson School of Hospitality II, , 75 W. Hixon Street, , Buffalo NY 14202, Nark: Emerson					
6. Transporter 1 Company Name Pariso Logistics 716 875 8100				U.S. EPA ID Number 9A 826	
7. Transporter 2 Company Name PANSD #40				U.S. EPA ID Number	
8. Designated Facility Name and Site Address Tonawanda Bio remediation Facility 795 East Park Drive Tonawanda New York 14150 Facility's Phone: 716-285-3970				U.S. EPA ID Number N/A	
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1. Non RCRA, Non D.O.T. Regulated Material, Soil (PCS), , ,		001	7		
2. , , ,					
3. , , ,					
4. , , ,					
13. Special Handling Instructions and Additional Information Emergency Contact: Ensol, Inc. Rick Morreale Ensol, Inc. Project ID Number: 18-1476-050 Truck ID: P-40 Truck Lic.: 62341-MK Weight Ticket No.: 129966 Gross Weight: 29,440 Tare Weight: 28,560					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offor's Printed/Typed Name Caroline Pukalski, Agent for Emerson Hixon, LLC		Signature [Signature]		Month Day Year 11 19 18	
15. International Shipments ☐ Import to U.S. ☐ Export from U.S.		Port of entry/exit: Date leaving U.S.:			
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name Chris Garkles		Signature [Signature]		Month Day Year 11 19 18	
Transporter 2 Printed/Typed Name		Signature		Month Day Year	
17. Discrepancy					
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection Item #13 Estimated. Actual Weight = 20.44					
17b. Alternate Facility (or Generator)				Manifest Reference Number: 442288 U.S. EPA ID Number	
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)				Month Day Year	
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name Alicia Adams		Signature [Signature]		Month Day Year 11 19 18	

PARISO LOGISTICS, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEMS TRI-AXLES DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET # **P129971**

CUSTOMER NAME

DATE

TIME

JOB #

SHIP TO

GROSS	1000	11	POUNDS
TARE	1000	11	POUNDS
NET	1000	11	POUNDS

PRODUCT

WEIGHMASTER: PARISO LOGISTICS, INC.

S. RAWE / E. RAWE

N.Y.S. LICENSE #140331 / 601381

WEIGHED BY

TRUCK NO.

TRUCKING CO.:

TRUCKER'S
SIGNATURE

CUSTOMER 2

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number P/A		2. Page 1 of		3. Emergency Response Phone 716-285-3920		4. Waste Tracking Number 78-449990	
		5. Generator's Name and Mailing Address Emerson Huron, LLC c/o McGuire Dev., , 455 Cayuga Rd., Suite 100, , Buffalo NY 14225. Generator's Phone: 716-285-1900		Generator's Site Address (If different than mailing address) Emerson School of Hospitality II, , 75 W. Huron Street, , Buffalo NY 14202, Mark Wendling					
6. Transporter 1 Company Name Paris Logistics 716-875-6100		Paris #40				U.S. EPA ID Number 9A 826			
7. Transporter 2 Company Name						U.S. EPA ID Number			
8. Designated Facility Name and Site Address Tonawanda Bioremediation Facility 795 East Park Drive Tonawanda New York 14150 Facility's Phone: 716-285-3920		U.S. EPA ID Number N/A							
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity		12. Unit Wt./Vol.			
		No.	Type						
1. Non RCRA, Non D.D.T. Regulated Material, Soil (PCR)		001 T				T			
2.									
3.									
4.									
13. Special Handling Instructions and Additional Information Emergency Contact: Ensol. Inc. Nick Monteleone Ensol. Inc. Project ID Number: 18-3478-038 Truck ID: EVMS P-41 Truck Lic.: BROWNMAN P5571-MIS Weight Ticket No.: 129971 Gross Weight: 68780 Tare Weight: 37900									
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.									
Generator's/Offeror's Printed/Typed Name Caroline Bukowski, Agent for Emerson Huron LLC		Signature Carl Bell				Month Day Year 11 19 18			
15. International Shipments ☐ Import to U.S. ☐ Export from U.S.		Port of entry/exit: Date leaving U.S.:							
16. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name John Murray		Signature John Murray				Month Day Year 11 19 18			
Transporter 2 Printed/Typed Name		Signature				Month Day Year			
17. Discrepancy									
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection Item #13 Estimated. Actual Weight = 20.61 Manifest Reference Number: 449990									
17b. Alternate Facility (or Generator)		U.S. EPA ID Number							
Facility's Phone:									
17c. Signature of Alternate Facility (or Generator)		Month Day Year							
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a									
Printed/Typed Name Mark Adams		Signature Mark Adams				Month Day Year 11 19 18			

PARISO LOGISTICS, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEMS TRI-AXLES DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET # P129972

C NAME

DATE

TIME

JOB #

SHIP TO

GROSS POUNDS

TARE POUNDS

NET POUNDS

PRODUCT _____

WEIGHMASTER: PARISO LOGISTICS, INC.

S. RAWE / E. RAWE

N.Y.S. LICENSE #140331 / 601381

WEIGHED BY _____

TRUCK NO. 11 TRUCKING CO.: 111

TRUCKER'S
SIGNATURE

1/13/00
CUSTOMER 2

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N/A	2. Page 1 of	3. Emergency Response Phone 716-285-3920	4. Waste Tracking Number ES-450491
5. Generator's Name and Mailing Address Emerson Huxon, LLC c/o McGuire Dev., , 455 Cayuga Rd, Suite 100, , Buffalo NY 14225,			Generator's Site Address (if different than mailing address) Emerson School of Hospitality II, , 75 W. Huxon Street, , Buffalo NY 14202, Mark Wendling		
Generator's Phone: 716-829-1903			U.S. EPA ID Number 9A 826		
6. Transporter 1 Company Name Pariso Logistics 716-825-6168			U.S. EPA ID Number		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address Tonawanda Bio Remediation Facility 795 East Park Drive Tonawanda New York 14150			U.S. EPA ID Number N/A		
Facility's Phone: 716-285-3920					
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1. Non RCRA, Non D.O.T. Regulated Material, Soil (PCS)		001	T		T
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information					
Ensol, Inc. Project ID Number: 18-3476-050 Truck ID: 18-12-40 Truck Lic: 85571-HJ Handling Codes: Weight Ticket No: 128272 Gross Weight: 22,340 Tare Weight: 27,570					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offor's Printed/Typed Name Caroline Bikowski, Agent for Emerson Huxon LLC			Signature <i>Caroline Bikowski</i>		Month Day Year 11 20 18
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name John Murray			Signature <i>John Murray</i>		Month Day Year 11 20 18
Transporter 2 Printed/Typed Name			Signature		Month Day Year
17. Discrepancy					
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection					
Item #13 Estimated. Actual Weight = 22.37 Manifest Reference Number: 146507					
17b. Alternate Facility (or Generator) U.S. EPA ID Number					
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator) Month Day Year					
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name Mark Andrews			Signature <i>Mark Andrews</i>		Month Day Year 11 20 18

PARISO LOGISTICS, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEM TRI-AXLES DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET # **P129973**

CUSTOMER NAME

DATE
TIME

JOB #

SHIP TO

GROSS	11,100.00	POUNDS
TARE	1,100.00	POUNDS
NET	10,000.00	POUNDS

PRODUCT _____

WEIGHMASTER: PARISO LOGISTICS, INC.

S. RAWE / E. RAWE

N.Y.S. LICENSE #140331 / 601381

WEIGHED BY _____

TRUCK NO. _____ TRUCKING CO.: _____

TRUCKER'S
SIGNATURE

Hos

CUSTOMER 2

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N/A	2. Page 1 of	3. Emergency Response Phone 716-265-3920	4. Waste Tracking Number ES-448002
5. Generator's Name and Mailing Address Emerson Huron, LLC c/o McGuire Dev., , 455 Cayuga Rd, Suite 100, Buffalo NY 14225,			Generator's Site Address (if different than mailing address) Emerson School of Hospitality II, , 75 W. Huron Street, , Buffalo NY 14202, Mark: Wendling		
Generator's Phone: 716-820-1980					
6. Transporter 1 Company Name Parco Logistics			U.S. EPA ID Number 9A 826		
7. Transporter 2 Company Name PAVISO # 41			U.S. EPA ID Number		
8. Designated Facility Name and Site Address Tonawanda Bio remediation Facility 795 East Park Drive Tonawanda New York 14150			U.S. EPA ID Number N/A		
Facility's Phone: 716-265-3920					
9. Waste Shipping Name and Description		10. Containers		11. Total	12. Unit
		No.	Type	Quantity	Wt./Vol.
1. Non RCRA, Non D.O.T. Regulated Material, Soil (PCS), ,		001	T		T
2. , , ,					
3. , , ,					
4. , , ,					
13. Special Handling Instructions and Additional Information Emergency Contact: Ensol. Inc. Rick Morroneale Ensol. Inc. Project ID Number: 15-3676-050 Truck ID: P-41 Truck Lic: 65571-AJ Weight Ticket No: 129973 Gross Weight: 80,320 Tare Weight: 27,560					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offor's Printed/Typed Name Caroline B. Kulesh Agent for Emerson Huron					
Signature <i>Caroline B. Kulesh</i>					
Month Day Year 11 20 17					
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name Chris Gorkan			Signature <i>Chris Gorkan</i>		Month Day Year 11 20 18
Transporter 2 Printed/Typed Name			Signature		Month Day Year
17. Discrepancy					
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection					
Item #13 Estimated. Actual Weight = 26.38					
Manifest Reference Number: 448002					
17b. Alternate Facility (or Generator) U.S. EPA ID Number					
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator) Month Day Year					
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name Mark Andelis			Signature <i>Mark Andelis</i>		Month Day Year 11 20 18

PARISO LOGISTICS, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEM TRI-AXLES DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET #

P129974

CUSTOMER NAME

DATE

TIME

JOB #

SHIP TO

GROSS

TARE

NET

70700 10
27500 10 POUNDS
43200 10 POUNDS
21200 10 POUNDS

PRODUCT

WEIGHMASTER: PARISO LOGISTICS, INC.

S. RAWE / E. RAWE

N.Y.S. LICENSE #140331 / 601381

WEIGHED BY

TRUCK NO.

TRUCKING CO.:

TRUCKER'S
SIGNATURE

CUSTOMER 2

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N/A	2. Page 1 of	3. Emergency Response Phone 716-265-3920	4. Waste Tracking Number ES-449993
5. Generator's Name and Mailing Address Emerson Huron, LLC c/o McGuire Dev., 455 Cayuga Rd, Suite 100, Buffalo NY 14225,			Generator's Site Address (if different than mailing address) Emerson School of Hospitality II, 75 W. Huron Street, Buffalo NY 14202, Marie Wendling		
Generator's Phone: 716-829-1900					
6. Transporter 1 Company Name Pariso Logistics 716-875-5150			U.S. EPA ID Number 9A 826		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address Townsend Bio Remediation Facility 795 East Park Drive Townsend New York 14150			U.S. EPA ID Number N/A		
Facility's Phone: 716-265-3920					
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Vol.
		No.	Type		
1. Non RCRA, Non D.O.T. Regulated Material, Soil (PCS)		001	T		T
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information					
Emergency Contact: Ensol, Inc. Nick Morelli Ensol, Inc. Project ID Number: 18-3476-050 Truck ID: P-008 17 Truck Lic.: 16W482-PC Handling Codes:					
Weight Ticket No.: 707814 Gross Weight: 207810 Tare Weight: 27560					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offor's Printed/Typed Name Caroline Bueckert, Agent for Emerson Huron LLC		Signature <i>Caroline Bueckert</i>		Month Day Year 11 20 18	
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name Pariso Logistics		Signature <i>Pariso Logistics</i>		Month Day Year 11 20 18	
Transporter 2 Printed/Typed Name		Signature		Month Day Year	
17. Discrepancy					
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection					
Item #13 Estimated. Actual Weight =					
17b. Alternate Facility (or Generator)		Manifest Reference Number:		U.S. EPA ID Number	
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)				Month Day Year	
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name Mark Adams		Signature <i>Mark Adams</i>		Month Day Year 11 20 18	

PARISO LOGISTICS, INC.

3649 RIVER ROAD
TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121
SCALE: (716) 875-0902

TANDEMS TRI-AXLES DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET # **P129975**

CUSTOMER NAME

DATE
TIME

JOB #

SHIP TO

GROSS 11 POUNDS
TARE 11 POUNDS
NET 11 POUNDS

PRODUCT _____

WEIGHMASTER: **PARISO LOGISTICS, INC.**
S. RAWE / E. RAWE
N.Y.S. LICENSE #140331 / 601381

WEIGHED BY k

TRUCK NO. 11 TRUCKING CO.: _____

TRUCKER'S
SIGNATURE

 1235
CUSTOMER 2

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

N/A

2. Page 1 of

3. Emergency Response Phone

716-265-3920

4. Waste Tracking Number

ES-140004

5. Generator's Name and Mailing Address

Emerson Huron, LLC c/o McGuire Dev., , 455
Cayuga Rd, Suite 100, , Buffalo NY 14225,

Generator's Site Address (if different than mailing address)

Emerson School of Hospitality II, , 75 W.
Huron Street, , Buffalo NY 14202, Mark
Wandling

Generator's Phone:

716-829-1000

6. Transporter 1 Company Name

Pariso Logistics

Pariso # 410 41

U.S. EPA ID Number

9A 625

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Tonawanda Bioremediation Facility
795 East Park Drive
Tonawanda New York 14150

U.S. EPA ID Number

N/A

Facility's Phone:

716-285-3028

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity

12. Unit
WT./Vol.

1. Non RCRA, Non D.O.T. Regulated Material, Soil
(PCS), , ,

RR1

T

T

2. , , ,

3. , , ,

4. , , ,

13. Special Handling Instructions and Additional Information

Emergency Contact: Ensol. Inc. Wick Morzeale
Ensol. Inc. Project ID Number: 18-3476-058
Truck ID: P-41
Truck Lic.: 85571-MJ

Weight Ticket No.:

129925
66.200
27.560

Gross Weight:

Tare Weight:

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offor's Printed/Typed Name

Signature

Caroline Rukowski, Agent for Emerson Huron LLC

CEL BELL

Month Day Year

11 20 19

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Chris Garber

Chris Garber

Month Day Year

11 20 18

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

☐ Quantity

☐ Type

☐ Residue

☐ Partial Rejection

☐ Full Rejection

Item #13 Estimated. Actual Weight = 19.32

Manifest Reference Number:

140004

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Mark Adams

Mark Adams

Month Day Year

11 20 18

PARISO LOGISTICS, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEM

TRI-AXLES

DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET # **P129976**

CUSTOMER NAME

DATE

TIME

JOB #

SHIP TO

GROSS POUNDS

TARE POUNDS

NET POUNDS

PRODUCT _____

WEIGHMASTER: PARISO LOGISTICS, INC.

S. RAWE / E. RAWE

N.Y.S. LICENSE #140331 / 601381

WEIGHED BY _____

TRUCK NO. _____ TRUCKING CO.: _____

TRUCKER'S
SIGNATURE

CUSTOMER 2

NON-HAZARDOUS WASTE MANIFEST
1. Generator ID Number: N/A
2. Page 1 of
3. Emergency Response Phone: 716-285-3920
4. Waste Tracking Number: EM-449945
5. Generator's Name and Mailing Address: Emerson Hudson, LLC c/o McGuire Dev., 455 Cayuga Rd, Suite 100, Buffalo NY 14225
Generator's Site Address (if different than mailing address): Emerson School of Hospitality II, 75 W. Huron Street, Buffalo NY 14202, Mark Wendling
Generator's Phone: 716-829-1900
6. Transporter 1 Company Name: Pariso Logistics 716-875-6108 PARISO #17
U.S. EPA ID Number: 9A 925
7. Transporter 2 Company Name:
U.S. EPA ID Number:
8. Designated Facility Name and Site Address: Tonawanda Bioremediation Facility 795 East Park Drive Tonawanda New York 14150
U.S. EPA ID Number: N/A
Facility's Phone: 716-285-3920
9. Waste Shipping Name and Description: Non RCRA, Non D.O.T. Regulated Material, Soil (PCS)
10. Containers: No. 1, Type T
11. Total Quantity:
12. Unit: T
13. Special Handling Instructions and Additional Information: Emergency Contact: Ensof. Inc. Nick Morisale Ensof. Inc. Project ID Number: 18-3476-050 Weight Ticket No.: 449945 Gross Weight: 75720 Tare Weight: 12560
Truck ID: P-17
Truck Lic.: 166452 PC
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.
Generator's/Offoror's Printed/Typed Name: Caroline B... Agent for Emerson Hudson, LLC Signature: [Signature] Month: 11 Day: 20 Year: 18
15. International Shipments: [] Import to U.S. [] Export from U.S. Port of entry/exit: Date leaving U.S.:
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: [Signature] Signature: [Signature] Month: 11 Day: 20 Year: 18
Transporter 2 Printed/Typed Name: [Signature] Signature: [Signature] Month: Day: Year:
17. Discrepancy
17a. Discrepancy Indication Space: [] Quantity [] Type [] Residue [] Partial Rejection [] Full Rejection
Item #13 Estimated. Actual Weight = Manifest Reference Number: 849045
17b. Alternate Facility (or Generator) U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) Month: Day: Year:
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Mark Adams Signature: [Signature] Month: 11 Day: 20 Year: 18

PARISO LOGISTICS, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEM TRI-AXLES DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET # **P129986**

CUSTOMER NAME

DATE

TIME

JOB #

SHIP TO

GROSS POUNDS

TARE POUNDS

NET POUNDS

PRODUCT _____

WEIGHMASTER: PARISO LOGISTICS, INC.

S. RAWE / E. RAWE

N.Y.S. LICENSE #140331 / 601381

WEIGHED BY _____

TRUCK NO. _____

TRUCKING CO.: _____

TRUCKER'S
SIGNATURE

CUSTOMER 2

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N/A	2. Page 1 of	3. Emergency Response Phone 716-285-3570	4. Waste Tracking Number E2-449006
5. Generator's Name and Mailing Address Emerson Huron, LLC c/o McGuire Dev., 455 Cayuga Rd, Suite 100, Buffalo NY 14225, Generator's Phone: 716-280-1000			Generator's Site Address (if different than mailing address) Emerson School of Hospitality II, 75 W. Huron Street, Buffalo NY 14202, Marie Feeding		
6. Transporter 1 Company Name Pariso Logistics 716-875-6153			U.S. EPA ID Number 9A 626		
7. Transporter 2 Company Name 716-875-6153			U.S. EPA ID Number		
8. Designated Facility Name and Site Address Tonawanda Bioremediation Facility 795 East Park Drive Tonawanda New York 14150 Facility's Phone: 716-745-3020			U.S. EPA ID Number E/A		
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1. Non HCR, Non D.O.T. Regulated Material, Soil (PCS)		001	T		T
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information Emergency Contact: Ensol. Inc. Dick Borriello Ensol. Inc. Project ID Number: 10-3476-050 Truck ID: P-48 Truck Lic.: 31452-MK Weight Ticket No.: 25700 Gross Weight: Tare Weight:					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offor's Printed/Typed Name Caroline Bukowski, Agent for Emerson, Huron LLC			Signature 		Month Day Year 11 24 18
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name Adam Olson			Signature 		Month Day Year 11 21 18
Transporter 2 Printed/Typed Name			Signature		Month Day Year
17. Discrepancy					
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection Item #13 Estimated. Actual Weight =					
17b. Alternate Facility (or Generator)			Manifest Reference Number: 449995 U.S. EPA ID Number		
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator) Month Day Year					
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name Mark Anders			Signature 		Month Day Year 11 21 18

PARISO LOGISTICS, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEM

TRI-AXLES

DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET # **P129980**

CUSTOMER NAME

DATE

TIME

JOB #

SHIP TO

GROSS	11.00	POUNDS
TARE	11.00	POUNDS
NET	11.00	POUNDS

PRODUCT _____

WEIGHMASTER: PARISO LOGISTICS, INC.

S. RAWE / E. RAWE

N.Y.S. LICENSE #140331 / 601381

WEIGHED BY _____

TRUCK NO. _____ TRUCKING CO.: _____

TRUCKER'S
SIGNATURE

CUSTOMER 2

PARISO LOGISTICS, INC.

3649 RIVER ROAD
TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121
SCALE: (716) 875-0902

TANDEM TRI-AXLES DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET # **P129984**

CUSTOMER NAME

DATE
TIME

JOB #

SHIP TO

GROSS POUNDS
TARE POUNDS
NET POUNDS

PRODUCT

WEIGHMASTER: PARISO LOGISTICS, INC.
S. RAWE / E. RAWE
N.Y.S. LICENSE #140331 / 601381

WEIGHED BY

TRUCK NO.

TRUCKING CO.:

TRUCKER'S
SIGNATURE

CUSTOMER 2

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number
N/A

2. Page 1 of

3. Emergency Response Phone
716-285-3928

4. Waste Tracking Number
FC-640008

5. Generator's Name and Mailing Address
Emerson Huron, LLC c/o McGuire Dev., , 485
Cayuga Rd, Suite 100, , Buffalo NY 14225,
Generator's Phone: 716-285-1900

Generator's Site Address (if different than mailing address)
Emerson School of Hospitality II, , 75 W.
Huron Street, , Buffalo NY 14202, Mark
Handling

6. Transporter 1 Company Name
Pariso Logistics
716-275-6250

U.S. EPA ID Number
9A 626

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Tonawanda Bioremediation Facility
795 East Park Drive
Tonawanda New York 14150
Facility's Phone: 716-285-3928

U.S. EPA ID Number
N/A

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

1. Non RCRA, Non D.O.T. Regulated Material, Soil (PCS), , ,

2.

3.

4.

13. Special Handling Instructions and Additional Information
Emergency Contact: Ensol. Inc. Rick Morreale
Ensol. Inc. Project ID Number: 18-3476-035
Truck ID: P-17
Truck Lic.:
Weight Ticket No.:
Gross Weight:
Tare Weight:

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeor's Printed/Typed Name
Mark B. Harris Agent for Emerson LLC

Signature
[Signature]

Month
11

Day
21

Year
18

15. International Shipments

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name
Alex Lasparzik

Signature
[Signature]

Month
11

Day
21

Year
18

Transporter 2 Printed/Typed Name

Signature

Month

Day

Year

17. Discrepancy

17a. Discrepancy Indication Space

Item #13 Estimated. Actual Weight =

Manifest Reference Number:

U.S. EPA ID Number
245358

17b. Alternate Facility (or Generator)

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month

Day

Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Mark Harris

Signature
[Signature]

Month
11

Day
21

Year
18

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

PARISO LOGISTICS, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEM TRI-AXLES DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET # **P129988**

CUSTOMER NAME

DATE
TIME

JOB #

SHIP TO

GROSS	POUNDS
TARE	POUNDS
NET	POUNDS

PRODUCT _____

WEIGHMASTER: PARISO LOGISTICS, INC.

S. RAWE / E. RAWE

N.Y.S. LICENSE #140331 / 601381

WEIGHED BY _____

TRUCK NO. _____ TRUCKING CO.: _____

TRUCKER'S
SIGNATURE

CUSTOMER'S

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

N/A

2. Page 1 of

3. Emergency Response Phone

716-205-5910

4. Waste Tracking Number

ES-149000

5. Generator's Name and Mailing Address

Emerson Huxon, LLC c/o McGuire Dev., , 455
Cayuga Rd, Suite 100, , Buffalo NY 14225,

Generator's Site Address (if different than mailing address)

Emerson School of Hospitality II, , 75 W.
Huxon Street, , Buffalo NY 14202, North
Wendling

Generator's Phone:

716-829-1900

6. Transporter 1 Company Name

Parisio Logistics

716-875-0163

Parisio #17

U.S. EPA ID Number

9A 026

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Tonawanda Bioremediation Facility

795 East Park Drive

Tonawanda, New York 14150

U.S. EPA ID Number

N/A

Facility's Phone:

716-205-3920

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity12. Unit
Wt./Vol.1. Non RCRA, Non D.O.T. Regulated Material, Soil
(PCS), , ,

001

T

7

2. , , ,

3. , , ,

4. , , ,

13. Special Handling Instructions and Additional Information

Emergency Contact: Ensol. Inc. Nick Morreale

Ensol. Inc. Project ID Number: 18-3476-050

Truck ID:

P-17

Truck Lic.:

66452-PC

Weights Ticks No.:

Gross Weights:

Tare Weights:

17565

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offor's Printed/Typed Name

Signature

Col BIL

Month Day Year

11 21 18

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

A Kasprut

Month Day Year

11 21 18

Transporter 2 Printed/Typed Name

Signature

Month Day Year

11 21 18

17. Discrepancy

17a. Discrepancy Indication Space

☐ Quantity☐ Type☐ Residue☐ Partial Rejection☐ Full Rejection

Item #15 Estimated Actual Weight =

Manifest Reference Number:

449000

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Nick Anker

Signature

N/A

Month Day Year

11 21 18

PARISO LOGISTICS, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEM

TRI-AXLES

DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET #

P129996

CUSTOMER NAME

DATE

TIME

JOB #

SHIP TO

GROSS

POUNDS

TARE

POUNDS

NET

POUNDS

PRODUCT

WEIGHMASTER: PARISO LOGISTICS, INC.

S. RAWE / E. RAWE

N.Y.S. LICENSE #140331 / 601381

WEIGHED BY

TRUCK NO.

TRUCKING CO.:

TRUCKER'S
SIGNATURE

CUSTOMER'S

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N/A		2. Page 1 of		3. Emergency Response Phone 716-265-3600		4. Waste Tracking Number EG-550000	
		5. Generator's Name and Mailing Address Emerson Buro, LLC c/o McGuire Dev., , 405 Cayuga Rd, Suite 100, , Buffalo NY 14225, Generator's Phone: 716-870-1500		Generator's Site Address (if different than mailing address) Emerson School of Hospitality II, , 75 W Huron Street, , Buffalo NY 14202, Mark Wentling					
6. Transporter 1 Company Name Petersen Logistics 716-870-5100		U.S. EPA ID Number 9A 7163							
7. Transporter 2 Company Name BTS #200 SERVICES		U.S. EPA ID Number							
8. Designated Facility Name and Site Address Tonawanda Bioremediation Facility 795 East Park Drive Tonawanda New York 14250 Facility's Phone: 716-265-3020		U.S. EPA ID Number N/A							
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.				
		No.	Type						
1. Vol. BULK H . D . T. Regulated Material, Soil (BFS)		001	T						
2.									
3.									
4.									
13. Special Handling Instructions and Additional Inform At Receiver's Facility: Encl. Inc. From Truck II: F Truck Lic.									
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.									
Generator's/Offor's Printed/Typed Name Caroline Baranski Agent for Emerson Buro		Signature Carl Bell		Month 11		Day 29		Year 18	
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:									
16. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name [Signature]		Signature B. Locke		Month 11		Day 29		Year 18	
Transporter 2 Printed/Typed Name		Signature		Month		Day		Year	
17. Discrepancy									
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection Item #13 Estimated. Actual Weight = Manifest Reference Number: 450000									
17b. Alternate Facility (or Generator)									
Facility's Phone:									
17c. Signature of Alternate Facility (or Generator) Month Day Year									
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a Printed/Typed Name Mark									

GENERATOR	NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N/A		2. Page 1 of		3. Emergency Response Phone 716-285-3910		4. Waste Tracking Number ED-450001			
	5. Generator's Name and Mailing Address Emerson Huxon, LLC c/o McGuire Dev., , 455 Cayuga Rd, Suite 100, , Buffalo NY 14225, Generator's Phone: 716-629-1900					Generator's Site Address (if different than mailing address) Emerson School of Hospitality II, , 78 W. Huxon Street, , Buffalo NY 14202, Mark Wendling						
	6. Transporter 1 Company Name Parkco Logistics 716-275-6163					U.S. EPA ID Number 9A-456 9A 763						
	7. Transporter 2 Company Name					U.S. EPA ID Number						
	8. Designated Facility Name and Site Address Tonawanda Discreediation Facility 795 East Park Drive Tonawanda New York 14150 Facility's Phone: 716-285-3920					U.S. EPA ID Number N/A						
	9. Waste Shipping Name and Description					10. Containers		11. Total Quantity		12. Unit Wt./Vol.		
						No. Type						
	1. Non RCRA, Non D.O.T. Regulated Material, Soil (ECS)					001 T				T		
	2.											
	3.											
4.												
TRANSPORTER	13. Special Handling Instructions and Additional Information Emergency Contact: Ensol. Inc. Nick Murrella Ensol. Inc. Project ID Number: 16-3476-055 Truck ID: <u>BTM9 BT5-700</u> Truck Lic.: <u>3W400446 85129-MJ</u> Handling Codes: <u> </u> Weight Ticket No.: <u> </u> Gross Weight: <u> </u> Tare Weight: <u> </u>											
	14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.											
	Generator's/Offor's Printed/Typed Name Caroline Bakow, Agent for Emerson Huxon, LLC					Signature C. Bakow		Month 11		Day 29		
	15. International Shipments ☐ Import to U.S. ☐ Export from U.S.					Port of entry/exit:		Year 18				
	Transporter Signature (for exports only):					Date leaving U.S.:						
	16. Transporter Acknowledgment of Receipt of Materials											
	Transporter 1 Printed/Typed Name Ben Lindke					Signature Ben Lindke		Month 11		Day 29		
	Transporter 2 Printed/Typed Name					Signature		Year 18				
	17. Discrepancy											
	17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection Item #13 Estimated Actual Weight = Manifest Reference Number: 450002											
DESIGNATED FACILITY	17b. Alternate Facility (or Generator)					U.S. EPA ID Number						
	Facility's Phone:											
	17c. Signature of Alternate Facility (or Generator)					Month 11		Day 29		Year 18		
	18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a											
Printed/Typed Name Matt Adams					Signature Matt Adams		Month 11		Day 29		Year 18	

PARISO LOGISTICS, INC.

3649 RIVER ROAD
TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121
SCALE: (716) 875-0902

TANDEM TRI-AXLES DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET # **P130003**

CUSTOMER NAME

DATE
TIME

JOB #

SHIP TO

GROSS POUNDS
TARE POUNDS
NET POUNDS

PRODUCT

WEIGHMASTER: PARISO LOGISTICS, INC.
S. RAWE / E. RAWE
N.Y.S. LICENSE #140331 / 601381

WEIGHED BY

TRUCK NO.

TRUCKING CO.:

TRUCKER'S
SIGNATURE

CUSTOMER 2

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N/A	2. Page 1 of	3. Emergency Response Phone 716-285-3020	4. Waste Tracking Number ES-450002
5. Generator's Name and Mailing Address Emerson Hixon, LLC c/o McGuire Dev., , 455 Cayuga Rd, Suite 100, , Buffalo NY 14225,			Generator's Site Address (if different than mailing address) Emerson School of Hospitality II, , 75 W. Hixon Street, , Buffalo NY 14202, Mark Handling		
Generator's Phone: 716-828-1000					
6. Transporter 1 Company Name Pariso Logistics			U.S. EPA ID Number 9A 763		
7. Transporter 2 Company Name BJS Services #200			U.S. EPA ID Number		
8. Designated Facility Name and Site Address Tonawanda Bioremediation Facility 795 East Park Drive Tonawanda New York 14150			U.S. EPA ID Number N/A		
Facility's Phone: 716-285-3920					
9. Waste Shipping Name and Description		10. Containers	11. Total Quantity	12. Unit Wt./Vol.	
		No.	Type		
1. Non RCRA, Non D.C.T. Regulated Material, Soil (PCS), , ,		001	T		T
2. . . .					
3. . . .					
4. . . .					
13. Special Handling Instructions and Additional Information					
Emergency Contact: Ensol. Inc. Rick Morreale Weight Ticket No.: P13003					
Ensol. Inc. Project ID Number: 18-3475-055 Gross Weight: 74505					
Truck ID: BJS-200 Tare Weight: 26100					
Truck Lic.: 85129-MJ					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offor's Printed/Typed Name Caroline Bukowski, Agent for Emerson Hixon LLC			Signature Carl B. H.		Month Day Year 11 29 18
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name Ben Linder			Signature [Signature]		Month Day Year 11 29 18
Transporter 2 Printed/Typed Name			Signature		Month Day Year
17. Discrepancy					
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection					
Item #13 Estimated. Actual Weight = 23.74 Manifest Reference Number: 150002					
17b. Alternate Facility (or Generator) U.S. EPA ID Number					
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator) Month Day Year					
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name Mark Adams			Signature [Signature]		Month Day Year 11 29 18

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

R/A

2. Page 1 of

3. Emergency Response Phone

716-285-3920

4. Waste Tracking Number

ES-450003

5. Generator's Name and Mailing Address

Emerson Huron, LLC c/o McGuire Dev., , 455
Cayuga Rd, Suite 100, , Buffalo NY 14225,

Generator's Site Address (if different than mailing address)

Emerson School of Hospitality II, , 73 W.
Huron Street, , Buffalo NY 14202, Mark
Wendling

Generator's Phone:

716-829-1900

6. Transporter 1 Company Name

Pariso Logistics

716-875-6152

PARISO #21

U.S. EPA ID Number

9A 826

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Tonawanda Bioremediation Facility
795 East Park Drive

Tonawanda New York 14150

U.S. EPA ID Number

R/A

Facility's Phone:

716-285-3920

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity12. Unit
Wt./Vol.1. Non RCRA, Non D.O.T. Regulated Material, Soil
(PCS)

801

T

T

2.

3.

4.

13. Special Handling Instructions and Additional Information

Emergency Contact: Ensol. Inc. Nick Norreale

Ensol. Inc. Project ID Number: 10-2476-65B

Truck ID:

P-21

Truck Lic.:

62187-M6

Weight Ticket No.:

880130004

Gross Weight:

62,620

Tare Weight:

25,600

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offor's Printed/Typed Name

Signature

Caroline B. Malinski, Agent for Emerson Huron LLC

C. B. Malinski

Month Day Year

11 29 18

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Chris Garben

Chris Garben

Month Day Year

11 29 18

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

☐ Quantity☐ Type☐ Residue☐ Partial Rejection☐ Full Rejection

Item #13 Estimated. Actual Weight = 17.51

Manifest Reference Number:

450003

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

11 29 18

450045

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number EPA	2. Page 1 of	3. Emergency Response Phone 716-885-3000	4. Waste Tracking Number
5. Generator's Name and Mailing Address Hurondel T., 77 West Huron Street, Buffalo NY 14207, James Jerga		Generator's Site Address (if different than mailing address) Emerson School of Hospitality, 77 West Huron Street, Buffalo NY 14207, James Jerga			
Generator's Phone: 716-887-8914		U.S. EPA ID Number PA-001 826			
6. Transporter 1 Company Name RLS Services Inc. PO 150# 40		U.S. EPA ID Number			
7. Transporter 2 Company Name 716-885-2000		U.S. EPA ID Number			
8. Designated Facility Name and Site Address Town of Tonawanda Landfill Closure East Park Road Tonawanda NY Facility's Phone: 716-885-3000		U.S. EPA ID Number EPA			
9. Waste Shipping Name and Description		10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.
1. Non RCRA, Non D.O.T. Regulated Material, ACM Soil (PCS)		1001 1"			
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information Emergency Contact: Ensol. Inc. Mick Morreale Ensol. Inc. Project ID Number: 10-0000-000 Truck ID: 40 Truck Lic.: 62341ML Weight Ticket No.: 129960 Gross Weight: 73,240 Tare Weight: 38,560 deleted input					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offor's Printed/Typed Name Caroline Bikowski, Agent for Hurondel T./Ensol. Inc.		Signature Carol B. L.		Month Day Year 11 19 18	
15. International Shipments ☐ Import to U.S. ☐ Export from U.S.		Port of entry/exit: Date leaving U.S.:			
16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Chris Garber Signature Month Day Year 11 19 18 Transporter 2 Printed/Typed Name Signature Month Day Year					
17. Discrepancy 17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection Item #13 Estimated. Actual Weight = 21.84 Manifest Reference Number: 17b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: 17c. Signature of Alternate Facility (or Generator) Month Day Year					
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a Printed/Typed Name Mark Anderson Signature Month Day Year 11 19 18					

CARMEN M. PARISO, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEM TRI-AXLES DUMP TRAILERS

VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES

CUSTOMER #

TICKET # **P104297**

CUSTOMER NAME

Milherst

DATE
TIME

11/10/18

DELIVERED

JOB #

PICKED UP

SHIP TO

Tim L/Fill

CUSTOMER P.O. #

GROSS

72,520

POUNDS

MATERIAL

TARE

20,360

POUNDS

HAULING

NET

44,160

POUNDS

TAX

22.45

TOTAL

PRODUCT

bottom soil

CODE

CUSTOMER
SIGNATURE

WEIGHMASTER: CARMEN M. PARISO
N.Y.S. LICENSE #140123

WEIGHED BY

TRUCK NO.

410

TRUCKING CO.:

TRUCKER'S
SIGNATURE

1/055

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N/A		2. Page 1 of		3. Emergency Response Phone 716-285-3970		4. Waste Tracking Number EG-419889	
		5. Generator's Name and Mailing Address Emerson Huron, LLC c/o McGuire Dev., 455 Cayuga Rd, Suite 100, Buffalo NY 14225, Generator's Phone: 716-829-1900				Generator's Site Address (if different than mailing address) Emerson School of Hospitality II, 75 W. Huron Street, Buffalo NY 14202, Marie Woodling			
6. Transporter 1 Company Name Pariso Logistics 716-478-6158		U.S. EPA ID Number GA 626				7. Transporter 2 Company Name		U.S. EPA ID Number	
8. Designated Facility Name and Site Address Tonawanda Bioremediation Facility 795 East Park Drive Tonawanda New York 14150 Facility's Phone: 716-285-3920		U.S. EPA ID Number N/A							
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity		12. Unit Wt./Vol.			
		No.	Type						
1. Non RCRA, Non D.U.T. Regulated Material, Soil (PCS), , ,		001 T							
2. , , ,									
3. , , ,									
4. , , ,									
13. Special Handling Instructions and Additional Information Emergency Contact: Ensol, Inc. Nick Morreale, Ensol, Inc. Project ID Number: 18-2476-050 Truck ID: <u>PARISO P-40</u> Truck Lic.: <u>NY62341-M4</u> Weight Ticket No.: <u>104297</u> Gross Weight: <u>73,520</u> Tare Weight: <u>28,560</u>									
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.									
Generator's/Offor's Printed/Typed Name Caroline B. Kusinski, Agent for Emerson Huron, LLC				Signature Carl Bell		Month 11		Day 20	
15. International Shipments		☐ Import to U.S.		☐ Export from U.S.		Port of entry/exit:		Date leaving U.S.:	
16. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name Chris Garben				Signature Chris Garben		Month 11		Day 20	
Transporter 2 Printed/Typed Name				Signature		Month		Day	
17. Discrepancy									
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection Item #13 Estimated. Actual Weight = 22.48									
17b. Alternate Facility (or Generator)				Manifest Reference Number:		U.S. EPA ID Number			
Facility's Phone:									
17c. Signature of Alternate Facility (or Generator)						Month		Day	
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a									
Printed/Typed Name Mark Andrus				Signature Mark Andrus		Month 11		Day 20	

PARISO LOGISTICS, INC.

3649 RIVER ROAD
TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEMS TRI-AXLES DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET # **P130049**

CUSTOMER NAME

DATE

TIME

JOB #

SHIP TO

GROSS	111	POUNDS
TARE	111	POUNDS
NET	111	POUNDS

PRODUCT _____

WEIGHMASTER: **PARISO LOGISTICS, INC.**
S. RAWE / E. RAWE
N.Y.S. LICENSE #140331 / 601381

WEIGHED BY _____

TRUCK NO. _____ TRUCKING CO.: _____

TRUCKER'S
SIGNATURE _____

CUSTOMER'S

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N/A	2. Page 1 of	3. Emergency Response Phone 716-285-3930	4. Waste Tracking Number ES-450024
5. Generator's Name and Mailing Address Emerson Huron, LLC c/o McGuire Dev., , 455 Cayuga Rd. Suite 100, , Buffalo NY 14225,			Generator's Site Address (if different than mailing address) Emerson School of Hospitality II, , 75 W. Huron Street, , Buffalo NY 14202, Mark Wendling,		
Generator's Phone: 716-829-1980					
6. Transporter 1 Company Name Pariso Logistics			U.S. EPA ID Number 9A-000 591		
7. Transporter 2 Company Name 716-073-6150			U.S. EPA ID Number		
8. Designated Facility Name and Site Address Tonawanda Bioremediation Facility 795 East Park Drive Tonawanda New York 14150			U.S. EPA ID Number N/A		
Facility's Phone: 716-285-3930					
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1. Non RCRA, Non D.D.T. Regulated Material, Soil (PCS), , ,		001	T		T
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information					
Emergency Contact: Ensol. Inc. Bill Morzeale			Weight Ticket No.: 130049		
Ensol. Inc. Project ID Number: 16-3476-058			Gross Weight: 8100 Lb		
Truck ID: 141			Tare Weight: 26800		
Truck Lic.: S3227 MT					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offor's Printed/Typed Name Carolyn Buldowski, Agent for Emerson/Huron LLC			Signature <i>[Signature]</i>		Month Day Year 12 11 18
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name 1711 on PLANK			Signature <i>[Signature]</i>		Month Day Year 12 11 18
Transporter 2 Printed/Typed Name			Signature		Month Day Year
17. Discrepancy					
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection					
Item #13 Estimated. Actual Weight = 2752					
17b. Alternate Facility (or Generator)			Manifest Reference Number: 450024 U.S. EPA ID Number		
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)			Month Day Year		
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name Mark Andary			Signature <i>[Signature]</i>		Month Day Year 12 11 18

PARISO LOGISTICS, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEMS

TRI-AXLES

DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET # **P130050**

CUSTOMER NAME

DATE
TIME

JOB #

SHIP TO

GROSS	11,000	11	POUNDS
TARE	2,000	11	POUNDS
NET	9,000	11	POUNDS

PRODUCT

WEIGHMASTER: PARISO LOGISTICS, INC.

S. RAWE / E. RAWE

N.Y.S. LICENSE #140331 / 601381

WEIGHED BY

TRUCK NO.

TRUCKING CO.:

TRUCKER'S
SIGNATURE

CUSTOMER 2

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

N/A

2. Page 1 of

3. Emergency Response Phone

716-285-3920

4. Waste Tracking Number

ES-450005

5. Generator's Name and Mailing Address

Emerson Huron, LLC c/o McGuire Dev., , 455
Cayuga Rd, Suite 100, , Buffalo NY 14225,

Generator's Site Address (if different than mailing address)

Emerson School of Hospitality II, , 75 W.
Huron Street, , Buffalo NY 14202, Mark
Wendling

Generator's Phone:

716-529-1900

6. Transporter 1 Company Name

Pariss Logistics

716-875-6166

#36

U.S. EPA ID Number

9A 826

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Tonawanda Bioremediation Facility

795 East Park Drive

Tonawanda New York 14150

U.S. EPA ID Number

N/A

Facility's Phone:

716-285-3920

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity12. Unit
Wt./Vol.1. Non RCRA, Non D.O.T. Regulated Material, Soil
(PCS), , ,

001

T

T

2. , , ,

3. , , ,

4. , , ,

13. Special Handling Instructions and Additional Information

Emergency Contact: Ensol. Inc. Rick Morreale

Ensol. Inc. Project ID Number: 16-3476-05B

Truck ID:

PL136

Truck Lic.:

53596-MH

Weight Ticket No.:

Gross Weight:

Tare Weight:

130050
27600
27600

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offor's Printed/Typed Name

Signature

Month Day Year

Caroline Bukowski, Agent for Emerson Huron LLC

C. B. M.

12 11 18

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Transporter Signature (for exports only):

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Mary PRATTIS

Mary Prattis

12 11 18

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

☐ Quantity☐ Type☐ Residue☐ Partial Rejection☐ Full Rejection

Item #13 Estimated. Actual Weight = 2256

Manifest Reference Number:

U.S. EPA ID Number 450005

17b. Alternate Facility (or Generator)

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

Mark Andrus

[Signatures]

12 11 18

PARISO LOGISTICS, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEM TRI-AXLES DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET # **P130052**

CUSTOMER NAME

DATE
TIME

JOB #

SHIP TO

GROSS	111	POUNDS
TARE	11	POUNDS
NET	100	POUNDS

PRODUCT _____

WEIGHMASTER: PARISO LOGISTICS, INC.

S. RAWE / E. RAWE

N.Y.S. LICENSE #140331 / 601381

WEIGHED BY _____

TRUCK NO. _____ TRUCKING CO.: _____

TRUCKER'S
SIGNATURE

CUSTOMER 2

NON-HAZARDOUS WASTE MANIFEST
1. Generator ID Number: N/A
2. Page 1 of
3. Emergency Response Phone: 716-285-3524
4. Waste Tracking Number: ES-450606
5. Generator's Name and Mailing Address: Emerson Huron, LLC c/o McGuire Dev., 455 Cayuga Rd., Suite 100, Buffalo NY 14225
Generator's Site Address (if different than mailing address): Emerson School of Hospitality IS, 75 W. Huron Street, Buffalo NY 14202, Mark Wendling
6. Transporter 1 Company Name: Pariso Logistics
Generator's Phone: 716-836-1000
7. Transporter 2 Company Name:
U.S. EPA ID Number: 9A 628 591
8. Designated Facility Name and Site Address: Tonawanda Bioremediation Facility, 795 East Park Drive, Tonawanda New York 14150
Facility's Phone: 716-285-3524
9. Waste Shipping Name and Description: 1. Non RCRA, Non D.O.T. Regulated Material, Soil (PCS),
10. Containers: No. 877, Type T
11. Total Quantity:
12. Unit Wt./Vol.: T
13. Special Handling Instructions and Additional Information: Emergency Contact: Ensol. Inc. Mick Morreale, Ensol. Inc. Project ID Number: 18-3476-05B, Truck ID: 11, Truck Lic.: 53227-MH, Weight Ticket No.: 130052, Gross Weight: 72440, Tare Weight: 26800
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.
Generator's/Offor's Printed/Typed Name: Caroline Bukowski, Agent for Emerson Huron, LLC
Signature: [Signature]
Month: 12, Day: 11, Year: 18
15. International Shipments: [] Import to U.S., [] Export from U.S., Port of entry/exit:
Date leaving U.S.:
Transporter Signature (for exports only):
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: [Signature]
Signature: [Signature]
Month: 12, Day: 11, Year: 18
Transporter 2 Printed/Typed Name:
Signature:
Month: , Day: , Year:
17. Discrepancy
17a. Discrepancy Indication Space: [] Quantity, [] Type, [] Residue, [] Partial Rejection, [] Full Rejection
Item #13 Estimated. Actual Weight = 22.82
Manifest Reference Number: 450094
17b. Alternate Facility (or Generator):
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Facility (or Generator):
Month: , Day: , Year:
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Mark Andrews
Signature: [Signature]
Month: 12, Day: 11, Year: 18

PARISO LOGISTICS, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEM TRI-AXLES DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET # **P130053**

CUSTOMER NAME

DATE
TIME

JOB #

SHIP TO

GROSS	POUNDS
TARE	POUNDS
NET	POUNDS

PRODUCT

WEIGHMASTER: PARISO LOGISTICS, INC.

S. RAWE / E. RAWE

N.Y.S. LICENSE #140331 / 601381

WEIGHED BY

TRUCK NO.

TRUCKING CO.:

TRUCKER'S
SIGNATURE

CUSTOMER 2

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N/A	2. Page 1 of	3. Emergency Response Phone 716-285-3920	4. Waste Tracking Number ES-450007
5. Generator's Name and Mailing Address Emerson Huron, LLC c/o McGuire Dev., , 455 Cayuga Rd, Suite 100, , Buffalo NY 14225, Generator's Phone: 716-829-1900			Generator's Site Address (if different than mailing address) Emerson School of Hospitality II, , 75 W. Huron Street, , Buffalo NY 14202, Mark Wandling		
6. Transporter 1 Company Name (Parire Logistics 716-875-6168 # 360 360			U.S. EPA ID Number 2A 826		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address Tonawanda Bio remediation Facility 795 East Park Drive Tonawanda New York 14150 Facility's Phone: 716-285-3920			U.S. EPA ID Number N/A		
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1. Non RCRA, Non D.O.T. Regulated Material, Soil (PCS) , , ,		001	T		T
2. , , ,					
3. , , ,					
4. , , ,					
13. Special Handling Instructions and Additional Information Emergency Contact: Ensol. Inc. High: Norreals Ensol. Inc. Property ID Number: 14-3476-055 Truck ID: 2156 Truck Lic.: 53596-M-1 Handling Codes: Weight Ticket No.: 130053 Gross Weight: 45220 Tare Weight: 67600					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offeror's Printed/Typed Name Caroline B. Kowski, Aysel H. Emerson Huron LLC		Signature Carl B. H.		Month 12	Day 11
15. International Shipments ☐ Import to U.S. ☐ Export from U.S.		Port of entry/exit: Date leaving U.S.:		Year 18	
16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Mary Pratt		Signature Mary Pratt		Month 12	Day 11
Transporter 2 Printed/Typed Name		Signature		Year 18	
17. Discrepancy 17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection Item #13 Estimated. Actual Weight = 8.86 Manifest Reference Number: 450007					
17b. Alternate Facility (or Generator) Facility's Phone:		U.S. EPA ID Number			
17c. Signature of Alternate Facility (or Generator)		Month Day Year			
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a Printed/Typed Name Mark Andrews					
Signature Mark Andrews		Month Day Year 12 11 18			

PARISO LOGISTICS, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEM TRI-AXLES DUMP TRAILERS

VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES

CUSTOMER #

TICKET # P130348

CUSTOMER NAME

DATE
TIME

02/06/2019
11:26AM

JOB #

SHIP TO

GROSS 60500 LB POUNDS
TARE 28900 LB POUNDS
NET 31600 LB POUNDS

PRODUCT

WEIGHMASTER: PARISO LOGISTICS, INC.

S. RAWE / E. RAWE

N.Y.S. LICENSE #140331 / 601381

WEIGHED BY

TRUCK NO.

TRUCKING CO.:

TRUCKER'S
SIGNATURE

GENERATOR	NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N/A		2. Page 1 of 2		3. Emergency Response Phone 716-875-1400		4. Waste Tracking Number 130348			
	5. Generator's Name and Mailing Address Emerson Huron, LLC c/o McGuire Dev., 455 Cayuga Rd, Suite 100, Buffalo NY 14225, Generator's Phone: 716-875-1400						Generator's Site Address (if different than mailing address) Emerson School of Hospitality II, 75 W. Huron Street, Buffalo NY 14202, Mark Mendicino					
	6. Transporter 1 Company Name Pariso Logistics						U.S. EPA ID Number GA 525					
	7. Transporter 2 Company Name 716-875-6155						U.S. EPA ID Number					
	8. Designated Facility Name and Site Address Tonawanda Bioremediation Facility 795 East Park Drive Tonawanda New York 14150 Facility's Phone: 716-285-3020						U.S. EPA ID Number N/A					
TRANSPORTER	9. Waste Shipping Name and Description 1. Non RCRA, Non D.O.T. Regulated Material, Soil (PCS), . . .						10. Containers		11. Total Quantity	12. Unit WL/Vol.		
							No.	Type				
DESIGNATED FACILITY	13. Special Handling Instructions and Additional Information Emergency Contact: En3cl. Inc. Nick Morreale 130348 En3cl. Inc. Proj. ID Number: 18-3476-05B Gross Weight: 63540 Truck ID: F Tare Weight: 28900 Truck Lic.: [blank]											
	14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.											
	Generator's/Offor's Printed/Typed Name X Josh Leddick						Signature <i>[Signature]</i>		Month 12		Day 14	
	15. International Shipments ☐ Import to U.S. ☐ Export from U.S.						Port of entry U.S.		Date leaving U.S. 12/15			
	Transporter Signature (for exports only):											
DESIGNATED FACILITY	16. Transporter Acknowledgment of Receipt of Materials											
	Transporter 1 Printed/Typed Name X Daniel March						Signature <i>[Signature]</i>		Month 12		Day 14	
	Transporter 2 Printed/Typed Name X						Signature		Month		Day	
17. Discrepancy												
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection Item #13 Estimated Actual Weight = 19.82 Manifest Reference Number 511215												
17b. Alternate Facility (or Generator)												
Facility's Phone.												
17c. Signature of Alternate Facility (or Generator)												
18. Designated Facility Owner or Operator: Cert												
Printed/Typed Name Mark						Signature <i>[Signature]</i>		Month 12		Day 14		

PARISO LOGISTICS, INC.

3649 RIVER ROAD
TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEMS TRI-AXLES DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET #

P130345

CUSTOMER NAME

DATE

TIME

JOB #

SHIP TO

GROSS 11: POUNDS

TARE 11: POUNDS

NET 11: POUNDS

PRODUCT

WEIGHMASTER: PARISO LOGISTICS, INC.
S. RAWE / E. RAWE
N.Y.S. LICENSE #140331 / 601381

WEIGHED BY

TRUCK NO.

TRUCKING CO.:

TRUCKER'S
SIGNATURE

CUSTOMER

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

N/A

2. Page 1 of

3. Emergency Response Phone

716-285-3920

4. Waste Tracking Number

ES-450000

5. Generator's Name and Mailing Address

Emerson Huxon, LLC c/o McGuire Dev., , 455
Capuga Rd, Suite 100, , Buffalo NY 14225,

Generator's Site Address (if different than mailing address)

Emerson School of Hospitality II, , 75 W.
Huron Street, , Buffalo NY 14202, Mark
Wendling

Generator's Phone:

716-629-1900

6. Transporter 1 Company Name

Parix Logistics

716-875-6168

U.S. EPA ID Number

9A 526

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Tonawanda Bioremediation Facility
795 East Paxie Drive

U.S. EPA ID Number

N/A

Tonawanda New York 14150

Facility's Phone:

716-285-3920

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total

Quantity

12. Unit

Wt./Vol.

1. Non RCRA, Non D.O.T. Regulated Material, Soil
(PCS), , ,

001

T

2.

3.

4.

13. Special Handling Instructions and Additional Information

Emergency Contact: Ensol. Inc. Rick Morreale

Ensol. Inc. Project ID Number: 18-3476-05D

Truck ID:

Truck License:

Handling Codes:

Weight Ticket No.:

Gross Weight:

Tare Weight:

130205
Ensol. Inc.
18-3476-05D

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Officer's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

☐ Quantity☐ Type☐ Residue☐ Partial Rejection☐ Full Rejection

Item #13 Estimated. Actual Weight = 15.63

Manifest Reference Number:

150000

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

PARISO LOGISTICS, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEM TRI-AXLES DUMP TRAILERS

VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES

CUSTOMER #

Milnerst

TICKET #

P130368

CUSTOMER NAME

Emerson Thruon LLC

DATE
TIME

09/18/2019
12:20PM

JOB #

Ton Landfill

SHIP TO

GROSS

62250 lb

POUNDS

TARE

39060 lb

POUNDS

NET

32400 lb

POUNDS

16.20 TH

PRODUCT

2" Crusher run EC

WEIGHMASTER: PARISO LOGISTICS, INC.

S. RAWE / E. RAWE

N.Y.S. LICENSE #140331 / 601381

WEIGHED BY

EP

TRUCK NO.

76

TRUCKING CO.:

Milnerst

TRUCKER'S
SIGNATURE

Swadlow

TRUCKER

AGM

GENERATOR
TRANSPORTER
DESIGNATED FACILITY

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number N/A	2. Page 1 of	3. Emergency Response Phone 716-285-3331	4. Waste Tracking Number EG-0550036
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5. Generator's Name and Mailing Address Emerson Huxon, LLC c/o McGuire Dev., 455 Cayuga Rd, Suite 100, Buffalo NY 14225 Generator's Phone: 716-874-1980	Generator's Site Address (if different than mailing address) Emerson School of Hospitality II, 71 W Huron Street, Buffalo NY 14202, Hook Working
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6. Transporter 1 Company Name Pariso Logistics 716-575-6158	U.S. EPA ID Number 9A 526
---	------------------------------

7. Transporter 2 Company Name	U.S. EPA ID Number
-------------------------------	--------------------

8. Designated Facility Name and Site Address Tonawanda Bioremediation Facility Landfill 795 East Park Drive Tonawanda New York 14150 Facility's Phone: 716-285-3336	U.S. EPA ID Number N/A
---	---------------------------

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt/Vol.	
	No.	Type			
1. Non HCSA, Non D.O.T. Regulated Material, Soil (SCS)	001	T		T	
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information Emergency Contact: EnSol. Inc. Rick Morreale EnSol. Inc. Project ID Number: 18-3475-085 Truck ID: Truck Lic.: Weight Ticket No.: 130368 Gross Weight: 62360 Tare Weight: 32400
--

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name X Josh Leddick	Signature Josh Leddick	Month 12	Day 15	Year 19
--	---------------------------	-------------	-----------	------------

15. International Shipments ☐ Import to U.S. ☐ Export from U.S.	Port of entry/exit: Date leaving U.S.:
---	---

16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name X Transporter 2 Printed/Typed Name	Signature William Swader Signature	Month 12	Day 15	Year 19
---	--	-------------	-----------	------------

17. Discrepancy 17a. Discrepancy Indication Space ☐ Quantity ☐ Type Item #13 Estimated. Actual Weight = 1620 ☐ Residue ☐ Partial Rejection ☐ Full Rejection	Manifest Reference Number: 453210
---	--------------------------------------

17b. Alternate Facility (or Generator) Facility's Phone:	U.S. EPA ID Number 453210
---	------------------------------

17c. Signature of Alternate Facility (or Generator)	Month 12	Day 15	Year 19
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18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a Printed/Typed Name Brian Cummings	Signature Brian Cummings	Month 12	Day 15	Year 19
--	-----------------------------	-------------	-----------	------------

PARISO LOGISTICS, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEM TRI-AXLES DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET # **P130341**

CUSTOMER NAME

DATE

TIME

JOB #

SHIP TO

GROSS	11,111	POUNDS
TARE	11,111	POUNDS
NET	11,111	POUNDS

PRODUCT _____

WEIGHMASTER: PARISO LOGISTICS, INC.

S. RAWE / E. RAWE

N.Y.S. LICENSE #140331 / 601381

WEIGHED BY _____

TRUCK NO. 75 TRUCKING CO.: _____

TRUCKER'S
SIGNATURE

CUSTOMER 2

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

N/A

2. Page 1 of

3. Emergency Response Phone

716-285-3920

4. Waste Tracking Number

EG-450011

5. Generator's Name and Mailing Address

Emerson Huron, LLC c/o McGuire Dev., 455
Capuya Rd, Suite 100, Buffalo NY 14225,

Generator's Site Address (if different than mailing address)

Emerson School of Hospitality II, 75 W.
Huron Street, Buffalo NY 14202, Mar:
Wendling

Generator's Phone:

716-875-1900

6. Transporter 1 Company Name

Pariso Logistics

716-875-6155

U.S. EPA ID Number

9A 626

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Tonawanda Bioremediation Facility

795 East Park Drive

Tonawanda New York 14150

U.S. EPA ID Number

N/A

Facility's Phone:

716-285-3920

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total

Quantity

12. Unit

Wt./Vol.

1.

Non RCRA, Non D.O.T. Regulated Material, Soil
(PCS), , ,

001

T

20

T

2.

3.

4.

13. Special Handling Instructions and Additional Information

Emergency Contact: Ensol. Inc. Nick Morreale

Ensol. Inc. Project ID Number: 18-3476-05B

Truck ID:

Truck Lic.:

Handling Code:

Weight Ticket No.:

Gross Weight:

Tare Weight:

130341
6740
29100
1632

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offor's Printed/Typed Name

Josh Ledwick

Signature

[Signature]

Month Day Year

2 5 19

15. International Shipments

☐

Import to U.S.

☐

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Daniel Martin

Signature

Daniel Martin

Month Day Year

2 5 19

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

☐

Quantity

☐

Type

☐

Residue

☐

Partial Rejection

☐

Full Rejection

Item #13 Estimated. Actual Weight = 1632

Manifest Reference Number:

U.S. EPA ID Number 450011

17b. Alternate Facility (or Generator)

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

[Signature]

Signature

Month Day Year

12 5 19

PARISO LOGISTICS, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEM TRI-AXLES DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET # **P130338**

CUSTOMER NAME

DATE

TIME

JOB #

SHIP TO

GROSS _____ POUNDS
TARE _____ POUNDS
NET _____ POUNDS

PRODUCT _____

WEIGHMASTER: **PARISO LOGISTICS, INC.**

S. RAWE / E. RAWE

N.Y.S. LICENSE #140331 / 601381

WEIGHED BY _____

TRUCK NO. _____ TRUCKING CO.: _____

TRUCKER'S
SIGNATURE

CUSTOMER 2

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

N/A

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

716-785-3920

ES-450017

5. Generator's Name and Mailing Address

Emerson Huron, LLC c/o McGuire Dev., , 455
Cayuga Ed, Suite 100, Buffalo NY 14225,

Generator's Site Address (if different than mailing address)

Emerson School of Hospitality II, , 75 W.
Huron Street, , Buffalo NY 14202, Mark
Wandling

Generator's Phone:

716-824-1900

6. Transporter 1 Company Name

Pariso Logistics

U.S. EPA ID Number

9A 626

7. Transporter 2 Company Name

716-824-1900

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Tonawanda Bioremediation Facility
785 East Park Drive
Tonawanda New York 14150

U.S. EPA ID Number

N/A

Facility's Phone:

716-265-3920

9. Waste Shipping Name and Description

10. Containers

11. Total

12. Unit

No.

Type

Quantity

Wt./Vol.

1. Non RCRA, Non D.O.T. Regulated Material, Soil
(PCS),

No.

Type

Quantity

Wt./Vol.

2.

3.

4.

13. Special Handling Instructions and Additional Information

Emergency Contact: Ensol. Inc. Nick Morreale

Ensol. Inc. Project ID Number: 18-3476-051

Truck ID:

Truck Lic:

Weight Ticket No.:

Gross Weight:

Tare Weight:

130338
5120
29100

11.017

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offor's Printed/Typed Name

Josh Leddick

Signature

Josh Leddick

Month Day Year
2 5 19

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

X Daniel Mark

Signature

X Daniel Mark

Month Day Year
2 5 19

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

☐ Quantity☐ Type☐ Residue☐ Partial Rejection☐ Full Rejection

Item #13 Estimated. Actual Weight = 11.01

17b. Alternate Facility (or Generator)

Manifest Reference Number:

U.S. EPA ID Number 450612

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

J. Mark

Signature

J. Mark

Month Day Year
2 5 19

PARISO LOGISTICS, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEMS

TRI-AXLES

DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET # P130373

CUSTOMER NAME

DATE
TIME

JOB #

SHIP TO

GROSS	100000	11	POUNDS
TARE	100000	11	POUNDS
NET	100000	11	POUNDS

PRODUCT

WEIGHMASTER: PARISO LOGISTICS, INC.
S. RAWE / E. RAWE
N.Y.S. LICENSE #140331 / 601381

WEIGHED BY

TRUCK NO.

TRUCKING CO.:

TRUCKER'S
SIGNATURE

AGM

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N/A	2. Page 1 of	3. Emergency Response Phone 716-285-3920	4. Waste Tracking Number ES-450013
5. Generator's Name and Mailing Address Emerson Huron, LLC c/o McGuire Dev., , 455 Cayuga Rd, Suite 100, , Buffalo NY 14225, Generator's Phone: 716-329-1900			Generator's Site Address (if different than mailing address) Emerson School of Hospitality II, , 75 W. Huron Street, , Buffalo NY 14202, Mark Wendling		
6. Transporter 1 Company Name Parisc Logistics 716-875-6168			U.S. EPA ID Number 9A 626		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address Tonawanda Remediation Facility Landfill 795 East Paris Drive Tonawanda New York 14150 Facility's Phone: 716-285-3920			U.S. EPA ID Number N/A		
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1. Non RCRA, Non D.O.T. Regulated Material, Soil (PCS), , ,		001	T	20	Y
2. , , ,					
3. , , ,					
4. , , ,					
13. Special Handling Instructions and Additional Information Emergency Contact: Ensol. Inc. High, Morrisville Ensol. Inc. Project ID Number: 18-3476-056 T Truck ID: Truck Lic.: Handling Code: Weight Ticket No.: 130373 Gross Weight: 58480 Tare Weight: 29560					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offor's Printed/Typed Name		Signature		Month	Day
X		William Swaden			
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.: Transporter Signature (for exports only): 16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Jost Ledaick Signature Jost Ledaick Month 2 Day 5 Year 19					
Transporter 2 Printed/Typed Name Signature Month Day Year					
17. Discrepancy 17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection Item #13 Estimated. Actual Weight = 14.31 Manifest Reference Number: 450013					
17b. Alternate Facility (or Generator) Facility's Phone: U.S. EPA ID Number					
17c. Signature of Alternate Facility (or Generator) Month Day Year					
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a Printed/Typed Name Mark Andrews Signature Mark Andrews Month 2 Day 18 Year 19					

PARISO LOGISTICS, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEMS TRI-AXLES DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET # **P130333**

CUSTOMER NAME

DATE
TIME

JOB #

SHIP TO

GROSS

TARE

NET

POUNDS

POUNDS

POUNDS

PRODUCT

WEIGHMASTER: PARISO LOGISTICS, INC.

S. RAWE / E. RAWE

N.Y.S. LICENSE #140331 / 601381

WEIGHED BY

TRUCK NO.

TRUCKING CO.:

TRUCKER'S
SIGNATURE

PARISO LOGISTICS, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEM TRI-AXLES DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET # P132052

CUSTOMER NAME

DATE 03/26/2019
TIME 12:44PM

JOB #

SHIP TO

GROSS 66600 LB POUNDS
TARE 29500 LB POUNDS
NET 37100 LB POUNDS
18.56 TN

PRODUCT

WEIGHMASTER: PARISO LOGISTICS, INC.

S. RAWE / E. RAWE

N.Y.S. LICENSE #140331 / 601381

WEIGHED BY

TRUCK NO.

TRUCKING CO.:

TRUCKER'S
SIGNATURE

CUSTOMER 2

ACM

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
5. Generator's Name and Mailing Address		Generator's Site Address (if different than mailing address)			
Emerson Trucking, LLC c/o McGuire Hwy, 455 Cayuga Rd, Suite 100, Buffalo NY 14225		Emerson School of Hospitality II, 75 W. Huron Street, Buffalo NY 14202 Mark Wendling			
Generator's Phone: 716-879-1000		U.S. EPA ID Number			
6. Transporter 1 Company Name		SA 026			
Paris Logistics		U.S. EPA ID Number			
7. Transporter 2 Company Name		U.S. EPA ID Number			
8. Designated Facility Name and Site Address		U.S. EPA ID Number			
Tonawanda Bigweldation Facility 795 East Park Drive Tonawanda New York 14150		N/A			
Facility's Phone: 716-785-3020					
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt/Vol.
		No.	Type		
1. Non HCR, Non D.O.T. Regulated Material, Soil (PCS)		001	T		T
2.					
3.					
4.					
13. Special Handling Instructions and Additional In					
Emergency Contact Enrol. Inc. 21-1000 Truck ID Truck Lic.					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offor's Printed/Typed Name		Signature		Month	Day
MARK WENDLING AS AGENT		[Signature]		03	26
15. International Shipments		Port of entry/exit:		Year	
☐ Import to U.S.		☐ Export from U.S.		19	
Transporter Signature (for exports only):		Date leaving U.S.:			
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name		Signature		Month	Day
William Swader		[Signature]		6	1
Transporter 2 Printed/Typed Name		Signature		Month	Day
17. Discrepancy					
17a. Discrepancy Indication Space					
☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection					
Item #13 Estimated Actual Weight = 13.50					
17b. Alternate Facility (or Generator)		Manifest Reference Number:			
		U.S. EPA ID Number			
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)					
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name		Signature			
Sean Swad.		[Signature]			

PARISO LOGISTICS, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEM TRI-AXLES DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET # P131940

CUSTOMER NAME

DATE

TIME

JOB #

SHIP TO

GROSS 11 POUNDS

TARE 11 POUNDS

NET 11 POUNDS

PRODUCT

WEIGHMASTER: PARISO LOGISTICS, INC.

S. RAWE / E. RAWE

N.Y.S. LICENSE #140331 / 601381

WEIGHED BY

TRUCK NO.

TRUCKING CO.:

TRUCKER'S
SIGNATURE

CUSTOMER 2

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

N/A

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

716-255-3070

EG-450025

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Emerson Huron, LLC c/o McGuire Dev., , 435
Cayuga Rd, Suite 100, , Buffalo NY 14225,Emerson School of Hospitality II, , 73 W.
Huron Street, , Buffalo NY 14202, Mark
Wendling

Generator's Phone:

716-620-1000

6. Transporter 1 Company Name

Pexico Logistics

U.S. EPA ID Number

9A 826

7. Transporter 2 Company Name

716-675-5155

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Tonawanda Bioremediation Facility
795 East Park Drive

N/A

Facility's Phone:

716-255-3020

9. Waste Shipping Name and Description

10. Containers

11. Total

Quantity

12. Unit

Wt./Vol.

1. Non RCRA, Non D.C.T. Regulated Material, Soil
(PCS)

No.

Type

001

T

T

2.

3.

4.

13. Special Handling Instructions and Additional Information

Emergency Contact: Ensol

Ensol, Inc. Project ID Num

Truck ID:

Truck Lic.:

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offor's Printed/Typed Name

Signature

Month Day Year

MARK WENDLING AS AGENT

see Mark Wendling AS AGENT 03 21 19

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

William Swader

William Swader

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

☐ Quantity☐ Typ

Item #13 Estimated. Actual Weight

17b. Alternate Facility (or Generator)

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

Mark Andrews

Mark Andrews

03 21 19

PARISO LOGISTICS, INC.

3649 RIVER ROAD

TONAWANDA, NEW YORK 14150

OFFICE: (716) 875-6168 FAX: (716) 875-4121

SCALE: (716) 875-0902

TANDEMS

TRI-AXLES

DUMP TRAILERS

**VARIETY OF PRODUCTS AVAILABLE
FROM OUR STOCKPILES**

CUSTOMER #

TICKET #

P131939

CUSTOMER NAME

DATE

TIME

JOB #

SHIP TO

GROSS

POUNDS

TARE

POUNDS

NET

POUNDS

PRODUCT

WEIGHMASTER: PARISO LOGISTICS, INC.

S. RAWE / E. RAWE

N.Y.S. LICENSE #140331 / 601381

WEIGHED BY

TRUCK NO.

TRUCKING CO.:

TRUCKER'S
SIGNATURE

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

N/A

2. Page 1 of

3. Emergency Response Phone

716-285-3920

4. Waste Tracking Number

EE-450029

5. Generator's Name and Mailing Address

Emerson Huron, LLC c/o McGuire Dev., 455
Cayuga Rd, Suite 100, Buffalo NY 14225,

Generator's Site Address (if different than mailing address)

Emerson School of Hospitality II, 75 W.
Huron Street, Buffalo NY 14202, Mark
Wendling

Generator's Phone:

716-829-1900

6. Transporter 1 Company Name

Paris Logistics

U.S. EPA ID Number

9A 626

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Tonawanda Bioremediation Facility
795 East Park Drive

U.S. EPA ID Number

N/A

Facility's Phone:

716-285-3920

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total

Quantity

12. Unit

WL/Vol.

1. Non RCRA, Non D.O.T. Regulated Material, Soil
(PCB)

001

T

T

2.

3.

4.

13. Special Handling Instructions and Additional Information

Emergency Contact: Ensol. Inc. Nick Morreale

Ensol. Inc. Project ID Number: 18-3476-05B

Truck ID:

Truck Lic.:

Handling Codes:

Weight Ticket No.:

131939

Gross Weight:

Tare Weight:

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offor's Printed/Typed Name

Signature

Month Day Year

MARK WENDLING AS AGENT

M. Wendling AS AGENT

03 21 19

INT'L

15. International Shipments

☐

Import to U.S.

☐

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

William Swader

Signature

William Swader

Month Day Year

Transporter 2 Printed/Typed Name

Signature

Month Day Year

TRANSPORTER

17. Discrepancy

17a. Discrepancy Indication Space

☐

Quantity

☐

Type

☐

Residue

☐

Partial Rejection

☐

Full Rejection

Item #13 Estimated. Actual Weight = 15.53

Manifest Reference Number:

450029

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

DESIGNATED FACILITY

18. Designated Facility Owner/Operator Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

J. Guido

Signature

J. Guido

Month Day Year

13 21 19

Broken Concrete/Asphalt Disposal

Emerson School of Hospitality
Swift River Exported Material

<u>DATE</u>	<u>TRUCK No.</u>	<u>TICKET No.</u>	<u>Loads</u>	<u>Material Description</u>	<u>Disposal Site</u>
2/18/2019	26	15208	1	Broken Concrete	Swift River
2/19/2019	26	15150	2	Broken Concrete	Swift River
2/21/2019	26	15210	1	Broken Asphalt	Swift River
2/22/2019	28	14996	2	Broken Asphalt	Swift River
2/26/2019	26	15214	2	Broken Asphalt	Swift River
2/26/2019	28	14997	1	Broken Asphalt	Swift River
3/22/2019	26	15225	4	Broken Concrete	Swift River
3/25/2019	28	15654	1	Broken Concrete	Swift River
3/25/2019	26	15226	1	Broken Concrete	Swift River

BUD-Approved Material Disposal

Emerson School of Hospitality

BUD Exported Material

<u>DATE</u>	<u>TRUCK No.</u>	<u>TICKET No.</u>	<u>Loads</u>	<u>Material Description</u>	<u>Disposal Site</u>
2/21/2019	28	14995	1	Non-contaminated Dirt Fill	Harris Hill Commons
2/21/2019	26	15210	2	Non-contaminated Dirt Fill	Harris Hill Commons
2/22/2019	26	15211	3	Non-contaminated Dirt Fill	Harris Hill Commons
2/22/2019	28	14996	2	Non-contaminated Dirt Fill	Harris Hill Commons
2/26/2019	28	14997	1	Broken Asphalt	Milherst Yard
3/22/2019	26	15225	1	Dirt, Concrete, Brick and Rock	Milherst Yard
3/25/2019	28	15654	3	Non-contaminated Dirt Fill	Milherst Yard
3/25/2019	26	15226	2	Non-contaminated Dirt Fill	Milherst Yard
3/26/2019	26	15227	4	Dirt, Concrete, Brick and Rock	Milherst Yard
3/26/2019	28	15655	5	Non-contaminated Dirt Fill	Milherst Yard
3/27/2019	28	15656	1	Scrap Wood	Milherst Yard
3/27/2019	28	15656	2	Non-contaminated Dirt Fill	Milherst Yard
3/27/2019	26	15228	2	Non-contaminated Dirt Fill	Milherst Yard
3/28/2019	28	15659	3	Non-contaminated Dirt Fill	Milherst Yard

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 9
270 Michigan Avenue, Buffalo, NY 14203-2915
P: (716) 851-7220 | F: (716) 851-7226
www.dec.ny.gov

January 9, 2019

Thomas Forbes, P.E.
Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike
Buffalo, New York 14218

Dear Mr. Forbes:

Soil Reuse Request
73-79 West Huron, Site #C915282
Buffalo, Erie County

The Department has reviewed the fill material reuse notification that was submitted January 2, and it's attached test results for the soil/fill samples taken from the northern portion of the West Huron site's existing, paved parking lot. None of the analytes exceeded their respective unrestricted use soil cleanup objectives. Soil/fill excavated from the sampled area may therefore be exported off site for use as backfill.

The notice identified two possible destinations for the exported material. After all the material has been exported, please notify me of the final quantities and destination(s).

Sincerely,

David P. Locey
NYSDEC Project Manager

DPL

(08/18)

NOTIFICATION OF FILL MATERIAL REUSE

OFFICIAL USE ONLY DATE RECEIVED _____ _____ _____ GENERATOR NUMBER _____ DESTINATION NUMBER _____ STAFF INITIALS _____	6 NYCRR Part 360.13 requires notification to the Department for the use of fill material in the following cases: - At least five days in advance of transfers of general fill, restricted-use fill and limited-use fill generated in, imported to, or relocated within the City of New York in amounts greater than 10 cubic yards. - At least five days in advance of delivery of restricted-use fill and limited-use fill in amounts greater than 10 cubic yards anywhere in the State of New York. Notification to the Department is not required when the destination is a facility authorized under 6 NYCRR Part 361-5; however, the facility may request information required by this form as part of its waste control plan.
---	--

1. Generating Site Location and Contact

Project Name: _____

Location of Generating Site:

_____ *Street Address* _____ *City/Town*

_____ *County* _____ *Zip Code*

Contact:

_____ *Last* _____ *First* _____ *M.I.*

Office Phone: () _____ **Mobile Phone:** () _____

E-mail _____

Company Name: _____

Company Address:

_____ *Street Address*

_____ *City* _____ *State* _____ *Zip*

2. Fill Material Generated at Remediation Sites

- a. Is the fill material generated from a site being remediated pursuant to a program administered by the Department or EPA? Yes ☐ No ☐
- b. If Yes to question 2a, do you have approval from the Department or EPA to reuse this material at the proposed destination? Yes ☐ No ☐
- If No to question 2b, contact the Department prior to transporting fill material to the destination site.

NOTIFICATION OF FILL MATERIAL REUSE

3. Generating Site Information

- a. Overall quantity of fill material this project will generate _____ Cubic yards
- b. Indicate fill material classifications found on the site:
☐ General Fill Limited use fill Restricted use fill ☐ Other
- c. Quantity of fill material covered under this notification _____ Cubic yards
- d. Indicate fill material classifications proposed to be reused under this notification:
General Fill ☐ Limited use fill Restricted use fill ☐ Other
- e. Have other notifications for this project been submitted to the Department? Yes No
If yes, indicate destination region(s). _____
- f. Will additional notifications be sent in the future? Yes No
- g. Estimated start date and end date of overall project: _____
(Start Date) (End Date)
- h. Estimated start and end date of fill transfer for reuse under this notification: _____
(Start Date) (End Date)

4. Fill Material Physical Characteristics

Describe Fill
Material

Provide a description of the fill material, including estimated composition by percent volume of soil, rock, concrete, brick, ash, cinders, slag, etc.). If more space is needed, attach an additional sheet.

5. Qualified Environmental Professional

Contact:

Last First M.I.

Office Phone: () _____ Mobile Phone: () _____

E-mail: _____

Company
Name: _____

Company
Address: _____

Street Address

City

State

Zip

NOTIFICATION OF FILL MATERIAL TRANSPORT

6. Destination Site Location and Contact

Project Name: _____

**Location of
Destination
Site:**

Street Address

City/Town

County

Zip Code

Contact:

Last

First

M.I.

Phone:

() _____

Mobile Phone:

() _____

E-mail: _____

**Company
Name:**

**Company
Address:**

Street Address

City

State

Zip

7. Destination Site Information

a. Quantity of fill material required for this project? _____ Cubic Yards

b. Type(s) of fill material to be used (check all that apply):

General Fill

☐ Limited use fill

☐ Restricted use fill

☐ Other

c. For restricted- and limited-use fill, has a local building permit or other municipal authorization been issued for this project that includes need for fill?

☐ Yes No

d. Are additional fill material notifications to be submitted for this project?

☐ Yes No

e. Describe the area(s) on the site where this fill material is to be used:

Please note that both the generator and the receiver of the fill material must retain records of fill material quantities, with analytical data, for a minimum of three years after fill material is removed or received, as applicable. To demonstrate compliance with applicable requirements of this notification, a log of all loads of fill material and corresponding tracking documents should be maintained as part of these records. The Department reserves the right to inspect any site of generation or placement of fill material.

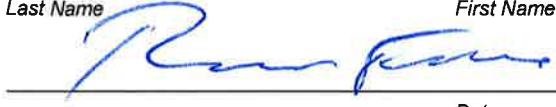
Transport of fill material that originates in the City of New York, or limited-use fill and restricted-use fill generated outside of New York City, is also subject to the requirements of Part 364.

NOTIFICATION OF FILL MATERIAL REUSE

8. Certification by Qualified Environmental Professional

I certify, under penalty of law that the data and other information provided in this notification have been prepared under my direction and supervision in compliance with the system designed to ensure that qualified personnel properly and accurately gather and evaluate this information. I am aware that any false statement I make in this notification is punishable pursuant to Section 71-2703(2) of the Environmental Conservation Law and Section 210.45 of the Penal Law.

Name: Forbes Thomas H.
Last Name First Name M.I.

Signature: 
Date

License Information: 070950 NY
Number State

Profession: ☒ Engineer ☐ Geologist ☐ Other (see 6 NYCRR 360.2(b)(213))

(Engineer or Geologist seal above)

In the event the Qualified Environmental Professional identified in Item 5 above is not a Professional Engineer or Geologist licensed in New York State, the QEP's basis for credential must be attached to this form.

All notifications must be sent to the Regional Office of the Department in which the destination is located (see <http://www.dec.ny.gov/about/558.html>).

Pursuant to 6 NYCRR Subdivision 360.13(g), all notifications must be made on forms and in a manner acceptable to the Department. Before submitting this notification, please ensure this form is complete and all supporting documentation is formatted in a manner acceptable to the Department as recommended in the checklist below.

- ☐ **Completed Form.** All fields of the application are complete, including the certification.
- ☐ **Analytical Data Comparison.** Analytical data is compared with the following, for the respective fill material type for the receiving site, and exceedances clearly identified as follows (see also 6 NYCRR Part 360.13(f)):
 - General Fill: protection of groundwater and residential soil cleanup objectives found in 6 NYCRR Part 375, Section 375-6.8.
 - Restricted-Use Fill: In addition to general fill requirements, benzo (a) pyrene equivalent.
 - Limited-Use Fill: In addition to restricted use requirements, commercial soil cleanup objectives for metals found in 6 NYCRR Part 375, Section 375-6.8.
- ☐ **Summary Table - Recommended Formatting.** Summary tables are attached that show standards and analytes on the left; sample IDs, depths and locations on the top; and detection limits are indicated for those constituents that are listed as 'non-detects'. The summary table should list all analytes. All data for the generating site should be provided, even if not to be transported, as part of this notification.

TABLE 1
SUMMARY OF BUD REUSE SAMPLE ANALYTICAL RESULTS
73-79 WEST HURON STREET SITE
BUFFALO, NEW YORK

PARAMETER ¹	Unrestricted Use SCOs ²	Residential Use SCOs ²	Sample Location								
			BUD COMP-1	BUD COMP-2	BUD VOC-1	BUD VOC-2	BUD VOC-3	BUD VOC-4	BUD VOC-5	BUD VOC-6	BUD VOC-7
			11/19/2018								
Volatile Organic Compounds (VOCs) - mg/Kg ³											
Chloroform	0.37	10	--	--	ND	ND	0.00016 J	0.00028 J	ND	ND	ND
Tetrachloroethene	1.3	5.5	--	--	ND	ND	0.0011	ND	ND	0.00056	0.00046
Polycyclic Aromatic Hydrocarbons (PAHs) - mg/Kg ³											
Benzo(a)anthracene	1	1	ND	0.045 J	--	--	--	--	--	--	--
Benzo(a)pyrene	1	1	ND	0.048 J	--	--	--	--	--	--	--
Benzo(b)fluoranthene	1	1	0.042 J	0.077 J	--	--	--	--	--	--	--
Benzo(ghi)perylene	100	100	ND	0.042 J	--	--	--	--	--	--	--
Bis(2-ethylhexyl) phthalate	--	--	0.12 J	ND	--	--	--	--	--	--	--
Chrysene	1	1	0.024 J	0.049 J	--	--	--	--	--	--	--
Fluoranthene	100	100	0.05 J	0.077 J	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	0.5	0.5	ND	0.045 J	--	--	--	--	--	--	--
Phenanthrene	100	100	0.067 J	0.03 J	--	--	--	--	--	--	--
Pyrene	100	100	0.038 J	0.059 J	--	--	--	--	--	--	--

Notes:

- Only those parameters detected at a minimum of one sample location are presented in this table; other compounds were reported as non-detect.
- Values per 6NYCRR Part 375 Soil Cleanup Objectives (SCOs).
- Sample results were reported by the laboratory in ug/kg and converted to mg/kg for comparisons to SCOs.

Definitions:

ND = Parameter not detected above laboratory detection limit.

"--" = No value available for the parameter; Parameter not analysed for.

J = Estimated value; result is less than the sample quantitation limit but greater than zero.

Bold	= Result exceeds Unrestricted Use SCOs.
Bold	= Result exceeds Residential Use SCOs.



ANALYTICAL REPORT

Lab Number:	L1847727
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Tom Forbes
Phone:	(716) 856-0599
Project Name:	73-79 WEST HURON STREET SITE
Project Number:	B0441-018-001
Report Date:	11/29/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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



Project Name: 73-79 WEST HURON STREET SITE
Project Number: B0441-018-001

Lab Number: L1847727
Report Date: 11/29/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1847727-01	BUD COMP-1	SOIL	BUFFALO, NY	11/19/18 14:00	11/20/18
L1847727-02	BUD COMP-2	SOIL	BUFFALO, NY	11/19/18 14:05	11/20/18
L1847727-03	BUD VOC-1	SOIL	BUFFALO, NY	11/19/18 14:10	11/20/18
L1847727-04	BUD VOC-2	SOIL	BUFFALO, NY	11/19/18 14:15	11/20/18
L1847727-05	BUD VOC-3	SOIL	BUFFALO, NY	11/19/18 14:20	11/20/18
L1847727-06	BUD VOC-4	SOIL	BUFFALO, NY	11/19/18 14:25	11/20/18
L1847727-07	BUD VOC-5	SOIL	BUFFALO, NY	11/19/18 14:30	11/20/18
L1847727-08	BUD VOC-6	SOIL	BUFFALO, NY	11/19/18 14:35	11/20/18
L1847727-09	BUD VOC-7	SOIL	BUFFALO, NY	11/19/18 14:40	11/20/18

Project Name: 73-79 WEST HURON STREET SITE
Project Number: B0441-018-001

Lab Number: L1847727
Report Date: 11/29/18

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 73-79 WEST HURON STREET SITE
Project Number: B0441-018-001

Lab Number: L1847727
Report Date: 11/29/18

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

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

Authorized Signature:

 Amita Naik

Title: Technical Director/Representative

Date: 11/29/18

ORGANICS

VOLATILES

Project Name: 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18**SAMPLE RESULTS**

Lab ID: L1847727-03
 Client ID: BUD VOC-1
 Sample Location: BUFFALO, NY

Date Collected: 11/19/18 14:10
 Date Received: 11/20/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/28/18 00:41
 Analyst: MV
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.96	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.96	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.96	0.12	1
Dibromochloromethane	ND		ug/kg	0.96	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.96	0.26	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.67	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.8	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.96	0.52	1
Ethylbenzene	ND		ug/kg	0.96	0.14	1
Chloromethane	ND		ug/kg	3.8	0.89	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.96	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.96	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1
Trichloroethene	ND		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1

Project Name: 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18**SAMPLE RESULTS****Lab ID:** L1847727-03**Date Collected:** 11/19/18 14:10**Client ID:** BUD VOC-1**Date Received:** 11/20/18**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.96	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.96	0.17	1
Styrene	ND		ug/kg	0.96	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.6	0.88	1
Acetone	ND		ug/kg	9.6	4.6	1
Carbon disulfide	ND		ug/kg	9.6	4.4	1
2-Butanone	ND		ug/kg	9.6	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.6	1.2	1
2-Hexanone	ND		ug/kg	9.6	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.96	0.27	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.96	1
Isopropylbenzene	ND		ug/kg	0.96	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
Methyl Acetate	ND		ug/kg	3.8	0.91	1
Cyclohexane	ND		ug/kg	9.6	0.52	1
1,4-Dioxane	ND		ug/kg	96	34.	1
Freon-113	ND		ug/kg	3.8	0.66	1
Methyl cyclohexane	ND		ug/kg	3.8	0.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	116		70-130

Project Name: 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18**SAMPLE RESULTS**

Lab ID: L1847727-04
 Client ID: BUD VOC-2
 Sample Location: BUFFALO, NY

Date Collected: 11/19/18 14:15
 Date Received: 11/20/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/28/18 01:09
 Analyst: MV
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.5	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.90	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.90	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.90	0.11	1
Dibromochloromethane	ND		ug/kg	0.90	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.90	0.24	1
Tetrachloroethene	ND		ug/kg	0.45	0.18	1
Chlorobenzene	ND		ug/kg	0.45	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.63	1
1,2-Dichloroethane	ND		ug/kg	0.90	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.45	0.15	1
Bromodichloromethane	ND		ug/kg	0.45	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.90	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.45	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.45	0.15	1
Benzene	ND		ug/kg	0.45	0.15	1
Toluene	ND		ug/kg	0.90	0.49	1
Ethylbenzene	ND		ug/kg	0.90	0.13	1
Chloromethane	ND		ug/kg	3.6	0.84	1
Bromomethane	ND		ug/kg	1.8	0.52	1
Vinyl chloride	ND		ug/kg	0.90	0.30	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	ND		ug/kg	0.90	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.12	1
Trichloroethene	ND		ug/kg	0.45	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1

Project Name: 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18**SAMPLE RESULTS****Lab ID:** L1847727-04**Date Collected:** 11/19/18 14:15**Client ID:** BUD VOC-2**Date Received:** 11/20/18**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.51	1
o-Xylene	ND		ug/kg	0.90	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.90	0.16	1
Styrene	ND		ug/kg	0.90	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.0	0.83	1
Acetone	ND		ug/kg	9.0	4.4	1
Carbon disulfide	ND		ug/kg	9.0	4.1	1
2-Butanone	ND		ug/kg	9.0	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.0	1.2	1
2-Hexanone	ND		ug/kg	9.0	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.90	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.90	1
Isopropylbenzene	ND		ug/kg	0.90	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
Methyl Acetate	ND		ug/kg	3.6	0.86	1
Cyclohexane	ND		ug/kg	9.0	0.49	1
1,4-Dioxane	ND		ug/kg	90	32.	1
Freon-113	ND		ug/kg	3.6	0.63	1
Methyl cyclohexane	ND		ug/kg	3.6	0.54	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	120		70-130

Project Name: 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18**SAMPLE RESULTS**

Lab ID: L1847727-05
 Client ID: BUD VOC-3
 Sample Location: BUFFALO, NY

Date Collected: 11/19/18 14:20
 Date Received: 11/20/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/28/18 01:37
 Analyst: MV
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.94	0.14	1
Chloroform	0.16	J	ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.94	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.94	0.12	1
Dibromochloromethane	ND		ug/kg	0.94	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	0.25	1
Tetrachloroethene	1.1		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.94	0.51	1
Ethylbenzene	ND		ug/kg	0.94	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.94	0.32	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1
Trichloroethene	ND		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1

Project Name: 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18**SAMPLE RESULTS****Lab ID:** L1847727-05**Date Collected:** 11/19/18 14:20**Client ID:** BUD VOC-3**Date Received:** 11/20/18**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.94	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.16	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	ND		ug/kg	9.4	4.5	1
Carbon disulfide	ND		ug/kg	9.4	4.3	1
2-Butanone	ND		ug/kg	9.4	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	1.2	1
2-Hexanone	ND		ug/kg	9.4	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.94	0.26	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.94	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
Methyl Acetate	ND		ug/kg	3.8	0.89	1
Cyclohexane	ND		ug/kg	9.4	0.51	1
1,4-Dioxane	ND		ug/kg	94	33.	1
Freon-113	ND		ug/kg	3.8	0.65	1
Methyl cyclohexane	ND		ug/kg	3.8	0.57	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	117		70-130

Project Name: 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18**SAMPLE RESULTS**

Lab ID: L1847727-06
 Client ID: BUD VOC-4
 Sample Location: BUFFALO, NY

Date Collected: 11/19/18 14:25
 Date Received: 11/20/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/28/18 02:04
 Analyst: MV
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	0.28	J	ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.17	1
Benzene	ND		ug/kg	0.53	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1
Trichloroethene	ND		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1

Project Name: 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18**SAMPLE RESULTS****Lab ID:** L1847727-06**Date Collected:** 11/19/18 14:25**Client ID:** BUD VOC-4**Date Received:** 11/20/18**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	ND		ug/kg	10	5.1	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
Methyl Acetate	ND		ug/kg	4.2	1.0	1
Cyclohexane	ND		ug/kg	10	0.57	1
1,4-Dioxane	ND		ug/kg	100	37.	1
Freon-113	ND		ug/kg	4.2	0.73	1
Methyl cyclohexane	ND		ug/kg	4.2	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	80		70-130
Dibromofluoromethane	116		70-130

Project Name: 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18**SAMPLE RESULTS**

Lab ID: L1847727-07
 Client ID: BUD VOC-5
 Sample Location: BUFFALO, NY

Date Collected: 11/19/18 14:30
 Date Received: 11/20/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/29/18 04:41
 Analyst: MV
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.96	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1

Project Name: 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18**SAMPLE RESULTS****Lab ID:** L1847727-07**Date Collected:** 11/19/18 14:30**Client ID:** BUD VOC-5**Date Received:** 11/20/18**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.94	1
Acetone	ND		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
Methyl Acetate	ND		ug/kg	4.1	0.98	1
Cyclohexane	ND		ug/kg	10	0.56	1
1,4-Dioxane	ND		ug/kg	100	36.	1
Freon-113	ND		ug/kg	4.1	0.71	1
Methyl cyclohexane	ND		ug/kg	4.1	0.62	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	103		70-130

Project Name: 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18**SAMPLE RESULTS**

Lab ID: L1847727-08
 Client ID: BUD VOC-6
 Sample Location: BUFFALO, NY

Date Collected: 11/19/18 14:35
 Date Received: 11/20/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/28/18 08:33
 Analyst: MV
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.92	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.92	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.92	0.12	1
Dibromochloromethane	ND		ug/kg	0.92	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	0.25	1
Tetrachloroethene	0.56		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.92	0.50	1
Ethylbenzene	ND		ug/kg	0.92	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.54	1
Vinyl chloride	ND		ug/kg	0.92	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1
Trichloroethene	ND		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1

Project Name: 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18**SAMPLE RESULTS****Lab ID:** L1847727-08**Date Collected:** 11/19/18 14:35**Client ID:** BUD VOC-6**Date Received:** 11/20/18**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.19	1
p/m-Xylene	ND		ug/kg	1.8	0.52	1
o-Xylene	ND		ug/kg	0.92	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.16	1
Styrene	ND		ug/kg	0.92	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.85	1
Acetone	ND		ug/kg	9.2	4.4	1
Carbon disulfide	ND		ug/kg	9.2	4.2	1
2-Butanone	ND		ug/kg	9.2	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	1.2	1
2-Hexanone	ND		ug/kg	9.2	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.92	0.26	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Isopropylbenzene	ND		ug/kg	0.92	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
Methyl Acetate	ND		ug/kg	3.7	0.88	1
Cyclohexane	ND		ug/kg	9.2	0.50	1
1,4-Dioxane	ND		ug/kg	92	32.	1
Freon-113	ND		ug/kg	3.7	0.64	1
Methyl cyclohexane	ND		ug/kg	3.7	0.56	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	113		70-130

Project Name: 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18**SAMPLE RESULTS**

Lab ID: L1847727-09
 Client ID: BUD VOC-7
 Sample Location: BUFFALO, NY

Date Collected: 11/19/18 14:40
 Date Received: 11/20/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/28/18 03:00
 Analyst: MV
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.87	0.13	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.87	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.87	0.11	1
Dibromochloromethane	ND		ug/kg	0.87	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.87	0.23	1
Tetrachloroethene	0.46		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.61	1
1,2-Dichloroethane	ND		ug/kg	0.87	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.44	0.15	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.87	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.5	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.14	1
Benzene	ND		ug/kg	0.44	0.14	1
Toluene	ND		ug/kg	0.87	0.47	1
Ethylbenzene	ND		ug/kg	0.87	0.12	1
Chloromethane	ND		ug/kg	3.5	0.81	1
Bromomethane	ND		ug/kg	1.7	0.51	1
Vinyl chloride	ND		ug/kg	0.87	0.29	1
Chloroethane	ND		ug/kg	1.7	0.40	1
1,1-Dichloroethene	ND		ug/kg	0.87	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1
Trichloroethene	ND		ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1

Project Name: 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18**SAMPLE RESULTS****Lab ID:** L1847727-09**Date Collected:** 11/19/18 14:40**Client ID:** BUD VOC-7**Date Received:** 11/20/18**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.18	1
p/m-Xylene	ND		ug/kg	1.7	0.49	1
o-Xylene	ND		ug/kg	0.87	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.87	0.15	1
Styrene	ND		ug/kg	0.87	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.7	0.80	1
Acetone	ND		ug/kg	8.7	4.2	1
Carbon disulfide	ND		ug/kg	8.7	4.0	1
2-Butanone	ND		ug/kg	8.7	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.7	1.1	1
2-Hexanone	ND		ug/kg	8.7	1.0	1
Bromochloromethane	ND		ug/kg	1.7	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.87	0.24	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.87	1
Isopropylbenzene	ND		ug/kg	0.87	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.24	1
Methyl Acetate	ND		ug/kg	3.5	0.83	1
Cyclohexane	ND		ug/kg	8.7	0.48	1
1,4-Dioxane	ND		ug/kg	87	31.	1
Freon-113	ND		ug/kg	3.5	0.60	1
Methyl cyclohexane	ND		ug/kg	3.5	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	120		70-130

Project Name: 73-79 WEST HURON STREET SITE

Lab Number: L1847727

Project Number: B0441-018-001

Report Date: 11/29/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/27/18 19:37

Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-06,09 Batch: WG1183210-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: 73-79 WEST HURON STREET SITE

Lab Number: L1847727

Project Number: B0441-018-001

Report Date: 11/29/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/27/18 19:37
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-06,09 Batch: WG1183210-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	100	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/27/18 19:37
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-06,09 Batch: WG1183210-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	113		70-130

Project Name: 73-79 WEST HURON STREET SITE

Lab Number: L1847727

Project Number: B0441-018-001

Report Date: 11/29/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/28/18 08:05
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG1183334-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: 73-79 WEST HURON STREET SITE

Lab Number: L1847727

Project Number: B0441-018-001

Report Date: 11/29/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/28/18 08:05

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG1183334-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	100	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/28/18 08:05

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG1183334-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	113		70-130

Project Name: 73-79 WEST HURON STREET SITE

Lab Number: L1847727

Project Number: B0441-018-001

Report Date: 11/29/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/28/18 20:01

Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 07 Batch: WG1183682-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: 73-79 WEST HURON STREET SITE

Lab Number: L1847727

Project Number: B0441-018-001

Report Date: 11/29/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/28/18 20:01
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 07 Batch: WG1183682-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	100	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/28/18 20:01

Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 07 Batch: WG1183682-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 73-79 WEST HURON STREET SITE

Project Number: B0441-018-001

Lab Number: L1847727

Report Date: 11/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-06,09 Batch: WG1183210-3 WG1183210-4								
Methylene chloride	108		103		70-130	5		30
1,1-Dichloroethane	109		103		70-130	6		30
Chloroform	107		103		70-130	4		30
Carbon tetrachloride	106		105		70-130	1		30
1,2-Dichloropropane	108		104		70-130	4		30
Dibromochloromethane	102		100		70-130	2		30
1,1,2-Trichloroethane	105		101		70-130	4		30
Tetrachloroethene	102		98		70-130	4		30
Chlorobenzene	101		97		70-130	4		30
Trichlorofluoromethane	158	Q	154	Q	70-139	3		30
1,2-Dichloroethane	103		101		70-130	2		30
1,1,1-Trichloroethane	98		95		70-130	3		30
Bromodichloromethane	96		94		70-130	2		30
trans-1,3-Dichloropropene	93		93		70-130	0		30
cis-1,3-Dichloropropene	94		94		70-130	0		30
Bromoform	88		89		70-130	1		30
1,1,2,2-Tetrachloroethane	97		98		70-130	1		30
Benzene	113		108		70-130	5		30
Toluene	104		100		70-130	4		30
Ethylbenzene	104		100		70-130	4		30
Chloromethane	94		90		52-130	4		30
Bromomethane	159	Q	156	Q	57-147	2		30
Vinyl chloride	131	Q	123		67-130	6		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 73-79 WEST HURON STREET SITE

Project Number: B0441-018-001

Lab Number: L1847727

Report Date: 11/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-06,09 Batch: WG1183210-3 WG1183210-4								
Chloroethane	166	Q	154	Q	50-151	8		30
1,1-Dichloroethene	98		96		65-135	2		30
trans-1,2-Dichloroethene	101		100		70-130	1		30
Trichloroethene	103		99		70-130	4		30
1,2-Dichlorobenzene	105		102		70-130	3		30
1,3-Dichlorobenzene	106		104		70-130	2		30
1,4-Dichlorobenzene	108		105		70-130	3		30
Methyl tert butyl ether	87		88		66-130	1		30
p/m-Xylene	108		104		70-130	4		30
o-Xylene	100		96		70-130	4		30
cis-1,2-Dichloroethene	104		101		70-130	3		30
Styrene	98		95		70-130	3		30
Dichlorodifluoromethane	104		101		30-146	3		30
Acetone	130		133		54-140	2		30
Carbon disulfide	91		87		59-130	4		30
2-Butanone	84		82		70-130	2		30
4-Methyl-2-pentanone	84		88		70-130	5		30
2-Hexanone	73		77		70-130	5		30
Bromochloromethane	117		114		70-130	3		30
1,2-Dibromoethane	101		101		70-130	0		30
1,2-Dibromo-3-chloropropane	96		95		68-130	1		30
Isopropylbenzene	99		98		70-130	1		30
1,2,3-Trichlorobenzene	97		98		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 73-79 WEST HURON STREET SITE

Project Number: B0441-018-001

Lab Number: L1847727

Report Date: 11/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-06,09 Batch: WG1183210-3 WG1183210-4								
1,2,4-Trichlorobenzene	98		96		70-130	2		30
Methyl Acetate	109		110		51-146	1		30
Cyclohexane	99		96		59-142	3		30
1,4-Dioxane	103		104		65-136	1		30
Freon-113	103		101		50-139	2		30
Methyl cyclohexane	101		98		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		106		70-130
Toluene-d8	100		98		70-130
4-Bromofluorobenzene	85		86		70-130
Dibromofluoromethane	108		108		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 73-79 WEST HURON STREET SITE

Project Number: B0441-018-001

Lab Number: L1847727

Report Date: 11/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG1183334-3 WG1183334-4								
Methylene chloride	97		94		70-130	3		30
1,1-Dichloroethane	99		96		70-130	3		30
Chloroform	98		93		70-130	5		30
Carbon tetrachloride	97		93		70-130	4		30
1,2-Dichloropropane	100		98		70-130	2		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	96		96		70-130	0		30
Tetrachloroethene	93		90		70-130	3		30
Chlorobenzene	92		90		70-130	2		30
Trichlorofluoromethane	144	Q	136		70-139	6		30
1,2-Dichloroethane	96		95		70-130	1		30
1,1,1-Trichloroethane	89		85		70-130	5		30
Bromodichloromethane	89		87		70-130	2		30
trans-1,3-Dichloropropene	85		87		70-130	2		30
cis-1,3-Dichloropropene	87		86		70-130	1		30
Bromoform	81		83		70-130	2		30
1,1,2,2-Tetrachloroethane	91		92		70-130	1		30
Benzene	104		100		70-130	4		30
Toluene	94		93		70-130	1		30
Ethylbenzene	93		92		70-130	1		30
Chloromethane	78		74		52-130	5		30
Bromomethane	150	Q	148	Q	57-147	1		30
Vinyl chloride	114		106		67-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 73-79 WEST HURON STREET SITE

Project Number: B0441-018-001

Lab Number: L1847727

Report Date: 11/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG1183334-3 WG1183334-4								
Chloroethane	148		138		50-151	7		30
1,1-Dichloroethene	88		85		65-135	3		30
trans-1,2-Dichloroethene	94		90		70-130	4		30
Trichloroethene	94		91		70-130	3		30
1,2-Dichlorobenzene	97		97		70-130	0		30
1,3-Dichlorobenzene	99		98		70-130	1		30
1,4-Dichlorobenzene	101		98		70-130	3		30
Methyl tert butyl ether	81		80		66-130	1		30
p/m-Xylene	98		96		70-130	2		30
o-Xylene	91		89		70-130	2		30
cis-1,2-Dichloroethene	95		93		70-130	2		30
Styrene	89		89		70-130	0		30
Dichlorodifluoromethane	87		83		30-146	5		30
Acetone	118		120		54-140	2		30
Carbon disulfide	81		76		59-130	6		30
2-Butanone	79		70		70-130	12		30
4-Methyl-2-pentanone	76		80		70-130	5		30
2-Hexanone	67	Q	70		70-130	4		30
Bromochloromethane	108		106		70-130	2		30
1,2-Dibromoethane	92		93		70-130	1		30
1,2-Dibromo-3-chloropropane	86		88		68-130	2		30
Isopropylbenzene	93		90		70-130	3		30
1,2,3-Trichlorobenzene	93		93		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 73-79 WEST HURON STREET SITE

Project Number: B0441-018-001

Lab Number: L1847727

Report Date: 11/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG1183334-3 WG1183334-4								
1,2,4-Trichlorobenzene	92		90		70-130	2		30
Methyl Acetate	100		102		51-146	2		30
Cyclohexane	91		85		59-142	7		30
1,4-Dioxane	88		90		65-136	2		30
Freon-113	96		89		50-139	8		30
Methyl cyclohexane	94		89		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		105		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	87		87		70-130
Dibromofluoromethane	109		108		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 73-79 WEST HURON STREET SITE

Project Number: B0441-018-001

Lab Number: L1847727

Report Date: 11/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07 Batch: WG1183682-3 WG1183682-4								
Methylene chloride	94		89		70-130	5		30
1,1-Dichloroethane	89		82		70-130	8		30
Chloroform	91		85		70-130	7		30
Carbon tetrachloride	96		91		70-130	5		30
1,2-Dichloropropane	89		83		70-130	7		30
Dibromochloromethane	102		100		70-130	2		30
1,1,2-Trichloroethane	108		101		70-130	7		30
Tetrachloroethene	118		112		70-130	5		30
Chlorobenzene	106		100		70-130	6		30
Trichlorofluoromethane	94		84		70-139	11		30
1,2-Dichloroethane	79		75		70-130	5		30
1,1,1-Trichloroethane	95		87		70-130	9		30
Bromodichloromethane	88		84		70-130	5		30
trans-1,3-Dichloropropene	103		98		70-130	5		30
cis-1,3-Dichloropropene	94		90		70-130	4		30
Bromoform	109		108		70-130	1		30
1,1,2,2-Tetrachloroethane	108		106		70-130	2		30
Benzene	96		90		70-130	6		30
Toluene	109		104		70-130	5		30
Ethylbenzene	108		102		70-130	6		30
Chloromethane	74		67		52-130	10		30
Bromomethane	104		94		57-147	10		30
Vinyl chloride	100		89		67-130	12		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 73-79 WEST HURON STREET SITE

Project Number: B0441-018-001

Lab Number: L1847727

Report Date: 11/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07 Batch: WG1183682-3 WG1183682-4								
Chloroethane	102		93		50-151	9		30
1,1-Dichloroethene	102		98		65-135	4		30
trans-1,2-Dichloroethene	103		96		70-130	7		30
Trichloroethene	96		92		70-130	4		30
1,2-Dichlorobenzene	110		107		70-130	3		30
1,3-Dichlorobenzene	111		107		70-130	4		30
1,4-Dichlorobenzene	111		108		70-130	3		30
Methyl tert butyl ether	91		84		66-130	8		30
p/m-Xylene	109		104		70-130	5		30
o-Xylene	107		101		70-130	6		30
cis-1,2-Dichloroethene	98		91		70-130	7		30
Styrene	106		101		70-130	5		30
Dichlorodifluoromethane	84		80		30-146	5		30
Acetone	79		70		54-140	12		30
Carbon disulfide	91		84		59-130	8		30
2-Butanone	72		68	Q	70-130	6		30
4-Methyl-2-pentanone	90		84		70-130	7		30
2-Hexanone	80		73		70-130	9		30
Bromochloromethane	98		93		70-130	5		30
1,2-Dibromoethane	108		102		70-130	6		30
1,2-Dibromo-3-chloropropane	101		98		68-130	3		30
Isopropylbenzene	117		109		70-130	7		30
1,2,3-Trichlorobenzene	104		104		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 73-79 WEST HURON STREET SITE

Project Number: B0441-018-001

Lab Number: L1847727

Report Date: 11/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07 Batch: WG1183682-3 WG1183682-4								
1,2,4-Trichlorobenzene	112		109		70-130	3		30
Methyl Acetate	73		67		51-146	9		30
Cyclohexane	86		77		59-142	11		30
1,4-Dioxane	96		85		65-136	12		30
Freon-113	101		92		50-139	9		30
Methyl cyclohexane	101		94		70-130	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		84		70-130
Toluene-d8	109		107		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	96		95		70-130

SEMIVOLATILES

Project Name: 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18**SAMPLE RESULTS**

Lab ID: L1847727-01
 Client ID: BUD COMP-1
 Sample Location: BUFFALO, NY

Date Collected: 11/19/18 14:00
 Date Received: 11/20/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/27/18 02:48
 Analyst: RC
 Percent Solids: 80%

Extraction Method: EPA 3546
 Extraction Date: 11/23/18 10:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	41.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	50	J	ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	210	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	190	1
Hexachloroethane	ND		ug/kg	160	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	ND		ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	160	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	120	J	ug/kg	210	72.	1
Butyl benzyl phthalate	ND		ug/kg	210	52.	1
Di-n-butylphthalate	ND		ug/kg	210	39.	1
Di-n-octylphthalate	ND		ug/kg	210	70.	1
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	51.	1

Project Name: 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18**SAMPLE RESULTS**

Lab ID: L1847727-01
Client ID: BUD COMP-1
Sample Location: BUFFALO, NY

Date Collected: 11/19/18 14:00
Date Received: 11/20/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	42	J	ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	24	J	ug/kg	120	22.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	67	J	ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	29.	1
Pyrene	38	J	ug/kg	120	21.	1
Biphenyl	ND		ug/kg	470	48.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	86.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	24.	1
2,4-Dichlorophenol	ND		ug/kg	190	33.	1
2,4-Dimethylphenol	ND		ug/kg	210	68.	1
2-Nitrophenol	ND		ug/kg	450	78.	1
4-Nitrophenol	ND		ug/kg	290	85.	1
2,4-Dinitrophenol	ND		ug/kg	1000	97.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	100	1
Pentachlorophenol	ND		ug/kg	160	46.	1
Phenol	ND		ug/kg	210	31.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Carbazole	ND		ug/kg	210	20.	1
Atrazine	ND		ug/kg	160	73.	1
Benzaldehyde	ND		ug/kg	270	56.	1

Project Name: 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18**SAMPLE RESULTS****Lab ID:** L1847727-01**Date Collected:** 11/19/18 14:00**Client ID:** BUD COMP-1**Date Received:** 11/20/18**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	210	63.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	42.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	59		10-136
4-Terphenyl-d14	55		18-120

Project Name: 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18**SAMPLE RESULTS**

Lab ID: L1847727-02
 Client ID: BUD COMP-2
 Sample Location: BUFFALO, NY

Date Collected: 11/19/18 14:05
 Date Received: 11/20/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/27/18 04:29
 Analyst: RC
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 11/23/18 10:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	77	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	64.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	63.	1
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	45	J	ug/kg	110	21.	1
Benzo(a)pyrene	48	J	ug/kg	150	45.	1

Project Name: 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18**SAMPLE RESULTS**

Lab ID: L1847727-02
 Client ID: BUD COMP-2
 Sample Location: BUFFALO, NY

Date Collected: 11/19/18 14:05
 Date Received: 11/20/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	77	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	49	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	42	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	30	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	45	J	ug/kg	150	26.	1
Pyrene	59	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	19.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Carbazole	ND		ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	65.	1
Benzaldehyde	ND		ug/kg	250	50.	1

Project Name: 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18**SAMPLE RESULTS****Lab ID:** L1847727-02**Date Collected:** 11/19/18 14:05**Client ID:** BUD COMP-2**Date Received:** 11/20/18**Sample Location:** BUFFALO, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	57.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	50		18-120

Project Name: 73-79 WEST HURON STREET SITE

Lab Number: L1847727

Project Number: B0441-018-001

Report Date: 11/29/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/26/18 22:35
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 11/23/18 10:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1182117-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.

Project Name: 73-79 WEST HURON STREET SITE

Lab Number: L1847727

Project Number: B0441-018-001

Report Date: 11/29/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/26/18 22:35
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 11/23/18 10:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1182117-1					
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
 Analytical Date: 11/26/18 22:35
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 11/23/18 10:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1182117-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	61		10-136
4-Terphenyl-d14	68		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 73-79 WEST HURON STREET SITE

Lab Number: L1847727

Project Number: B0441-018-001

Report Date: 11/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1182117-2 WG1182117-3								
Acenaphthene	64		67		31-137	5		50
Hexachlorobenzene	66		67		40-140	2		50
Bis(2-chloroethyl)ether	58		61		40-140	5		50
2-Chloronaphthalene	72		76		40-140	5		50
3,3'-Dichlorobenzidine	49		59		40-140	19		50
2,4-Dinitrotoluene	78		78		40-132	0		50
2,6-Dinitrotoluene	84		85		40-140	1		50
Fluoranthene	77		77		40-140	0		50
4-Chlorophenyl phenyl ether	68		70		40-140	3		50
4-Bromophenyl phenyl ether	70		70		40-140	0		50
Bis(2-chloroisopropyl)ether	90		91		40-140	1		50
Bis(2-chloroethoxy)methane	65		66		40-117	2		50
Hexachlorobutadiene	63		68		40-140	8		50
Hexachlorocyclopentadiene	52		57		40-140	9		50
Hexachloroethane	56		58		40-140	4		50
Isophorone	67		68		40-140	1		50
Naphthalene	65		71		40-140	9		50
Nitrobenzene	62		65		40-140	5		50
NDPA/DPA	71		72		36-157	1		50
n-Nitrosodi-n-propylamine	67		68		32-121	1		50
Bis(2-ethylhexyl)phthalate	82		84		40-140	2		50
Butyl benzyl phthalate	81		82		40-140	1		50
Di-n-butylphthalate	76		76		40-140	0		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 73-79 WEST HURON STREET SITE

Lab Number: L1847727

Project Number: B0441-018-001

Report Date: 11/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1182117-2 WG1182117-3								
Di-n-octylphthalate	86		87		40-140	1		50
Diethyl phthalate	71		71		40-140	0		50
Dimethyl phthalate	81		80		40-140	1		50
Benzo(a)anthracene	69		73		40-140	6		50
Benzo(a)pyrene	75		81		40-140	8		50
Benzo(b)fluoranthene	78		84		40-140	7		50
Benzo(k)fluoranthene	70		74		40-140	6		50
Chrysene	70		73		40-140	4		50
Acenaphthylene	77		79		40-140	3		50
Anthracene	73		75		40-140	3		50
Benzo(ghi)perylene	69		73		40-140	6		50
Fluorene	68		70		40-140	3		50
Phenanthrene	70		72		40-140	3		50
Dibenzo(a,h)anthracene	72		75		40-140	4		50
Indeno(1,2,3-cd)pyrene	74		77		40-140	4		50
Pyrene	75		75		35-142	0		50
Biphenyl	76		79		54-104	4		50
4-Chloroaniline	56		67		40-140	18		50
2-Nitroaniline	88		88		47-134	0		50
3-Nitroaniline	48		55		26-129	14		50
4-Nitroaniline	73		72		41-125	1		50
Dibenzofuran	66		68		40-140	3		50
2-Methylnaphthalene	69		74		40-140	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 73-79 WEST HURON STREET SITE

Project Number: B0441-018-001

Lab Number: L1847727

Report Date: 11/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1182117-2 WG1182117-3								
1,2,4,5-Tetrachlorobenzene	72		78		40-117	8		50
Acetophenone	71		73		14-144	3		50
2,4,6-Trichlorophenol	83		84		30-130	1		50
p-Chloro-m-cresol	81		82		26-103	1		50
2-Chlorophenol	69		70		25-102	1		50
2,4-Dichlorophenol	79		78		30-130	1		50
2,4-Dimethylphenol	78		79		30-130	1		50
2-Nitrophenol	78		81		30-130	4		50
4-Nitrophenol	72		71		11-114	1		50
2,4-Dinitrophenol	72		69		4-130	4		50
4,6-Dinitro-o-cresol	75		75		10-130	0		50
Pentachlorophenol	61		57		17-109	7		50
Phenol	69		70		26-90	1		50
2-Methylphenol	66		69		30-130	4		50
3-Methylphenol/4-Methylphenol	75		74		30-130	1		50
2,4,5-Trichlorophenol	84		85		30-130	1		50
Carbazole	74		75		54-128	1		50
Atrazine	87		87		40-140	0		50
Benzaldehyde	52		57		40-140	9		50
Caprolactam	105		104		15-130	1		50
2,3,4,6-Tetrachlorophenol	70		70		40-140	0		50

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1182117-2 WG1182117-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		68		25-120
Phenol-d6	68		69		10-120
Nitrobenzene-d5	65		66		23-120
2-Fluorobiphenyl	72		75		30-120
2,4,6-Tribromophenol	72		72		10-136
4-Terphenyl-d14	66		65		18-120

INORGANICS & MISCELLANEOUS

Project Name: 73-79 WEST HURON STREET SITE**Project Number:** B0441-018-001**Lab Number:** L1847727**Report Date:** 11/29/18**SAMPLE RESULTS****Lab ID:** L1847727-01**Client ID:** BUD COMP-1**Sample Location:** BUFFALO, NY**Date Collected:** 11/19/18 14:00**Date Received:** 11/20/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.0		%	0.100	NA	1	-	11/21/18 13:32	121,2540G	RI



Project Name: 73-79 WEST HURON STREET SITE**Project Number:** B0441-018-001**Lab Number:** L1847727**Report Date:** 11/29/18**SAMPLE RESULTS****Lab ID:** L1847727-02**Client ID:** BUD COMP-2**Sample Location:** BUFFALO, NY**Date Collected:** 11/19/18 14:05**Date Received:** 11/20/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.6		%	0.100	NA	1	-	11/21/18 13:32	121,2540G	RI



Project Name: 73-79 WEST HURON STREET SITE**Project Number:** B0441-018-001**Lab Number:** L1847727**Report Date:** 11/29/18**SAMPLE RESULTS****Lab ID:** L1847727-03**Client ID:** BUD VOC-1**Sample Location:** BUFFALO, NY**Date Collected:** 11/19/18 14:10**Date Received:** 11/20/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.4		%	0.100	NA	1	-	11/21/18 04:17	121,2540G	FN



Project Name: 73-79 WEST HURON STREET SITE**Project Number:** B0441-018-001**Lab Number:** L1847727**Report Date:** 11/29/18**SAMPLE RESULTS****Lab ID:** L1847727-04**Client ID:** BUD VOC-2**Sample Location:** BUFFALO, NY**Date Collected:** 11/19/18 14:15**Date Received:** 11/20/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.1		%	0.100	NA	1	-	11/21/18 04:17	121,2540G	FN



Project Name: 73-79 WEST HURON STREET SITE**Project Number:** B0441-018-001**Lab Number:** L1847727**Report Date:** 11/29/18**SAMPLE RESULTS****Lab ID:** L1847727-05**Client ID:** BUD VOC-3**Sample Location:** BUFFALO, NY**Date Collected:** 11/19/18 14:20**Date Received:** 11/20/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.4		%	0.100	NA	1	-	11/21/18 04:17	121,2540G	FN



Project Name: 73-79 WEST HURON STREET SITE

Project Number: B0441-018-001

Lab Number: L1847727

Report Date: 11/29/18

SAMPLE RESULTS

Lab ID: L1847727-06

Client ID: BUD VOC-4

Sample Location: BUFFALO, NY

Date Collected: 11/19/18 14:25

Date Received: 11/20/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.8		%	0.100	NA	1	-	11/21/18 04:17	121,2540G	FN



Project Name: 73-79 WEST HURON STREET SITE**Project Number:** B0441-018-001**Lab Number:** L1847727**Report Date:** 11/29/18**SAMPLE RESULTS****Lab ID:** L1847727-07**Client ID:** BUD VOC-5**Sample Location:** BUFFALO, NY**Date Collected:** 11/19/18 14:30**Date Received:** 11/20/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.1		%	0.100	NA	1	-	11/21/18 04:17	121,2540G	FN



Project Name: 73-79 WEST HURON STREET SITE

Project Number: B0441-018-001

Lab Number: L1847727

Report Date: 11/29/18

SAMPLE RESULTS

Lab ID: L1847727-08

Client ID: BUD VOC-6

Sample Location: BUFFALO, NY

Date Collected: 11/19/18 14:35

Date Received: 11/20/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.4		%	0.100	NA	1	-	11/21/18 04:17	121,2540G	FN



Project Name: 73-79 WEST HURON STREET SITE**Project Number:** B0441-018-001**Lab Number:** L1847727**Report Date:** 11/29/18**SAMPLE RESULTS****Lab ID:** L1847727-09**Client ID:** BUD VOC-7**Sample Location:** BUFFALO, NY**Date Collected:** 11/19/18 14:40**Date Received:** 11/20/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.0		%	0.100	NA	1	-	11/21/18 04:17	121,2540G	FN



Lab Duplicate Analysis*Batch Quality Control***Project Name:** 73-79 WEST HURON STREET SITE**Project Number:** B0441-018-001**Lab Number:** L1847727**Report Date:** 11/29/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-09 QC Batch ID: WG1181671-1 QC Sample: L1847591-01 Client ID: DUP Sample						
Solids, Total	75.3	75.0	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1181871-1 QC Sample: L1847287-01 Client ID: DUP Sample						
Solids, Total	86.7	84.4	%	3		20

Project Name: 73-79 WEST HURON STREET SITE
Project Number: B0441-018-001

Serial_No:11291813:25
Lab Number: L1847727
Report Date: 11/29/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1847727-01A	Glass 60ml unpreserved split	A	NA		4.4	Y	Absent		HOLD-METAL(180)
L1847727-01B	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),TS(7),HOLD-8082()
L1847727-01C	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),TS(7),HOLD-8082()
L1847727-02A	Glass 60ml unpreserved split	A	NA		4.4	Y	Absent		HOLD-METAL(180)
L1847727-02B	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),TS(7),HOLD-8082()
L1847727-02C	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),TS(7),HOLD-8082()
L1847727-03A	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-03B	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-03C	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-03D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L1847727-03X	Vial MeOH preserved split	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-03Y	Vial Water preserved split	A	NA		4.4	Y	Absent	21-NOV-18 12:24	NYTCL-8260HLW-R2(14)
L1847727-03Z	Vial Water preserved split	A	NA		4.4	Y	Absent	21-NOV-18 12:24	NYTCL-8260HLW-R2(14)
L1847727-04A	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-04B	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-04C	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-04D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L1847727-04X	Vial MeOH preserved split	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-04Y	Vial Water preserved split	A	NA		4.4	Y	Absent	21-NOV-18 12:24	NYTCL-8260HLW-R2(14)
L1847727-04Z	Vial Water preserved split	A	NA		4.4	Y	Absent	21-NOV-18 12:24	NYTCL-8260HLW-R2(14)
L1847727-05A	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-05B	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-05C	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)

Project Name: 73-79 WEST HURON STREET SITE**Lab Number:** L1847727**Project Number:** B0441-018-001**Report Date:** 11/29/18**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1847727-05D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L1847727-05X	Vial MeOH preserved split	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-05Y	Vial Water preserved split	A	NA		4.4	Y	Absent	21-NOV-18 12:24	NYTCL-8260HLW-R2(14)
L1847727-05Z	Vial Water preserved split	A	NA		4.4	Y	Absent	21-NOV-18 12:24	NYTCL-8260HLW-R2(14)
L1847727-06A	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-06B	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-06C	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-06D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L1847727-06X	Vial MeOH preserved split	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-06Y	Vial Water preserved split	A	NA		4.4	Y	Absent	21-NOV-18 12:24	NYTCL-8260HLW-R2(14)
L1847727-06Z	Vial Water preserved split	A	NA		4.4	Y	Absent	21-NOV-18 12:24	NYTCL-8260HLW-R2(14)
L1847727-07A	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-07B	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-07C	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-07D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L1847727-07X	Vial MeOH preserved split	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-07Y	Vial Water preserved split	A	NA		4.4	Y	Absent	21-NOV-18 12:24	NYTCL-8260HLW-R2(14)
L1847727-07Z	Vial Water preserved split	A	NA		4.4	Y	Absent	21-NOV-18 12:24	NYTCL-8260HLW-R2(14)
L1847727-08A	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-08B	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-08C	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-08D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L1847727-08X	Vial MeOH preserved split	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-08Y	Vial Water preserved split	A	NA		4.4	Y	Absent	21-NOV-18 12:24	NYTCL-8260HLW-R2(14)
L1847727-08Z	Vial Water preserved split	A	NA		4.4	Y	Absent	21-NOV-18 12:24	NYTCL-8260HLW-R2(14)
L1847727-09A	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-09B	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-09C	5 gram Encore Sampler	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)

Project Name: 73-79 WEST HURON STREET SITE
Project Number: B0441-018-001

Serial_No:11291813:25
Lab Number: L1847727
Report Date: 11/29/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1847727-09D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L1847727-09X	Vial MeOH preserved split	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1847727-09Y	Vial Water preserved split	A	NA		4.4	Y	Absent	21-NOV-18 12:24	NYTCL-8260HLW-R2(14)
L1847727-09Z	Vial Water preserved split	A	NA		4.4	Y	Absent	21-NOV-18 12:24	NYTCL-8260HLW-R2(14)

Project Name: 73-79 WEST HURON STREET SITE
Project Number: B0441-018-001

Lab Number: L1847727
Report Date: 11/29/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Report Format: DU Report with 'J' Qualifiers



Project Name: 73-79 WEST HURON STREET SITE
Project Number: B0441-018-001

Lab Number: L1847727
Report Date: 11/29/18

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Project Name: 73-79 WEST HURON STREET SITE
Project Number: B0441-018-001

Lab Number: L1847727
Report Date: 11/29/18

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**EPA 6860:** SCM: Perchlorate**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg. EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page _____ of _____		Date Rec'd in Lab <u>11/21/18</u>		ALPHA Job # <u>L1847727</u>																																																																																																					
		Project Information Project Name: <u>73-79 WASH HURON STREET SITE</u> Project Location: <u>Buffalo NY</u> Project # <u>B0441-018-001</u> (Use Project name as Project #) ☐				Deliverables ☐ ASP-A ☐ ASP-B ☐ EQulS (1 File) ☐ EQulS (4 File) ☐ Other				Billing Information ☐ Same as Client Info PO # _____																																																																																																			
		Client Information Client: <u>Benchmark Env Eng</u> Address: <u>2558 Hamburg Turnpike</u> <u>Buffalo NY 14212</u> Phone: <u>716-856-0599</u> Fax: _____ Email: <u>herbes@benchmarkenv.com</u>				Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge				Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other: _____																																																																																																			
Turn-Around Time Standard ☒ Due Date: _____ Rush (only if pre approved) ☐ # of Days: _____				ANALYSIS				Sample Filtration ☐ Done ☐ Lab to do ☐ Preservation ☐ Lab to do (Please Specify below)		Total Bottles																																																																																																			
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: _____ Please specify Metals or TAL. _____				<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:5%;">VOCs</th> <th style="width:5%;">SVOCs</th> <th style="width:5%;">Metals</th> <th style="width:5%;">PCBs</th> <th style="width:5%;">Pesticides</th> <th style="width:5%;"></th> <th style="width:5%;"></th> <th style="width:5%;"></th> <th style="width:5%;"></th> <th style="width:5%;"></th> </tr> </thead> <tbody> <tr><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>				VOCs	SVOCs		Metals	PCBs	Pesticides							X	X	X	X							X	X	X	X						X										X										X										X										X										X										X										Sample Specific Comments <u>*Please analyze VOCs + SVOCs, hold all other analyses until notified.</u>
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Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type		E A A A A																																																																																																					
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Tank Cleaning

AMERICAN RECYCLERS COMPANY

Waste Profile Report (WPR)

177 Wales Avenue Tonawanda, New York 14151 Phone (716) 695-6720 Fax (716) 695-0161	APPROVAL NUMBER: X-14850IN EXPIRATION DATE: 3/18/2021 HANDLING CODE: B
---	---

Generator: Emerson Huron, LLC EPA ID #: _____
 Address: 73-79 Huron St Contact: Richard L. Dubisz
 City: Buffalo STATE: NY ZIP: 14225 Phone: (716) 856-0635 Fax: _____

Waste Name: <u>Non Hazardous Tank Bottoms</u> Generating Process: <u>Cleaning of Frac Tank</u>	Shipping Name: <u>Non RCRA Non DOT Regulated</u> Rate of Generation: <u>Once</u> Container Type: <u>Tanker</u>
---	--

Composition of Waste	%	%	Phase	%
Tank Bottoms	100 -		Solids	
rust, sludge/solids, water,	-		Liquid	
			Sludge	
			Debris	

Is the material RCRA listed or Characteristicly Hazardous?	☐ YES ☒ NO
Does the material contain Medical or Biological Wastes?	☐ YES ☒ NO
Does the material contain etiological waste?	☐ YES ☒ NO
Does the material contain, or has it come in contact with PCB's?	☐ YES ☒ NO
Is the material radioactive?	☐ YES ☒ NO
Does the material contain septic or domestic sewage?	☐ YES ☒ NO
Is the material Non-Hazardous as defined by RCRA Title 40?	☒ YES ☐ NO

Check all below which apply:

Material is to be shipped and recycled as Universal Waste	☐ YES ☒ NO
Material is to be shipped and recycled under 6 NYCRR Part 371.1(g)(1)(ii)(b) (ie Computer Equipment & monitors)	☐ YES ☒ NO
Material is being shipped for disposal/recycle via facility transfer/consolidation permit	☒ YES ☐ NO
Material is a Labpack and all contents are CERTIFIED as Non-RCRA	☐ YES ☒ NO
List all Lab Pack Container Numbers: (Attach packing slips to profile)	

I certify that the above submitted information (including any attachments) is true, accurate and complete to the best of my knowledge and ability and that all known and suspected hazards have been disclosed. All material offered herein is deemed Non-RCRA.	
Signed: <u>Thomas Forbes</u> as Agent for Generator	Signer Title _____ Company _____
Print: <u>Thomas Forbes</u>	Date: <u>3-20-19</u>

ARC Personnel Reviewed and Approved by:

Approved by:	Print: <u>Tom Martin</u>	Date:
--------------	--------------------------	-------

APPENDIX D

POST-EXCAVATION SOIL ANALYTICAL RESULTS

TABLE 1

**SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
73-79 West Huron Street
Buffalo, NY**

PARAMETER ¹	Restricted Residential Use SCOs ²	Bottom Floor Sample 3/12/2019
<i>Volatile Organic Compounds (VOCs) - mg/Kg³</i>		
1,2,4-Trimethylbenzene	52	0.14
1,3,5-Trimethylbenzene	52	0.039 J
Benzene	4.8	0.052
Ethylbenzene	41	0.14
Isopropylbenzene (Cumene)	--	0.064
n-Butylbenzene	100	0.036 J
n-Propylbenzene	100	0.19
p-Isopropyltoluene	--	0.015 J
sec-Butylbenzene	100	0.034 J
Toluene	100	0.072
m&p-Xylene	See Total Xylene	0.16
o-Xylenes	See Total Xylene	0.05 J
Total Xylenes	100	0.21
Total VOCs	--	0.992
<i>Semi-Volatile Organic Compounds (SVOCs) - mg/Kg³</i>		
Acenaphthene	100	0.086 J
Acenaphthylene	100	0.053 J
Anthracene	100	0.24
Benzo(a)anthracene	1	0.48
Benzo(a)pyrene	1	0.38
Benzo(b)fluoranthene	1	0.54
Benzo(ghi)perylene	100	0.26
Benzo(k)fluoranthene	3.9	0.15
Chrysene	3.9	0.42
Dibenzo(a,h)anthracene	0.33	0.056 J
Fluoranthene	100	0.99
Fluorene	100	0.099 J
Indeno(1,2,3-cd)pyrene	0.5	0.25
Naphthalene	100	0.2
Phenanthrene	100	0.9
Pyrene	100	0.78
Total SVOCs	--	5.884

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; other compounds were reported as non-detect.
2. Values per NYSDEC Part 375 Restricted Residential Soil Cleanup Objectives (SCOs).
3. Sample results were reported by the laboratory in ug/kg and converted to mg/kg for comparisons to SCOs.

Definitions:

ND = Parameter not detected above laboratory detection limit.
 "--" = No value available for the parameter; Parameter not analyzed for.
 J = Estimated value; result is less than the sample quantitation limit but greater than zero.



ANALYTICAL REPORT

Lab Number:	L1909452
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Tom Forbes
Phone:	(716) 856-0599
Project Name:	23-29 HURON ST.
Project Number:	B0477-019-001
Report Date:	03/19/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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



Project Name: 23-29 HURON ST.
Project Number: B0477-019-001

Lab Number: L1909452
Report Date: 03/19/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1909452-01	BOTTOM FLOOR SAMPLE	SOIL	BUFFALO, NY	03/12/19 08:00	03/12/19

Project Name: 23-29 HURON ST.
Project Number: B0477-019-001

Lab Number: L1909452
Report Date: 03/19/19

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 23-29 HURON ST.
Project Number: B0477-019-001

Lab Number: L1909452
Report Date: 03/19/19

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

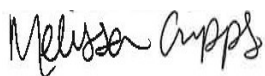
Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

L1909452-01: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

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

Authorized Signature:

 Melissa Cripps

Title: Technical Director/Representative

Date: 03/19/19

ORGANICS

VOLATILES

Project Name: 23-29 HURON ST.**Lab Number:** L1909452**Project Number:** B0477-019-001**Report Date:** 03/19/19**SAMPLE RESULTS**

Lab ID: L1909452-01
 Client ID: BOTTOM FLOOR SAMPLE
 Sample Location: BUFFALO, NY

Date Collected: 03/12/19 08:00
 Date Received: 03/12/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 03/18/19 14:26
 Analyst: MV
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	52		ug/kg	30	10.	1
Toluene	72		ug/kg	61	33.	1
Ethylbenzene	140		ug/kg	61	8.6	1
Methyl tert butyl ether	ND		ug/kg	120	12.	1
p/m-Xylene	160		ug/kg	120	34.	1
o-Xylene	50	J	ug/kg	61	18.	1
n-Butylbenzene	36	J	ug/kg	61	10.	1
sec-Butylbenzene	34	J	ug/kg	61	8.9	1
tert-Butylbenzene	ND		ug/kg	120	7.2	1
Isopropylbenzene	64		ug/kg	61	6.6	1
p-Isopropyltoluene	15	J	ug/kg	61	6.6	1
n-Propylbenzene	190		ug/kg	61	10.	1
1,3,5-Trimethylbenzene	39	J	ug/kg	120	12.	1
1,2,4-Trimethylbenzene	140		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	96		70-130

Project Name: 23-29 HURON ST.

Lab Number: L1909452

Project Number: B0477-019-001

Report Date: 03/19/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/18/19 07:56
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1216994-5					
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Methyl tert butyl ether	10	J	ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
n-Propylbenzene	ND		ug/kg	50	8.6
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 23-29 HURON ST.

Project Number: B0477-019-001

Lab Number: L1909452

Report Date: 03/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1216994-3 WG1216994-4								
Benzene	96		95		70-130	1		30
Toluene	99		97		70-130	2		30
Ethylbenzene	98		98		70-130	0		30
Methyl tert butyl ether	96		95		66-130	1		30
p/m-Xylene	96		94		70-130	2		30
o-Xylene	94		92		70-130	2		30
n-Butylbenzene	101		101		70-130	0		30
sec-Butylbenzene	98		97		70-130	1		30
tert-Butylbenzene	94		94		70-130	0		30
Isopropylbenzene	96		96		70-130	0		30
p-Isopropyltoluene	96		96		70-130	0		30
n-Propylbenzene	100		100		70-130	0		30
1,3,5-Trimethylbenzene	98		98		70-130	0		30
1,2,4-Trimethylbenzene	97		96		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		108		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	106		106		70-130
Dibromofluoromethane	96		96		70-130

SEMIVOLATILES

Project Name: 23-29 HURON ST.**Lab Number:** L1909452**Project Number:** B0477-019-001**Report Date:** 03/19/19**SAMPLE RESULTS**

Lab ID: L1909452-01
 Client ID: BOTTOM FLOOR SAMPLE
 Sample Location: BUFFALO, NY

Date Collected: 03/12/19 08:00
 Date Received: 03/12/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 03/15/19 17:26
 Analyst: RC
 Percent Solids: 81%

Extraction Method: EPA 3546
 Extraction Date: 03/14/19 08:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	86	J	ug/kg	160	21.	1
Fluoranthene	990		ug/kg	120	23.	1
Naphthalene	200		ug/kg	200	25.	1
Benzo(a)anthracene	480		ug/kg	120	23.	1
Benzo(a)pyrene	380		ug/kg	160	50.	1
Benzo(b)fluoranthene	540		ug/kg	120	34.	1
Benzo(k)fluoranthene	150		ug/kg	120	33.	1
Chrysene	420		ug/kg	120	21.	1
Acenaphthylene	53	J	ug/kg	160	32.	1
Anthracene	240		ug/kg	120	40.	1
Benzo(ghi)perylene	260		ug/kg	160	24.	1
Fluorene	99	J	ug/kg	200	20.	1
Phenanthrene	900		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	56	J	ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	250		ug/kg	160	28.	1
Pyrene	780		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	30		23-120
2-Fluorobiphenyl	27	Q	30-120
4-Terphenyl-d14	23		18-120

Project Name: 23-29 HURON ST.

Lab Number: L1909452

Project Number: B0477-019-001

Report Date: 03/19/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 03/15/19 12:49
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 03/14/19 01:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1215364-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	98	19.
Naphthalene	ND		ug/kg	160	20.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	27.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	92		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	105		10-136
4-Terphenyl-d14	82		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 23-29 HURON ST.

Project Number: B0477-019-001

Lab Number: L1909452

Report Date: 03/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1215364-2 WG1215364-3								
Acenaphthene	75		73		31-137	3		50
Fluoranthene	75		70		40-140	7		50
Naphthalene	70		72		40-140	3		50
Benzo(a)anthracene	81		74		40-140	9		50
Benzo(a)pyrene	84		79		40-140	6		50
Benzo(b)fluoranthene	84		78		40-140	7		50
Benzo(k)fluoranthene	80		73		40-140	9		50
Chrysene	77		72		40-140	7		50
Acenaphthylene	80		78		40-140	3		50
Anthracene	74		69		40-140	7		50
Benzo(ghi)perylene	79		73		40-140	8		50
Fluorene	77		73		40-140	5		50
Phenanthrene	75		71		40-140	5		50
Dibenzo(a,h)anthracene	76		70		40-140	8		50
Indeno(1,2,3-cd)pyrene	80		73		40-140	9		50
Pyrene	75		70		35-142	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 23-29 HURON ST.

Project Number: B0477-019-001

Lab Number: L1909452

Report Date: 03/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
-----------	------------------	------	-------------------	------	---------------------	-----	------	---------------

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1215364-2 WG1215364-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	83		87		25-120
Phenol-d6	87		85		10-120
Nitrobenzene-d5	86		87		23-120
2-Fluorobiphenyl	79		76		30-120
2,4,6-Tribromophenol	105		99		10-136
4-Terphenyl-d14	75		71		18-120

INORGANICS & MISCELLANEOUS

Project Name: 23-29 HURON ST.**Project Number:** B0477-019-001**Lab Number:** L1909452**Report Date:** 03/19/19**SAMPLE RESULTS****Lab ID:** L1909452-01**Client ID:** BOTTOM FLOOR SAMPLE**Sample Location:** BUFFALO, NY**Date Collected:** 03/12/19 08:00**Date Received:** 03/12/19**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.3		%	0.100	NA	1	-	03/13/19 11:54	121,2540G	RI



Lab Duplicate Analysis
*Batch Quality Control***Project Name:** 23-29 HURON ST.**Project Number:** B0477-019-001**Lab Number:** L1909452**Report Date:** 03/19/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1215160-1 QC Sample: L1909456-01 Client ID: DUP Sample						
Solids, Total	94.7	94.8	%	0		20

Project Name: 23-29 HURON ST.**Lab Number:** L1909452**Project Number:** B0477-019-001**Report Date:** 03/19/19**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1909452-01A	Glass 120ml/4oz unpreserved	A	NA		3.5	Y	Absent		NYCP51-8260(14)
L1909452-01B	Glass 120ml/4oz unpreserved	A	NA		3.5	Y	Absent		NYCP51-PAH(14),TS(7)
L1909452-01X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		NYCP51-8260(14)
L1909452-01Y	Vial Water preserved split	A	NA		3.5	Y	Absent	14-MAR-19 13:07	NYCP51-8260(14)
L1909452-01Z	Vial Water preserved split	A	NA		3.5	Y	Absent	14-MAR-19 13:07	NYCP51-8260(14)

Project Name: 23-29 HURON ST.
Project Number: B0477-019-001

Lab Number: L1909452
Report Date: 03/19/19

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Report Format: DU Report with 'J' Qualifiers



Project Name: 23-29 HURON ST.
Project Number: B0477-019-001

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Report Date: 03/19/19

original method.

Terms

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

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: 23-29 HURON ST.
Project Number: B0477-019-001

Lab Number: L1909452
Report Date: 03/19/19

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 12

Department: **Quality Assurance**

Published Date: 10/9/2018 4:58:19 PM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**EPA 6860:** SCM: Perchlorate**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg. EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

APPENDIX E

DISCHARGE PERMIT



DRAFT

EPA CATEGORY 40 CFR 403
Expiration Date: September 30, 2019
Date Paid: September 20, 2018

BUFFALO SEWER AUTHORITY
TEMPORARY DISCHARGE PERMIT

Permittee: Emerson Huron LLC c/o McGuire Development Company

Location Address: 455 Cayuga Road, Suite 100, Buffalo, New York 14225

The above named Permittee is hereby approved to discharge **treated groundwater** to the BSA Wastewater Treatment Plant only, from:

73-79 West Huron Street Site (BCP Site No. C915282)
73-79 West Huron Street, Buffalo, New York 14202

to the Buffalo Sewer Authority facilities in accordance with the Buffalo Sewer Authority Regulations, Article VI, Section 14, and subject to the following conditions:

ARTICLE 1 CONDITIONS OF ACCEPTANCE

The discharge of the approved waste by the Permittee shall be subject to the following conditions:

a. Times, Location & Rate

The following location is designated for discharge during the hours listed and subject to the limit for rate of discharge specified:

Location: **73-79 West Huron Street, Buffalo, New York 14202**

Time Discharge is Permitted: **7:30am – 4pm, Monday - Friday**

Limit on Rate of Discharge: **60 gallons per minute, Buffalo Sewer Authority Wastewater Treatment Plant only, dry weather only**

b. Operations

The Permittee shall maintain cleanliness, minimize odors, ensure necessary sediment control measures are in place and maintained and protect the Buffalo Sewer Authority facilities during the permittee's operations. The Permittee shall not permit any condition to arise which may pose a threat to public health or safety.



c. Samples and Analyses

The Buffalo Sewer Authority may from time to time, require the Permittee to sample and analyze its waste discharges. Such sampling and analyses shall be performed and results submitted by a New York State Dept. of Health certified laboratory. The analyses required shall be as specified by the Buffalo Sewer Authority, which also reserves the right, at its convenience, to sample wastes discharged by the Permittee.

d. Refusal to Discharge

The Buffalo Sewer Authority may refuse the Permittee permission to discharge wastes at any time and for any reason whatsoever, for the protection of sewer facilities against damage or flooding; to assure the proper operation and maintenance of said facilities; or to protect public health, safety or welfare.

e. Local Limits

Except as otherwise specified in this permit, the permit holder shall comply with all specific prohibitions, limits on pollutants or pollutant parameters set forth in the Buffalo Sewer Authority Sewer Use Regulations, as amended from time to time, and such prohibitions, limits and parameters shall be deemed pretreatment standards for purposes for the Clean Water Act.

ARTICLE 2 REGULATIONS

The Permittee must conform to all Buffalo Sewer Authority regulations and appropriate Federal, State and County Statutes, rules, mandates, directives, and orders concerning the collection, transportation, treatment and disposal of wastewaters.

ARTICLE 3 INSURANCE AND INDEMNIFICATION

The Permittee, agrees to indemnify and hold harmless the Buffalo Sewer Authority and its agents and employees against any and all claims resulting from work performed under this permit. The permittee shall be solely responsible for any and all injury or damage to its employees or property arising from use of Buffalo Sewer Authority facilities under this permit.

In the event of any alteration, non-renewal or cancellation of these policies, at least (45) forty-five days advance notice shall be given to the Industrial Waste Section, Bird Island Treatment Plant, 90 West Ferry Street, Buffalo, New York 14213 - before such change shall be effective.



DRAFT

Permit No.: 18-09-TP257

ARTICLE 4 TERMINATION FOR VIOLATION OF AGREEMENT

In the event of a violation of any of the terms and conditions of this permit by the Permittee or upon the failure to pay the charges herein specified, the Buffalo Sewer Authority shall terminate the permit by service of notice of termination by registered mail at the Permittee's office address as set forth above.

ARTICLE 5 PERMITTEE APPROVAL

Official: Jim Dentinger Title: president
Print Name Print

Signature: [Signature] Date: 9/27/18

ARTICLE 6 BUFFALO SEWER AUTHORITY APPROVAL

Approved as to Content:

Signature: _____ Date: _____
Industrial Waste Administrator

Effective this _____ day of _____, 2018

General Manager
Buffalo Sewer Authority

DRAFT

Permit No.: 18-09-TP257

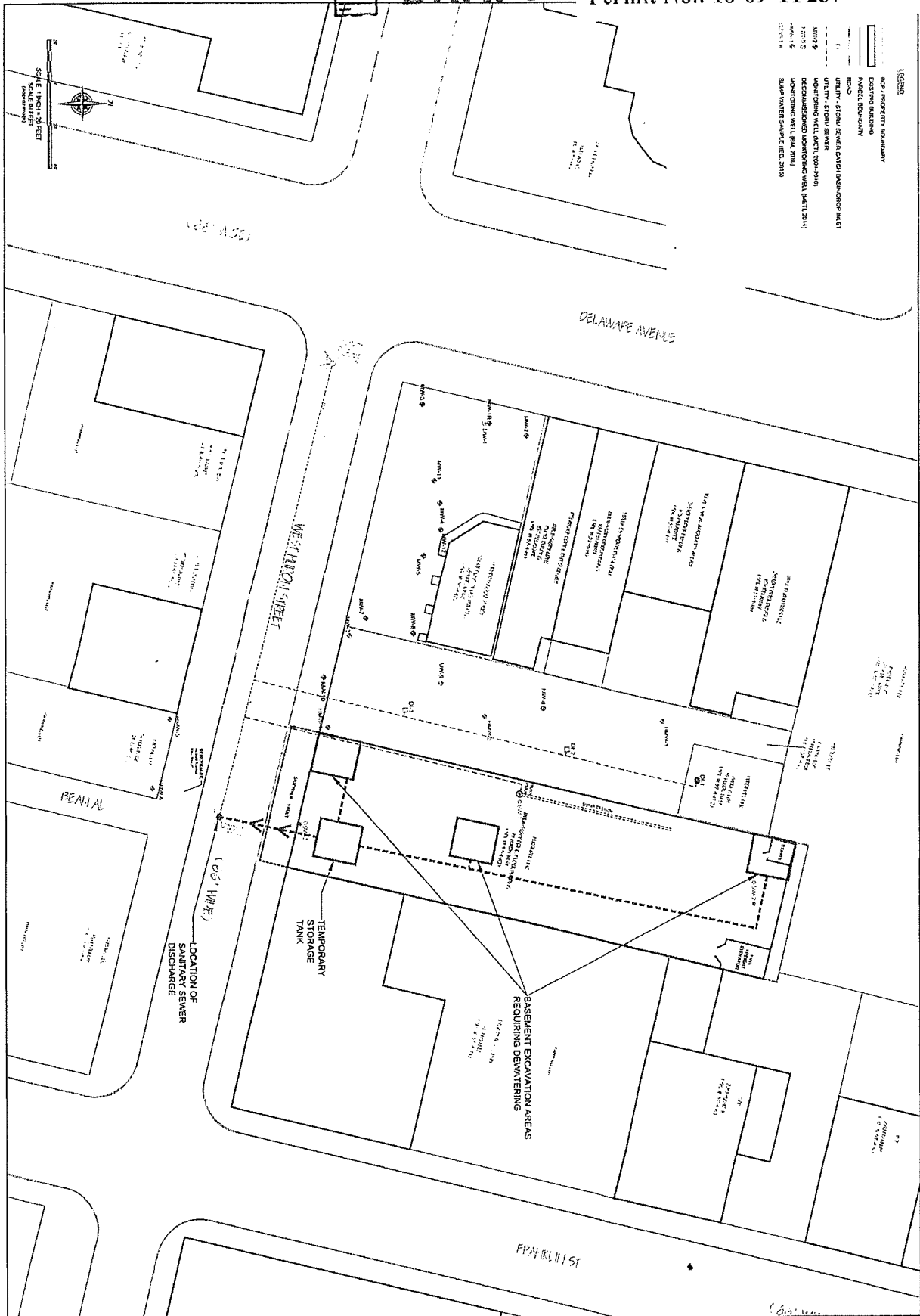


FIGURE 1	BSA TEMPORARY DISCHARGE PERMIT APPLICATION POST COC CONSTRUCTION DEWATERING ACTIVITIES BCP SITE NO. C915282 13-14 WEST HURON STREET BUFFALO, NEW YORK EVERSON-HURON LLC		DRAWN BY: CMC DATE: MAY 2018 CHECKED BY: APPROVED BY:	REVISIONS <table border="1"><thead><tr><th>NO.</th><th>BY</th><th>DATE</th><th>REMARKS</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>		NO.	BY	DATE	REMARKS																																					BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE PLLC 2550 HAMBURG TURNPIKE SUITE 300 BUFFALO, NY 14218 (716) 858-0599 JOB NO. 0441-017002
	NO.	BY	DATE	REMARKS																																										

APPENDIX F

IMPORT DOCUMENTS

Emerson School of Hospitality Stone Deliveries**Source: New Enterprise Stone Lime Co.**

TICKET	DATE	TONS	HAULER	ITEM
50255786	11/29/18	20.40	Pariso	2cr
50255773	11/29/18	24.13	Pariso	2cr
50256776	12/12/18	7.78	Pariso	2cr
50257034	12/17/18	9.11	Mil35	2cr
50257284	12/19/18	24.03	Pariso	2cr
50257285	12/19/18	22.39	Pariso	2cr
50257291	12/19/18	22.07	Pariso	2cr
50257480	12/26/19	19.38		2cr
50258116	1/9/19	18.48	Mil35	2cr
50258206	1/11/19	17.43	Mil26	2cr
50258208	1/11/19	18.72	Mil28	2cr
50258228	1/11/19	18.11	Mil28	2cr
50258237	1/11/19	17.67	Mil28	2cr
20558266	1/14/19	19.89	Mil28	2cr
50258274	1/14/19	21.64	Mil28	2cr
50258283	1/14/19	20.35	Mil28	2cr
50258322	1/15/19	22.56	Mil28	2cr
50258306	1/15/19	20.77	Mil28	2cr
50258956	2/4/19	20.43	Mil28	2cr
50258987	2/4/19	22.16	Mil28	2cr
50258015	2/4/19	21.34	Mil28	2cr
50259033	2/4/19	21.42	Mil28	2cr
50259057	2/4/19	19.62	Mil28	2cr
50259079	2/5/19	20.27	Mil28	2cr
50259096	2/5/19	19.50	Mil28	2cr
50259115	2/5/19	20.14	Mil28	2cr
50259141	2/5/19	19.47	Mil28	2cr
50259158	2/5/19	19.64	Mil28	2cr
50259199	2/6/19	20.17	Mil26	2cr
50259214	2/6/19	19.80	Mil26	2cr
50259325	2/7/19	21.02	Mil28	2cr
50259336	2/7/19	18.76	Mil28	2cr
50259383	2/7/19	18.29	Mil28	2cr
50259398	2/7/19	18.70	Mil28	2cr
50260741	3/8/19	19.15	Mil28	2cr
50260765	3/8/19	19.53	Mil28	2cr
50260784	3/8/19	20.69	Mil28	2cr
50260795	3/8/19	17.82	Mil28	2cr
50260809	3/8/19	19.05	Mil28	2cr
50260819	3/8/19	17.85	Mil28	2cr
50260829	3/8/19	21.81	Mil28	2cr
50261724	3/22/19	18.61	Mil26	1&2
50261834	3/25/19	17.91	Mil26	2cr

840 Tons

APPENDIX G

COMMUNITY AIR MONITORING DATA

COMMUNITY AIR MONITORING DAILY LOG

Date: 11/13/18
Project: Emerson Huron
Job No.: B0441-018-001
Client: Emerson Huron

WEATHER CONDITIONS:

Time of Day:	A.M.	P.M.
Ambient Air Temp.:	37	37 °C
Wind Direction:	WNW	NW
Wind Speed:	9mph	12mph
Precipitation:		Small Rain

LOCATION of ACTIVITIES/MONITORING STATIONS (Provide Sketch on Attached Map): Down wind of activities

Started w/ camp #4, switched to #2

DESCRIPTION OF SITE ACTIVITIES: Excavating footer and hauling material off site.
took down camp around 1330 due to small rain

PARTICULATE MONITORING	Location	Time	Value	Duration	Corrective Measures Taken (Eng Controls/Work Stoppage, etc.)
Exceedence of 100 ug/m3 ¹	—	—	NA		
Exceedence of 150 ug/m3 ¹					
Visual Observation of Fugitive Dust			NA		
			NA		
			NA		

VOC MONITORING	Location	Time	Value	Duration	Corrective Measures Taken (Eng Controls/Work Stoppage, etc.)
Exceedence of 5 ppm ¹	—	—	NA		Temporarily halt Work and continue monitoring
Reading of 5 to 25 ppm ¹					Temporarily halt Work, abate emissions with corrective actions and continue monitoring ³
Exceedence of 25 ppm ²					Shut Down Work Immediately and notify Site Safety & Health Officer

1. Above background for 15 minute moving average.

2. Above background at Site perimeter (indicate location on attached sketch)

3. Work may resume when total VOC conc. 200 ft downwind or half the distance to nearest receptor (whichever is less) is below 5 ppm for 15 min.

NOTE: All exceedences are to be reported to Benchmark within 15 minutes.

Prepared By: CCB Date: 11/13/18
Checked By: _____ Date: _____

Date/Time	Mass Conc.	Mass Conc.	Peak (ppm)	VOC (Avg15)	Latitude	Longitude
11/13/2018 9:35	0.009	0.009	0.227	0.07		
11/13/2018 10:02	0	0	0.023	0.002		
11/13/2018 10:03	0	0	0.023	0.001		
11/13/2018 10:04	0	0	0.023	0.0007		
11/13/2018 10:05	0	0	0.023	0.0005		
11/13/2018 10:06	0	0	0.023	0.0004		
11/13/2018 10:07	0	0	0.023	0.0003		
11/13/2018 10:08	0	0	0.023	0.0003		
11/13/2018 10:09	0	0	0.023	0.0003		
11/13/2018 10:10	0	0	0.023	0.0002		
11/13/2018 10:11	0	0	0.023	0.0002		
11/13/2018 10:12	0	0	0.023	0.0002		
11/13/2018 10:13	0	0	0.023	0.0002		
11/13/2018 10:14	0	0	0.023	0.0002		
11/13/2018 10:15	0	0	0.023	0.0001		
11/13/2018 10:16	0	0	0.023	0.0001		
11/13/2018 10:17	0	0	0.023	0		
11/13/2018 10:18	0	0	0.023	0		
11/13/2018 10:19	0	0	0.023	0		
11/13/2018 10:20	0	0	0.023	0		
11/13/2018 10:21	0	0	0.023	0		
11/13/2018 10:22	0	0	0.023	0		
11/13/2018 10:23	0	0	0.023	0		
11/13/2018 10:24	0	0	0.023	0		
11/13/2018 10:25	0	0	0.023	0		
11/13/2018 10:26	0	0	0.023	0		
11/13/2018 10:27	0	0	0.023	0		
11/13/2018 10:28	0	0	0.023	0		
11/13/2018 10:29	0	0	0.023	0		
11/13/2018 10:30	0.049	0.0033	0.023	0		
11/13/2018 10:31	0.047	0.0064	0.023	0		
11/13/2018 10:32	0.047	0.0095	0.023	0		
11/13/2018 10:33	0.051	0.0129	0.023	0		
11/13/2018 10:34	0.052	0.0164	0.023	0		
11/13/2018 10:35	0.052	0.0199	0.023	0		
11/13/2018 10:36	0.052	0.0233	0.023	0		
11/13/2018 10:37	0.052	0.0268	0.023	0		
11/13/2018 10:38	0.052	0.0303	0.023	0		
11/13/2018 10:39	0.052	0.0337	0.023	0		
11/13/2018 10:40	0.052	0.0372	0.023	0		
11/13/2018 10:41	0.052	0.0407	0.023	0		
11/13/2018 10:42	0.052	0.0441	0.023	0		
11/13/2018 10:43	0.052	0.0476	0.023	0		
11/13/2018 10:44	0.052	0.0511	0.023	0		
11/13/2018 10:45	0.052	0.0513	0.023	0		

Date/Time	Mass Conc.	Mass Conc.	Peak (ppm)	VOC (Avg15)	Latitude	Longitude
11/13/2018 10:46	0.052	0.0516	0.023	0		
11/13/2018 10:47	0.052	0.0519	0.023	0		
11/13/2018 10:48	0.052	0.052	0.023	0		
11/13/2018 10:49	0.052	0.052	0.023	0		
11/13/2018 10:50	0.052	0.052	0.023	0		
11/13/2018 10:51	0.052	0.052	0.023	0		
11/13/2018 10:52	0.052	0.052	0.023	0		
11/13/2018 10:53	0.052	0.052	0.023	0		
11/13/2018 10:54	0.052	0.052	0.023	0		
11/13/2018 10:55	0.052	0.052	0.023	0		
11/13/2018 10:56	0.052	0.052	0.023	0		
11/13/2018 10:57	0.052	0.052	0.023	0		
11/13/2018 10:58	0.052	0.052	0.023	0		
11/13/2018 10:59	0.052	0.052	0.023	0		
11/13/2018 11:00	0.052	0.052	0.023	0		
11/13/2018 11:01	0.052	0.052	0.023	0		
11/13/2018 11:02	0.052	0.052	0.023	0		
11/13/2018 11:03	0.052	0.052	0.023	0		
11/13/2018 11:04	0.052	0.052	0.023	0		
11/13/2018 11:05	0.052	0.052	0.023	0		
11/13/2018 11:06	0.052	0.052	0.023	0		
11/13/2018 11:07	0.052	0.052	0.023	0		
11/13/2018 11:08	0.052	0.052	0.023	0		
11/13/2018 11:09	0.052	0.052	0.023	0		
11/13/2018 11:10	0.052	0.052	0.023	0		
11/13/2018 11:11	0.052	0.052	0.023	0		
11/13/2018 11:12	0.052	0.052	0.023	0		
11/13/2018 11:13	0.052	0.052	0.023	0		
11/13/2018 11:14	0.052	0.052	0.023	0		
11/13/2018 11:15	0.052	0.052	0.023	0		
11/13/2018 11:16	0.052	0.052	0.023	0		
11/13/2018 11:17	0.052	0.052	0.023	0		
11/13/2018 11:18	0.052	0.052	0.023	0		
11/13/2018 11:21	0.052	0.052	0.023	0		
11/13/2018 11:22	0.052	0.052	0.023	0		
11/13/2018 11:23	0.052	0.052	0.023	0		
11/13/2018 11:24	0.052	0.052	0.023	0		
11/13/2018 11:25	0.052	0.052	0.023	0		
11/13/2018 11:26	0.052	0.052	0.023	0		
11/13/2018 11:27	0.052	0.052	0.023	0		
11/13/2018 11:28	0.052	0.052	0.023	0		
11/13/2018 11:29	0.052	0.052	0.023	0		
11/13/2018 11:30	0.052	0.052	0.023	0	42.8894	-78.8768
11/13/2018 11:31	0.052	0.052	0.023	0	42.8894	-78.8768
11/13/2018 11:32	0.052	0.052	0.023	0	42.8894	-78.8768

Date/Time	Mass Conc.	Mass Conc.	Peak (ppm)	VOC (Avg15)	Latitude	Longitude
11/13/2018 11:33	0.052	0.052	0.023	0	42.8893	-78.8769
11/13/2018 11:34	0.052	0.052	0.023	0	42.8894	-78.8769
11/13/2018 11:35	0.052	0.052	0.023	0	42.8894	-78.8769
11/13/2018 11:36	0.052	0.052	0.023	0	42.8894	-78.8769
11/13/2018 11:37	0.052	0.052	0.023	0	42.8894	-78.8769
11/13/2018 11:38	0.052	0.052	0.023	0	42.8894	-78.8769
11/13/2018 11:39	0.052	0.052	0.023	0	42.8894	-78.8769
11/13/2018 11:40	0.052	0.052	0.023	0	42.8894	-78.8769
11/13/2018 11:41	0.052	0.052	0.023	0	42.8894	-78.8768
11/13/2018 11:42	0.052	0.052	0.023	0	42.8894	-78.8768
11/13/2018 11:43	0.052	0.052	0.023	0	42.8894	-78.8768
11/13/2018 11:44	0.052	0.052	0.023	0	42.8894	-78.8768
11/13/2018 11:45	0.052	0.052	0.023	0	42.8893	-78.8768
11/13/2018 11:46	0.052	0.052	0.023	0	42.8893	-78.8768
11/13/2018 11:47	0.052	0.052	0.023	0	42.8893	-78.8768
11/13/2018 11:48	0.052	0.052	0.023	0	42.8893	-78.8768
11/13/2018 11:49	0.052	0.052	0.023	0	42.8893	-78.8768
11/13/2018 11:50	0.052	0.052			42.8893	-78.8768
11/13/2018 11:51	0.052	0.052	0.023	0	42.8894	-78.8767
11/13/2018 11:52	0.052	0.052	0.023	0	42.8894	-78.8768
11/13/2018 11:53	0.052	0.052	0.023	0	42.8894	-78.8765
11/13/2018 11:54	0.052	0.052	0.023	0	42.8894	-78.8765
11/13/2018 11:55	0.052	0.052	0.023	0	42.8894	-78.8765
11/13/2018 11:56	0.052	0.052	0.023	0	42.8894	-78.8765
11/13/2018 11:57	0.052	0.052	0.023	0	42.8894	-78.8766
11/13/2018 11:58	0.052	0.052	0.023	0	42.8894	-78.8766
11/13/2018 11:59	0.052	0.052	0.023	0	42.8894	-78.8764
11/13/2018 12:00	0.052	0.052	0.023	0	42.8893	-78.8765
11/13/2018 12:01	0.052	0.052	0.023	0	42.8893	-78.8766
11/13/2018 12:02	0.052	0.052	0.023	0	42.8893	-78.8766
11/13/2018 12:03	0.052	0.052	0.023	0	42.8893	-78.8767
11/13/2018 12:04	0.052	0.052	0.023	0	42.8892	-78.8767
11/13/2018 12:05	0.052	0.052	0.023	0	42.8892	-78.8767
11/13/2018 12:06	0.052	0.052	0.023	0	42.8892	-78.8767
11/13/2018 12:07	0.052	0.052	0.023	0	42.8893	-78.8766
11/13/2018 12:08	0.052	0.052	0.023	0	42.8893	-78.8766
11/13/2018 12:09	0.052	0.052	0.023	0	42.8893	-78.8765
11/13/2018 12:10	0.052	0.052	0.023	0	42.8893	-78.8765
11/13/2018 12:11	0.052	0.052	0.023	0	42.8893	-78.8765
11/13/2018 12:12	0.052	0.052	0.023	0	42.8896	-78.8765
11/13/2018 12:13	0.052	0.052	0.023	0	42.8895	-78.8765
11/13/2018 12:14	0.052	0.052	0.023	0	42.8901	-78.8765
11/13/2018 12:15	0.052	0.052	0.023	0	42.89	-78.8766
11/13/2018 12:16	0.052	0.052	0.023	0	42.8908	-78.877
11/13/2018 12:17	0.052	0.052	0.023	0	42.8908	-78.877

Date/Time	Mass Conc.	Mass Conc.	Peak (ppm)	VOC (Avg15)	Latitude	Longitude
11/13/2018 12:18	0.052	0.052	0.023	0	42.8909	-78.877
11/13/2018 12:19	0.052	0.052	0.023	0	42.8909	-78.8769
11/13/2018 12:20	0.052	0.052	0.023	0	42.8909	-78.8769
11/13/2018 12:21	0.052	0.052	0.023	0	42.8909	-78.8769
11/13/2018 12:22	0.052	0.052	0.023	0	42.8909	-78.877
11/13/2018 12:23	0.052	0.052	0.023	0	42.8911	-78.8769
11/13/2018 12:24	0.052	0.052	0.023	0	42.8911	-78.8768
11/13/2018 12:25	0.052	0.052	0.023	0	42.891	-78.8768
11/13/2018 12:26	0.052	0.052	0.023	0	42.891	-78.8768
11/13/2018 12:27	0.052	0.052	0.023	0	42.8908	-78.8768
11/13/2018 12:28	0.052	0.052	0.023	0	42.8908	-78.8769
11/13/2018 12:29	0.052	0.052	0.023	0	42.8907	-78.8769
11/13/2018 12:30	0.052	0.052	0.023	0	42.8908	-78.8766
11/13/2018 12:31	0.052	0.052	0.023	0	42.8906	-78.8764
11/13/2018 12:32	0.052	0.052	0.023	0	42.8902	-78.8766
11/13/2018 12:33	0.052	0.052	0.023	0	42.8901	-78.8768
11/13/2018 12:34	0.052	0.052	0.023	0	42.8898	-78.877
11/13/2018 12:35	0.052	0.052	0.023	0	42.8896	-78.877
11/13/2018 12:36	0.052	0.052	0.023	0	42.8898	-78.8769
11/13/2018 12:37	0.052	0.052	0.023	0	42.8897	-78.8767
11/13/2018 12:38	0.052	0.052	0.023	0	42.8892	-78.8769
11/13/2018 12:39	0.052	0.052	0.023	0	42.8894	-78.8768
11/13/2018 12:40	0.052	0.052	0.023	0	42.8895	-78.8768
11/13/2018 12:41	0.052	0.052	0.023	0	42.8896	-78.8768
11/13/2018 12:45	0.052	0.052	0.023	0	42.8895	-78.8765
11/13/2018 12:46	0.052	0.052	0.023	0	42.8895	-78.8766
11/13/2018 12:47	0.052	0.052	0.023	0	42.8895	-78.8765
11/13/2018 12:48	0.052	0.052	0.023	0	42.8895	-78.8767
11/13/2018 12:49	0.052	0.052	0.023	0	42.8894	-78.877
11/13/2018 12:50	0.052	0.052	0.023	0	42.8894	-78.877
11/13/2018 12:51	0.052	0.052	0.023	0	42.8895	-78.8768
11/13/2018 12:52	0.052	0.052	0.023	0	42.8894	-78.8767
11/13/2018 12:53	0.052	0.052	0.023	0	42.8896	-78.8764
11/13/2018 12:54	0.052	0.052	0.023	0	42.8896	-78.8766
11/13/2018 12:55	0.052	0.052	0.023	0	42.8896	-78.8766
11/13/2018 12:56	0.052	0.052	0.023	0	42.8895	-78.8766
11/13/2018 12:57	0.052	0.052	0.023	0	42.8894	-78.877
11/13/2018 12:58	0.052	0.052	0.023	0	42.8894	-78.8769
11/13/2018 12:59	0.037	0.051	0.023	0	42.8894	-78.8768
11/13/2018 13:00	0.087	0.0533	0.023	0	42.8894	-78.8768
11/13/2018 13:01	0.087	0.0557	0.023	0	42.8894	-78.8768
11/13/2018 13:02	0.087	0.058	0.023	0	42.8894	-78.8768
11/13/2018 13:03	0.087	0.0603	0.023	0	42.8894	-78.8771
11/13/2018 13:04	0.087	0.0627	0.023	0	42.8893	-78.8771
11/13/2018 13:05	0.087	0.065	0.023	0	42.8893	-78.8771

Date/Time	Mass Conc.	Mass Conc.	Peak (ppm)	VOC (Avg15)	Latitude	Longitude
11/13/2018 13:06	0.087	0.0673	0.023	0	42.8894	-78.877
11/13/2018 13:07	0.087	0.0697	0.023	0	42.8894	-78.877
11/13/2018 13:08	0.087	0.072	0.023	0	42.8894	-78.8771
11/13/2018 13:09	0.087	0.0743	0.023	0	42.8894	-78.877
11/13/2018 13:10	0.087	0.0767	0.023	0	42.8894	-78.8771
11/13/2018 13:11	0.087	0.079	0.023	0	42.8894	-78.8772
11/13/2018 13:12	0.087	0.0813	0.023	0	42.8894	-78.8767
11/13/2018 13:13	0.087	0.0837	0.041	0.0001	42.8894	-78.8768
11/13/2018 13:14	0.087	0.087	0.065	0.0001	42.8894	-78.8768
11/13/2018 13:15	0.087	0.087	0.065	0.0001	42.8894	-78.8769
11/13/2018 13:16	0.087	0.087	0.065	0.0001	42.8894	-78.877
11/13/2018 13:17	0.087	0.087	0.065	0.0001	42.8894	-78.8769
11/13/2018 13:18	0.087	0.087	0.065	0.0001	42.8894	-78.8768
11/13/2018 13:19	0.087	0.087	0.065	0.0001	42.8894	-78.8768
11/13/2018 13:20	0.087	0.087	0.065	0.0001	42.8894	-78.8768
11/13/2018 13:21	0.087	0.087	0.065	0.0001	42.8894	-78.8767
11/13/2018 13:22	0.087	0.087	0.065	0.0001	42.8894	-78.8768
11/13/2018 13:23	0.087	0.087	0.065	0.0001	42.8894	-78.8769
11/13/2018 13:24	0.087	0.087	0.065	0.0001	42.8894	-78.8769
11/13/2018 13:25	0.087	0.087	0.065	0.0001	42.8894	-78.8768
11/13/2018 13:26	0.087	0.087	0.065	0.0001	42.8894	-78.8768
11/13/2018 13:27	0.087	0.087	0.065	0.0001	42.8894	-78.8767
11/13/2018 13:28	0.087	0.087	0.065	0	42.8894	-78.8767
11/13/2018 13:29	0.087	0.087	0.065	0	42.8894	-78.8767
11/13/2018 13:30	0.087	0.087	0.065	0	42.8894	-78.8767
11/13/2018 13:31	0.087	0.087	0.065	0	42.8894	-78.8767
11/13/2018 13:32	0.087	0.087	0.065	0	42.8894	-78.8767
11/13/2018 13:33	0.087	0.087	0.065	0	42.8894	-78.8764
11/13/2018 13:34	0.087	0.087	0.065	0	42.8894	-78.8764
11/13/2018 13:35	0.087	0.087	0.065	0	42.8894	-78.8764
11/13/2018 13:36	0.087	0.087	0.065	0	42.8894	-78.8764
11/13/2018 13:37	0.087	0.087	0.065	0	42.8894	-78.8764
11/13/2018 13:38	0.087	0.087	0.065	0		
11/13/2018 13:40	0.087	0.087				
11/13/2018 13:41	0.087	0.087	0.065	0	42.8893	-78.8766
11/13/2018 13:42	0.087	0.087	0.065	0	42.8893	-78.8767
11/13/2018 13:43	0.087	0.087	0.065	0	42.8894	-78.8767
11/13/2018 13:44	0.087	0.087	0.065	0	42.8894	-78.8767
11/13/2018 13:45	0.087	0.087	0.065	0	42.8894	-78.8767
11/13/2018 13:46	0.087	0.087	0.065	0	42.8893	-78.8768
11/13/2018 13:47	0.087	0.087	0.065	0	42.8893	-78.8767
11/13/2018 13:48	0.087	0.087	0.065	0	42.8894	-78.8766
11/13/2018 13:49	0.087	0.087	0.065	0		

COMMUNITY AIR MONITORING DAILY LOG

Date: 11/14/18
Project: B0441-018-001
Job No.: Emerson Huron
Client: Emerson Huron LLC

WEATHER CONDITIONS:

Time of Day:	A.M.	P.M.
Ambient Air Temp.:	27	32
Wind Direction:	W	W
Wind Speed:	14 mph	13 mph
Precipitation:	0 light snow	0

LOCATION of ACTIVITIES/MONITORING STATIONS (Provide Sketch on Attached Map): CAMP #2, down wind of activities

DESCRIPTION OF SITE ACTIVITIES: Excavating facies and hauling material off-site.
CAMP setup location is limited, results may be skewed due to car/truck exhaust.

PARTICULATE MONITORING	Location	Time	Value	Duration	Corrective Measures Taken (Eng Controls/Work Stoppage, etc.)
Exceedence of 100 ug/m3 ¹	—	—	NA		
Exceedence of 150 ug/m3 ¹					
Visual Observation of Fugitive Dust			NA		
			NA		
			NA		

VOC MONITORING	Location	Time	Value	Duration	Corrective Measures Taken (Eng Controls/Work Stoppage, etc.)
Exceedence of 5 ppm ¹	—	—	NA		Temporarily halt Work and continue monitoring
Reading of 5 to 25 ppm ¹					Temporarily halt Work, abate emissions with corrective actions and continue monitoring ³
Exceedence of 25 ppm ²					Shut Down Work Immediately and notify Site Safety & Health Officer

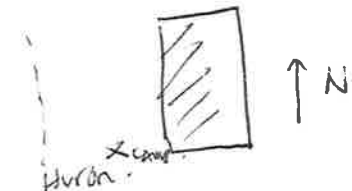
1. Above background for 15 minute moving average.

2. Above background at Site perimeter (indicate location on attached sketch)

3. Work may resume when total VOC conc. 200 ft downwind or half the distance to nearest receptor (whichever is less) is below 5 ppm for 15 min.

NOTE: All exceedences are to be reported to Benchmark within 15 minutes.

Prepared By: CCB Date: 11/14/18
Checked By: _____ Date: _____



Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Peak (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/14/2018 7:21	0.005	0.005	0.009	0	42.8892	-78.8767
11/14/2018 7:22	0.006	0.0055	0.009	0	42.8892	-78.8767
11/14/2018 7:23	0.006	0.0057	0.009	0	42.8892	-78.8767
11/14/2018 7:24	0.006	0.0058	0.009	0	42.8892	-78.8766
11/14/2018 7:25	0.006	0.0058	0.009	0	42.8892	-78.8766
11/14/2018 7:26	0.006	0.0058	0.009	0	42.8892	-78.8766
11/14/2018 7:27	0.006	0.0059	0.009	0	42.8892	-78.8766
11/14/2018 7:28	0.006	0.0059	0.009	0	42.8892	-78.8766
11/14/2018 7:29	0.006	0.0059	0.009	0	42.8892	-78.8766
11/14/2018 7:30	0.006	0.0059	0.009	0	42.8892	-78.8766
11/14/2018 7:31	0.006	0.0059	0.009	0	42.8892	-78.8766
11/14/2018 7:32	0.006	0.0059	0.009	0	42.8892	-78.8766
11/14/2018 7:33	0.006	0.0059	0.009	0	42.8892	-78.8767
11/14/2018 7:34	0.006	0.0059	0.009	0	42.8892	-78.8767
11/14/2018 7:35	0.006	0.0059	0.009	0	42.8892	-78.8767
11/14/2018 7:36	0.006	0.006	0.009	0	42.8892	-78.8767
11/14/2018 7:37	0.006	0.006	0.009	0	42.8892	-78.8767
11/14/2018 7:38	0.006	0.006	0.009	0	42.8892	-78.8768
11/14/2018 7:39	0.006	0.006	0.009	0	42.8892	-78.8768
11/14/2018 7:40	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 7:41	0.006	0.006	0.009	0	42.8892	-78.8767
11/14/2018 7:42	0.006	0.006	0.009	0	42.8892	-78.8767
11/14/2018 7:43	0.006	0.006	0.009	0	42.8892	-78.8767
11/14/2018 7:44	0.006	0.006	0.009	0	42.8892	-78.8768
11/14/2018 7:45	0.006	0.006	0.009	0	42.8892	-78.8768
11/14/2018 7:46	0.006	0.006	0.009	0	42.8893	-78.8768
11/14/2018 7:47	0.006	0.006	0.009	0	42.8893	-78.8768
11/14/2018 7:48	0.006	0.006	0.009	0	42.8893	-78.8768
11/14/2018 7:49	0.006	0.006	0.009	0	42.8893	-78.8768
11/14/2018 7:50	0.006	0.006	0.009	0	42.8893	-78.8768
11/14/2018 7:51	0.006	0.006	0.009	0	42.8893	-78.8768
11/14/2018 7:52	0.006	0.006	0.009	0	42.8893	-78.8768
11/14/2018 7:53	0.006	0.006	0.009	0	42.8893	-78.8768
11/14/2018 7:54	0.006	0.006	0.009	0	42.8893	-78.8768
11/14/2018 7:55	0.006	0.006	0.009	0	42.8893	-78.8767
11/14/2018 7:56	0.006	0.006	0.009	0	42.8893	-78.8767
11/14/2018 7:57	0.006	0.006	0.009	0	42.8893	-78.8767
11/14/2018 7:58	0.006	0.006	0.009	0	42.8893	-78.8766
11/14/2018 7:59	0.006	0.006				
11/14/2018 8:00	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 8:01	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 8:02	0.006	0.006	0.009	0	42.8893	-78.8764
11/14/2018 8:03	0.006	0.006	0.009	0	42.8893	-78.8764
11/14/2018 8:04	0.006	0.006	0.009	0	42.8893	-78.8764
11/14/2018 8:05	0.006	0.006	0.009	0	42.8893	-78.8764
11/14/2018 8:06	0.006	0.006	0.009	0	42.8893	-78.8764
11/14/2018 8:07	0.006	0.006	0.009	0	42.8893	-78.8764
11/14/2018 8:08	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 8:09	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 8:10	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 8:11	0.006	0.006	0.009	0	42.8893	-78.8764
11/14/2018 8:12	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 8:13	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 8:14	0.006	0.006	0.009	0	42.8894	-78.8766
11/14/2018 8:15	0.006	0.006	0.009	0	42.8894	-78.8767
11/14/2018 8:16	0.006	0.006	0.009	0	42.8894	-78.8767
11/14/2018 8:17	0.006	0.006	0.009	0	42.8894	-78.8767

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Peak (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/14/2018 8:18	0.006	0.006	0.009	0	42.8894	-78.8766
11/14/2018 8:19	0.006	0.006	0.009	0	42.8894	-78.8766
11/14/2018 8:20	0.006	0.006	0.009	0	42.8894	-78.8766
11/14/2018 8:21	0.006	0.006	0.009	0	42.8894	-78.8766
11/14/2018 8:22	0.006	0.006	0.009	0	42.8894	-78.8766
11/14/2018 8:23	0.006	0.006	0.009	0	42.8894	-78.8765
11/14/2018 8:24	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 8:25	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 8:26	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 8:27	0.006	0.006	0.009	0	42.8893	-78.8766
11/14/2018 8:28	0.006	0.006	0.009	0	42.8894	-78.8766
11/14/2018 8:29	0.006	0.006	0.009	0	42.8894	-78.8766
11/14/2018 8:30	0.006	0.006	0.009	0	42.8894	-78.8767
11/14/2018 8:31	0.006	0.006	0.009	0	42.8894	-78.8767
11/14/2018 8:32	0.006	0.006	0.009	0	42.8894	-78.8767
11/14/2018 8:33	0.006	0.006	0.009	0	42.8894	-78.8767
11/14/2018 8:34	0.006	0.006	0.009	0	42.8893	-78.8768
11/14/2018 8:35	0.006	0.006	0.009	0	42.8893	-78.8768
11/14/2018 8:36	0.006	0.006	0.009	0	42.8893	-78.8769
11/14/2018 8:37	0.006	0.006	0.009	0.0001	42.8893	-78.8769
11/14/2018 8:38	0.006	0.006	0.009	0.0001	42.8893	-78.8769
11/14/2018 8:39	0.006	0.006	0.009	0.0001	42.8893	-78.8769
11/14/2018 8:40	0.006	0.006	0.009	0.0001	42.8893	-78.8769
11/14/2018 8:41	0.006	0.006	0.009	0.0001	42.8893	-78.8769
11/14/2018 8:42	0.006	0.006	0.009	0.0001	42.8892	-78.8769
11/14/2018 8:43	0.006	0.006	0.009	0.0001	42.8892	-78.8769
11/14/2018 8:44	0.006	0.006	0.009	0.0001	42.8893	-78.8768
11/14/2018 8:45	0.006	0.006	0.009	0.0001	42.8893	-78.8768
11/14/2018 8:46	0.006	0.006	0.009	0.0001	42.8893	-78.8768
11/14/2018 8:47	0.006	0.006	0.009	0.0001	42.8893	-78.8768
11/14/2018 8:48	0.006	0.006	0.009	0.0001	42.8893	-78.8768
11/14/2018 8:49	0.006	0.006	0.009	0.0001	42.8893	-78.8769
11/14/2018 8:50	0.006	0.006	0.009	0.0001	42.8892	-78.8769
11/14/2018 8:51	0.006	0.006	0.009	0.0001	42.8892	-78.8769
11/14/2018 8:52	0.006	0.006	0.009	0	42.8892	-78.8769
11/14/2018 8:53	0.006	0.006	0.009	0	42.8892	-78.8769
11/14/2018 8:54	0.006	0.006	0.009	0	42.8892	-78.8769
11/14/2018 8:55	0.006	0.006	0.009	0	42.8892	-78.8769
11/14/2018 8:56	0.006	0.006	0.009	0	42.8892	-78.8769
11/14/2018 8:57	0.006	0.006	0.009	0	42.8892	-78.8769
11/14/2018 8:58	0.006	0.006	0.009	0	42.8892	-78.8769
11/14/2018 8:59	0.006	0.006	0.009	0	42.8892	-78.8768
11/14/2018 9:00	0.006	0.006	0.009	0	42.8892	-78.8768
11/14/2018 9:01	0.006	0.006	0.009	0	42.8892	-78.8768
11/14/2018 9:02	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 9:03	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 9:04	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 9:05	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 9:06	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 9:07	0.006	0.006	0.009	0	42.8892	-78.8765
11/14/2018 9:08	0.006	0.006	0.009	0		
11/14/2018 9:09	0	0.0056	0.009	0	42.8893	-78.8765
11/14/2018 9:10	0.006	0.0056	0.009	0	42.8893	-78.8765
11/14/2018 9:11	0.006	0.0056	0.009	0	42.8893	-78.8765
11/14/2018 9:12	0.006	0.0056	0.009	0	42.8893	-78.8765
11/14/2018 9:13	0.006	0.0056	0.009	0	42.8894	-78.8764
11/14/2018 9:14	0.006	0.0056	0.009	0	42.8894	-78.8764

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Peak (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/14/2018 9:15	0.006	0.0056	0.009	0	42.8893	-78.8764
11/14/2018 9:16	0.006	0.0056	0.009	0	42.8893	-78.8764
11/14/2018 9:17	0.006	0.0056	0.009	0	42.8894	-78.8764
11/14/2018 9:18	0.006	0.0056	0.009	0	42.8893	-78.8764
11/14/2018 9:19	0.006	0.0056	0.009	0	42.8892	-78.8765
11/14/2018 9:20	0.006	0.0056	0.009	0	42.8891	-78.8766
11/14/2018 9:22	0.006	0.0056	0.009	0	42.8889	-78.8768
11/14/2018 9:23	0.006	0.0056	0.009	0	42.8888	-78.8769
11/14/2018 9:24	0.006	0.006	0.009	0	42.8887	-78.877
11/14/2018 9:25	0.006	0.006	0.009	0	42.8884	-78.8772
11/14/2018 9:26	0.006	0.006	0.009	0	42.8883	-78.8773
11/14/2018 9:27	0.006	0.006	0.009	0	42.8882	-78.8774
11/14/2018 9:28	0.006	0.006	0.009	0	42.8885	-78.8771
11/14/2018 9:29	0.006	0.006	0.009	0	42.8892	-78.8765
11/14/2018 9:30	0.006	0.006	0.009	0	42.8892	-78.8765
11/14/2018 9:31	0.006	0.006	0.009	0	42.8891	-78.8766
11/14/2018 9:32	0.006	0.006	0.009	0	42.8891	-78.8766
11/14/2018 9:33	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 9:34	0.006	0.006	0.009	0	42.8893	-78.8764
11/14/2018 9:35	0.006	0.006	0.009	0	42.8893	-78.8764
11/14/2018 9:36	0.006	0.006	0.009	0	42.8893	-78.8764
11/14/2018 9:37	0.006	0.006	0.009	0	42.8892	-78.8765
11/14/2018 9:38	0.006	0.006	0.009	0	42.8892	-78.8765
11/14/2018 9:39	0.006	0.006	0.009	0	42.8892	-78.8765
11/14/2018 9:40	0.006	0.006	0.009	0	42.8892	-78.8765
11/14/2018 9:41	0.006	0.006	0.009	0	42.8892	-78.8764
11/14/2018 9:42	0.006	0.006	0.009	0	42.8892	-78.8765
11/14/2018 9:43	0.011	0.0063	0.009	0	42.8892	-78.8765
11/14/2018 9:44	0.006	0.0063	0.009	0	42.8892	-78.8765
11/14/2018 9:45	0.006	0.0063	0.009	0	42.8892	-78.8765
11/14/2018 9:46	0.006	0.0063	0.009	0	42.8892	-78.8765
11/14/2018 9:47	0.006	0.0063	0.009	0	42.8892	-78.8765
11/14/2018 9:48	0.006	0.0063	0.009	0	42.8892	-78.8765
11/14/2018 9:49	0.006	0.0063	0.009	0	42.8892	-78.8764
11/14/2018 9:50	0.006	0.0063	0.009	0	42.8893	-78.8764
11/14/2018 9:51	0.006	0.0063	0.009	0	42.8893	-78.8764
11/14/2018 9:52	0.006	0.0063	0.009	0	42.8893	-78.8764
11/14/2018 9:53	0.006	0.0063	0.009	0	42.8893	-78.8765
11/14/2018 9:54	0.006	0.0063	0.009	0	42.8892	-78.8765
11/14/2018 9:55	0.006	0.0063	0.009	0	42.8893	-78.8765
11/14/2018 9:56	0.006	0.0063	0.009	0	42.8893	-78.8765
11/14/2018 10:03	0.006	0.006	0.009	0	42.8891	-78.8765
11/14/2018 10:04	0.006	0.006	0.009	0	42.8891	-78.8765
11/14/2018 10:05	0.006	0.006	0.009	0	42.8891	-78.8765
11/14/2018 10:06	0.006	0.006	0.009	0	42.8892	-78.8765
11/14/2018 10:07	0.006	0.006	0.009	0	42.8892	-78.8765
11/14/2018 10:08	0.006	0.006	0.009	0	42.8892	-78.8765
11/14/2018 10:09	0.006	0.006	0.009	0	42.8892	-78.8765
11/14/2018 10:10	0.006	0.006	0.009	0	42.8891	-78.8765
11/14/2018 10:11	0.006	0.006	0.009	0	42.8891	-78.8765
11/14/2018 10:12	0.006	0.006	0.009	0	42.8892	-78.8765
11/14/2018 10:13	0.006	0.006	0.009	0	42.8891	-78.8765
11/14/2018 10:14	0.006	0.006	0.009	0	42.8891	-78.8765
11/14/2018 10:15	0.006	0.006	0.009	0	42.8892	-78.8764
11/14/2018 10:16	0.006	0.006	0.009	0	42.8893	-78.8764
11/14/2018 10:17	0.006	0.006	0.009	0	42.8892	-78.8765
11/14/2018 10:18	0.006	0.006	0.009	0	42.8891	-78.8766

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Peak (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/14/2018 10:19	0.006	0.006	0.009	0	42.8891	-78.8767
11/14/2018 10:20	0.006	0.006	0.009	0	42.889	-78.8767
11/14/2018 10:21	0.006	0.006	0.009	0	42.889	-78.8766
11/14/2018 10:22	0.006	0.006	0.009	0	42.8891	-78.8766
11/14/2018 10:23	0.006	0.006	0.009	0	42.8892	-78.8765
11/14/2018 10:24	0.006	0.006	0.009	0	42.889	-78.8769
11/14/2018 10:25	0.006	0.006	0.009	0	42.8888	-78.8768
11/14/2018 10:26	0.006	0.006	0.009	0	42.8887	-78.8767
11/14/2018 10:27	0.006	0.006	0.009	0	42.8889	-78.8771
11/14/2018 10:28	0.006	0.006	0.009	0	42.8889	-78.8771
11/14/2018 10:29	0.006	0.006	0.009	0	42.8888	-78.877
11/14/2018 10:30	0.006	0.006	0.009	0	42.8888	-78.8769
11/14/2018 10:31	0.006	0.006	0.009	0	42.8889	-78.8765
11/14/2018 10:32	0.006	0.006	0.009	0	42.889	-78.8768
11/14/2018 10:33	0.006	0.006	0.009	0	42.889	-78.877
11/14/2018 10:34	0.006	0.006	0.009	0	42.8888	-78.8771
11/14/2018 10:35	0.006	0.006	0.009	0	42.8891	-78.8768
11/14/2018 10:36	0.006	0.006	0.009	0	42.8891	-78.8768
11/14/2018 10:37	0.006	0.006	0.009	0	42.8891	-78.8767
11/14/2018 10:38	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 10:39	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 10:40	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 10:41	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 10:42	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 10:43	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 10:44	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 10:45	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 10:46	0.006	0.006	0.009	0	42.8892	-78.8767
11/14/2018 10:47	0.006	0.006	0.009	0	42.8892	-78.8767
11/14/2018 10:48	0.006	0.006	0.009	0	42.8892	-78.8767
11/14/2018 10:49	0.006	0.006	0.009	0	42.8892	-78.8767
11/14/2018 10:50	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 10:51	0.006	0.006	0.009	0	42.8893	-78.8766
11/14/2018 10:52	0.006	0.006	0.009	0	42.8893	-78.8766
11/14/2018 10:53	0.006	0.006	0.009	0	42.8893	-78.8766
11/14/2018 10:54	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 10:55	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 10:56	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 10:57	0.006	0.006	0.009	0	42.8893	-78.8766
11/14/2018 10:58	0.006	0.006	0.009	0	42.8893	-78.8766
11/14/2018 10:59	0.006	0.006	0.009	0	42.8893	-78.8766
11/14/2018 11:00	0.006	0.006	0.009	0	42.8893	-78.8767
11/14/2018 11:01	0.006	0.006	0.009	0	42.8893	-78.8767
11/14/2018 11:02	0.006	0.006	0.009	0	42.8893	-78.8766
11/14/2018 11:03	0.006	0.006	0.009	0	42.8893	-78.8766
11/14/2018 11:04	0.006	0.006	0.009	0	42.8893	-78.8767
11/14/2018 11:05	0.006	0.006	0.009	0	42.8893	-78.8767
11/14/2018 11:06	0.006	0.006	0.009	0	42.8893	-78.8767
11/14/2018 11:07	0.006	0.006	0.009	0	42.8893	-78.8766
11/14/2018 11:08	0.006	0.006	0.009	0	42.8893	-78.8766
11/14/2018 11:09	0.006	0.006	0.009	0	42.8893	-78.8766
11/14/2018 11:10	0.006	0.006	0.009	0	42.8893	-78.8768
11/14/2018 11:11	0.006	0.006	0.009	0	42.8893	-78.8768
11/14/2018 11:12	0.006	0.006	0.009	0	42.8893	-78.8769
11/14/2018 11:13	0.006	0.006	0.009	0	42.8893	-78.8769
11/14/2018 11:14	0.006	0.006	0.009	0	42.8892	-78.877
11/14/2018 11:15	0.006	0.006	0.009	0	42.8892	-78.877

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Peak (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/14/2018 11:16	0.006	0.006	0.009	0	42.8892	-78.877
11/14/2018 11:17	0.006	0.006	0.009	0	42.8892	-78.877
11/14/2018 11:18	0.006	0.006	0.009	0	42.8892	-78.877
11/14/2018 11:19	0.006	0.006	0.009	0	42.8892	-78.877
11/14/2018 11:20	0.006	0.006	0.009	0	42.8892	-78.877
11/14/2018 11:21	0.006	0.006	0.009	0	42.8892	-78.8769
11/14/2018 11:22	0.006	0.006	0.009	0	42.8892	-78.8769
11/14/2018 11:23	0.006	0.006	0.009	0	42.8892	-78.8769
11/14/2018 11:24	0.006	0.006	0.009	0	42.8892	-78.8769
11/14/2018 11:25	0.006	0.006	0.009	0	42.8892	-78.8769
11/14/2018 11:26	0.006	0.006	0.009	0	42.8892	-78.8769
11/14/2018 11:28	0.006	0.006				
11/14/2018 11:29	0.006	0.006	0.009	0	42.8892	-78.8769
11/14/2018 11:30	0.006	0.006	0.009	0	42.8892	-78.8769
11/14/2018 11:31	0.006	0.006	0.009	0	42.8892	-78.8769
11/14/2018 11:32	0.006	0.006	0.009	0	42.8892	-78.8769
11/14/2018 11:33	0.006	0.006	0.009	0	42.8892	-78.8768
11/14/2018 11:34	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 11:35	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 11:36	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 11:37	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 11:38	0.006	0.006	0.009	0	42.8893	-78.8766
11/14/2018 11:39	0.006	0.006	0.009	0	42.8893	-78.8766
11/14/2018 11:40	0.006	0.006	0.009	0	42.8892	-78.8767
11/14/2018 11:42	0.006	0.006	0.009	0	42.8892	-78.8767
11/14/2018 11:43	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 11:44	0.006	0.006	0.009	0	42.8892	-78.8767
11/14/2018 11:45	0.006	0.006	0.009	0	42.8892	-78.8767
11/14/2018 11:46	0.006	0.006	0.009	0	42.8892	-78.8767
11/14/2018 11:47	0.006	0.006	0.009	0	42.8892	-78.8767
11/14/2018 11:48	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 11:49	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 11:50	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 11:51	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 11:52	0.006	0.006	0.009	0	42.8891	-78.8767
11/14/2018 11:53	0.006	0.006	0.009	0	42.8891	-78.8767
11/14/2018 11:54	0.006	0.006	0.009	0	42.8891	-78.8768
11/14/2018 11:55	0.006	0.006	0.009	0	42.889	-78.8768
11/14/2018 11:56	0.006	0.006	0.009	0	42.889	-78.8768
11/14/2018 11:57	0.006	0.006	0.009	0	42.889	-78.8768
11/14/2018 11:58	0.006	0.006	0.009	0	42.889	-78.8768
11/14/2018 11:59	0.006	0.006	0.009	0	42.889	-78.8768
11/14/2018 12:00	0.006	0.006	0.009	0	42.889	-78.8768
11/14/2018 12:01	0.006	0.006	0.009	0	42.889	-78.8768
11/14/2018 12:02	0.006	0.006	0.009	0	42.889	-78.8767
11/14/2018 12:03	0.006	0.006	0.009	0	42.889	-78.8767
11/14/2018 12:04	0.006	0.006	0.009	0	42.889	-78.8767
11/14/2018 12:05	0.006	0.006	0.009	0	42.8891	-78.8765
11/14/2018 12:06	0.006	0.006	0.009	0	42.8891	-78.8765
11/14/2018 12:07	0.006	0.006	0.009	0	42.8892	-78.8765
11/14/2018 12:08	0.006	0.006	0.009	0	42.8892	-78.8765
11/14/2018 12:09	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 12:10	0.006	0.006	0.009	0	42.8891	-78.8766
11/14/2018 12:11	0.006	0.006	0.009	0	42.8891	-78.8766
11/14/2018 12:12	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 12:13	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 12:14	0.006	0.006	0.009	0	42.8892	-78.8766

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Peak (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/14/2018 12:15	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 12:16	0.006	0.006	0.009	0	42.8892	-78.8765
11/14/2018 12:17	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 12:18	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 12:19	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 12:20	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 12:21	0.006	0.006	0.009	0	42.8894	-78.8765
11/14/2018 12:22	0.006	0.006	0.009	0	42.8894	-78.8765
11/14/2018 12:23	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 12:24	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 12:25	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 12:26	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 12:27	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 12:28	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 12:29	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 12:30	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 12:31	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 12:32	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 12:33	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 12:34	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 12:35	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 12:36	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 12:39	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 12:40	0.006	0.006	0.009	0	42.8893	-78.8765
11/14/2018 12:41	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 12:42	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 12:43	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 12:44	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 12:45	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 12:46	0.006	0.006	0.009	0	42.8892	-78.8766
11/14/2018 12:47	0.006	0.006	0.01	0	42.8893	-78.8765
11/14/2018 12:48	0.006	0.006	0.01	0	42.8893	-78.8765
11/14/2018 12:49	0.006	0.006	0.01	0	42.8893	-78.8765
11/14/2018 12:50	0.006	0.006	0.01	0	42.8893	-78.8765
11/14/2018 12:51	0.006	0.006	0.01	0	42.8893	-78.8765
11/14/2018 12:52	0.006	0.006	0.01	0	42.8893	-78.8765
11/14/2018 12:53	0.006	0.006	0.01	0	42.8893	-78.8765
11/14/2018 12:54	0.006	0.006	0.01	0	42.8893	-78.8765
11/14/2018 12:55	0.006	0.006	0.01	0	42.8893	-78.8765
11/14/2018 12:56	0.006	0.006	0.01	0	42.8892	-78.8765
11/14/2018 12:57	0.006	0.006	0.01	0	42.8893	-78.8765
11/14/2018 12:58	0.006	0.006	0.01	0	42.8893	-78.8765
11/14/2018 12:59	0.006	0.006	0.01	0	42.8892	-78.8765
11/14/2018 13:00	0.006	0.006	0.01	0	42.8892	-78.8765
11/14/2018 13:01	0.006	0.006	0.01	0	42.8892	-78.8765
11/14/2018 13:02	0.006	0.006	0.01	0	42.8892	-78.8765
11/14/2018 13:03	0.006	0.006	0.01	0	42.8892	-78.8765
11/14/2018 13:04	0.006	0.006	0.01	0	42.8892	-78.8765
11/14/2018 13:05	0.006	0.006	0.01	0	42.8892	-78.8766
11/14/2018 13:06	0.006	0.006	0.01	0	42.8892	-78.8766
11/14/2018 13:07	0.006	0.006	0.01	0	42.8892	-78.8766
11/14/2018 13:08	0.006	0.006	0.01	0	42.8892	-78.8766
11/14/2018 13:09	0.006	0.006	0.01	0	42.8892	-78.8766
11/14/2018 13:10	0.006	0.006	0.01	0	42.8892	-78.8765
11/14/2018 13:11	0.006	0.006	0.01	0	42.8892	-78.8765
11/14/2018 13:12	0.006	0.006	0.01	0	42.8893	-78.8765
11/14/2018 13:13	0.006	0.006	0.01	0	42.8893	-78.8766

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Peak (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/14/2018 13:14	0.006	0.006	0.01	0	42.8892	-78.8766
11/14/2018 13:15	0.006	0.006	0.01	0	42.8893	-78.8766
11/14/2018 13:16	0.006	0.006	0.01	0	42.8893	-78.8766
11/14/2018 13:17	0.006	0.006	0.01	0	42.8892	-78.8766
11/14/2018 13:18	0.006	0.006	0.01	0	42.8892	-78.8767
11/14/2018 13:19	0.006	0.006	0.01	0	42.8892	-78.8767
11/14/2018 13:20	0.006	0.006	0.01	0	42.8892	-78.8766
11/14/2018 13:21	0.006	0.006	0.01	0	42.8892	-78.8766
11/14/2018 13:22	0.006	0.006	0.01	0	42.8892	-78.8767
11/14/2018 13:23	0.006	0.006	0.01	0	42.8892	-78.8768
11/14/2018 13:24	0.006	0.006	0.01	0	42.8892	-78.8769
11/14/2018 13:25	0.006	0.006	0.01	0	42.8892	-78.877
11/14/2018 13:26	0.006	0.006	0.01	0	42.8892	-78.8769
11/14/2018 13:27	0.006	0.006	0.01	0	42.8892	-78.8769
11/14/2018 13:28	0.006	0.006	0.01	0	42.8892	-78.8769
11/14/2018 13:29	0.006	0.006	0.01	0	42.8892	-78.8768
11/14/2018 13:30	0.006	0.006	0.01	0	42.8892	-78.8768
11/14/2018 13:31	0.006	0.006	0.01	0	42.8892	-78.8768
11/14/2018 13:32	0.006	0.006	0.01	0	42.8892	-78.8769
11/14/2018 13:33	0.006	0.006	0.01	0	42.8892	-78.8769
11/14/2018 13:34	0.006	0.006	0.01	0	42.8892	-78.877
11/14/2018 13:35	0.006	0.006	0.01	0	42.8892	-78.877
11/14/2018 13:36	0.007	0.0061	0.01	0	42.8892	-78.877
11/14/2018 13:37	0.018	0.0069	0.01	0	42.8892	-78.877
11/14/2018 13:38	0.018	0.0077	0.01	0	42.8891	-78.8771
11/14/2018 13:39	0.018	0.0085	0.01	0	42.8891	-78.8772
11/14/2018 13:40	0.018	0.0093	0.01	0	42.8891	-78.8771
11/14/2018 13:41	0.018	0.0101	0.01	0	42.8891	-78.877
11/14/2018 13:42	0.018	0.0109	0.01	0	42.8891	-78.877
11/14/2018 13:43	0.018	0.0117	0.01	0	42.8892	-78.8768
11/14/2018 13:44	0.018	0.0125	0.01	0	42.8892	-78.8767
11/14/2018 13:45	0.018	0.0133	0.01	0	42.8892	-78.8767
11/14/2018 13:46	0.018	0.0141	0.01	0	42.8892	-78.8766
11/14/2018 13:47	0.018	0.0149	0.01	0	42.8892	-78.8766
11/14/2018 13:48	0.018	0.0157	0.01	0	42.8892	-78.8767
11/14/2018 13:49	0.018	0.0165	0.01	0	42.8892	-78.8768
11/14/2018 13:50	0.018	0.0173	0.01	0	42.8892	-78.8768
11/14/2018 13:51	0.018	0.018	0.01	0	42.8892	-78.8768
11/14/2018 13:52	0.018	0.018	0.01	0	42.8892	-78.8768
11/14/2018 13:53	0.018	0.018	0.01	0	42.8892	-78.8768
11/14/2018 13:54	0.018	0.018	0.01	0	42.8892	-78.8767
11/14/2018 13:55	0.018	0.018	0.01	0	42.8892	-78.8767
11/14/2018 13:56	0.018	0.018	0.01	0	42.8892	-78.8767
11/14/2018 13:57	0.018	0.018	0.01	0	42.8892	-78.8766
11/14/2018 13:58			0.01	0	42.8892	-78.8766
11/14/2018 14:00	0.018	0.018	0.01	0	42.8892	-78.8767
11/14/2018 14:01	0.018	0.018	0.01	0	42.8892	-78.8767
11/14/2018 14:02	0.018	0.018	0.01	0	42.8892	-78.8767
11/14/2018 14:03	0.018	0.018	0.01	0	42.8892	-78.8767
11/14/2018 14:04	0.018	0.018	0.01	0	42.8892	-78.8767
11/14/2018 14:05	0.018	0.018	0.01	0	42.8892	-78.8767
11/14/2018 14:06	0.018	0.018	0.01	0	42.8891	-78.8768
11/14/2018 14:07	0.018	0.018	0.01	0	42.8891	-78.8769
11/14/2018 14:08	0.018	0.018	0.01	0	42.8892	-78.8767
11/14/2018 14:09	0.018	0.018	0.01	0	42.8892	-78.8767
11/14/2018 14:10	0.018	0.018	0.01	0	42.8892	-78.8766
11/14/2018 14:11	0.018	0.018			42.8892	-78.8766

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Peak (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/14/2018 14:13	0.018	0.018	0.01	0	42.8892	-78.8767
11/14/2018 14:14	0.018	0.018	0.01	0	42.8891	-78.8767
11/14/2018 14:15	0.018	0.018	0.01	0	42.8891	-78.8767
11/14/2018 14:16	0.018	0.018	0.01	0	42.8891	-78.8767
11/14/2018 14:17	0.018	0.018	0.01	0	42.8891	-78.8767
11/14/2018 14:18	0.018	0.018	0.01	0	42.8892	-78.8763
11/14/2018 14:19	0.018	0.018	0.01	0	42.8892	-78.8763
11/14/2018 14:20	0.018	0.018	0.01	0	42.8892	-78.8764
11/14/2018 14:21	0.018	0.018	0.01	0	42.8893	-78.8764
11/14/2018 14:22	0.018	0.018	0.01	0	42.8893	-78.8764
11/14/2018 14:23	0.018	0.018	0.01	0	42.8893	-78.8764
11/14/2018 14:25	0.018	0.018	0.01	0	42.8893	-78.8764
11/14/2018 14:26	0.018	0.018	0.01	0	42.8893	-78.8764
11/14/2018 14:27	0.018	0.018	0.01	0	42.8892	-78.8765
11/14/2018 14:28	0.018	0.018	0.01	0	42.8892	-78.8765
11/14/2018 14:29	0.018	0.018	0.01	0	42.8893	-78.8765
11/14/2018 14:30	0.018	0.018	0.01	0	42.8893	-78.8765
11/14/2018 14:31	0.018	0.018	0.01	0	42.8893	-78.8765
11/14/2018 14:32	0.018	0.018	0.01	0	42.8892	-78.8765
11/14/2018 14:33	0.018	0.018	0.01	0	42.8892	-78.8765
11/14/2018 14:34	0.018	0.018	0.01	0	42.8892	-78.8766
11/14/2018 14:35	0.018	0.018	0.01	0	42.889	-78.8768
11/14/2018 14:36	0.018	0.018	0.01	0	42.8892	-78.8766
11/14/2018 14:37	0.018	0.018	0.01	0	42.8893	-78.8765
11/14/2018 14:38	0.018	0.018	0.01	0	42.8892	-78.8765
11/14/2018 14:39	0.018	0.018	0.01	0	42.8892	-78.8765
11/14/2018 14:40	0.018	0.018	0.01	0	42.8892	-78.8765
11/14/2018 14:41	0.018	0.018	0.01	0	42.8892	-78.8765
11/14/2018 14:42	0.018	0.018	0.01	0	42.8892	-78.8765
11/14/2018 14:43	0.018	0.018	0.01	0	42.8892	-78.8765
11/14/2018 14:44	0.018	0.018	0.01	0	42.8892	-78.8765
11/14/2018 14:45	0.018	0.018	0.01	0	42.8892	-78.8765
11/14/2018 14:46	0.018	0.018	0.01	0	42.8892	-78.8765
11/14/2018 14:47	0.018	0.018	0.01	0	42.8892	-78.8765
11/14/2018 14:48	0.018	0.018	0.01	0	42.8891	-78.8766
11/14/2018 14:49	0.018	0.018	0.01	0	42.8891	-78.8766
11/14/2018 14:50	0.018	0.018	0.01	0	42.8892	-78.8766
11/14/2018 14:51	0.018	0.018	0.01	0	42.8892	-78.8766
11/14/2018 14:52	0.018	0.018	0.01	0	42.8892	-78.8766
11/14/2018 14:53	0.018	0.018	0.01	0	42.8892	-78.8765
11/14/2018 14:54	0.018	0.018	0.01	0	42.8892	-78.8765
11/14/2018 14:55	0.018	0.018	0.01	0	42.8892	-78.8765
11/14/2018 14:56	0.018	0.018	0.01	0	42.8892	-78.8765
11/14/2018 14:57	0.018	0.018	0.01	0	42.8892	-78.8765

COMMUNITY AIR MONITORING DAILY LOG

Date: 11/15/18
Project: Emerson / Huron
Job No.: B0441-018-001
Client: Emerson Huron LLC

WEATHER CONDITIONS:

Time of Day:	A.M.	P.M.
Ambient Air Temp.:	<u>26.0°</u>	
Wind Direction:	<u>ENE</u>	
Wind Speed:	<u>11mph</u>	
Precipitation:	<u>NA</u>	

LOCATION of ACTIVITIES/MONITORING STATIONS (Provide Sketch on Attached Map): Down wind of activities

DESCRIPTION OF SITE ACTIVITIES: Excavating footers + hauling material off site

PARTICULATE MONITORING	Location	Time	Value	Duration	Corrective Measures Taken (Eng Controls/Work Stoppage, etc.)
Exceedence of 100 ug/m3 ¹	<u>—</u>	<u>—</u>	<u>NA</u>		
Exceedence of 150 ug/m3 ¹					
Visual Observation of Fugitive Dust			NA		
			NA		
			NA		

VOC MONITORING	Location	Time	Value	Duration	Corrective Measures Taken (Eng Controls/Work Stoppage, etc.)
Exceedence of 5 ppm ¹	<u>—</u>	<u>—</u>	<u>NA</u>		Temporarily halt Work and continue monitoring
Reading of 5 to 25 ppm ¹					Temporarily halt Work, abate emissions with corrective actions and continue monitoring ³
Exceedence of 25 ppm ²					Shut Down Work Immediately and notify Site Safety & Health Officer

1. Above background for 15 minute moving average.

2. Above background at Site perimeter (indicate location on attached sketch)

3. Work may resume when total VOC conc. 200 ft downwind or half the distance to nearest receptor (whichever is less) is below 5 ppm for 15 min.

NOTE: All exceedences are to be reported to Benchmark within 15 minutes.

Prepared By: CCB Date: 11/15/18
Checked By: _____ Date: _____



Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Peak (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/15/2018 12:19			0.276	0	42.8893	-78.8765
11/15/2018 12:18			0.276	0	42.8893	-78.8765
11/15/2018 12:17	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 12:16	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 12:15	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 12:14	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 12:13	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 12:12	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 12:11	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 12:10	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 12:09	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 12:08	0.025	0.025	0.276	0	42.8892	-78.8766
11/15/2018 12:07	0.025	0.025	0.276	0	42.8891	-78.8766
11/15/2018 12:06	0.025	0.025	0.276	0	42.8891	-78.8766
11/15/2018 12:05	0.025	0.025	0.276	0	42.8891	-78.8766
11/15/2018 12:04	0.025	0.025	0.276	0	42.8891	-78.8766
11/15/2018 12:03	0.025	0.025	0.276	0	42.8891	-78.8766
11/15/2018 12:02	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 12:01	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 12:00	0.025	0.025	0.276	0	42.8889	-78.8767
11/15/2018 11:59	0.025	0.025	0.276	0	42.8889	-78.8768
11/15/2018 11:58	0.025	0.025	0.276	0	42.8889	-78.8768
11/15/2018 11:57	0.025	0.025	0.276	0	42.8889	-78.8768
11/15/2018 11:56	0.025	0.025	0.276	0	42.889	-78.8768
11/15/2018 11:55	0.025	0.025	0.276	0	42.889	-78.8768
11/15/2018 11:54	0.025	0.025	0.276	0	42.889	-78.8768
11/15/2018 11:53	0.025	0.025	0.276	0	42.889	-78.8769
11/15/2018 11:52	0.025	0.025	0.276	0	42.8889	-78.877
11/15/2018 11:51	0.025	0.025	0.276	0	42.8889	-78.877
11/15/2018 11:50	0.025	0.025	0.276	0	42.8889	-78.8771
11/15/2018 11:49	0.025	0.025	0.276	0	42.889	-78.877
11/15/2018 11:48	0.025	0.025	0.276	0	42.889	-78.877
11/15/2018 11:47	0.025	0.025	0.276	0	42.889	-78.877
11/15/2018 11:46	0.025	0.025	0.276	0	42.889	-78.877
11/15/2018 11:45	0.025	0.025	0.276	0	42.889	-78.877
11/15/2018 11:44	0.025	0.025	0.276	0	42.889	-78.877
11/15/2018 11:43	0.025	0.025	0.276	0	42.889	-78.877
11/15/2018 11:42	0.025	0.025	0.276	0	42.8891	-78.877
11/15/2018 11:41	0.025	0.025	0.276	0	42.8891	-78.877
11/15/2018 11:40	0.025	0.025	0.276	0	42.8891	-78.877
11/15/2018 11:39	0.025	0.025	0.276	0	42.8891	-78.877
11/15/2018 11:38	0.025	0.025	0.276	0	42.8891	-78.877
11/15/2018 11:37	0.025	0.025	0.276	0	42.8891	-78.877
11/15/2018 11:36	0.025	0.025	0.276	0	42.8891	-78.877
11/15/2018 11:35	0.025	0.025	0.276	0	42.8891	-78.877
11/15/2018 11:34	0.025	0.025	0.276	0	42.8891	-78.8771
11/15/2018 11:33	0.025	0.025	0.276	0	42.8891	-78.8771
11/15/2018 11:32	0.025	0.025	0.276	0	42.8891	-78.8772
11/15/2018 11:31	0.025	0.025	0.276	0	42.8891	-78.8772
11/15/2018 11:30	0.025	0.025	0.276	0	42.8891	-78.8771
11/15/2018 11:29	0.025	0.025	0.276	0	42.8891	-78.8771
11/15/2018 11:28	0.025	0.025	0.276	0	42.8891	-78.8771
11/15/2018 11:27	0.025	0.025	0.276	0	42.8891	-78.877
11/15/2018 11:26	0.025	0.025	0.276	0	42.8891	-78.877
11/15/2018 11:25	0.025	0.025	0.276	0	42.8892	-78.877
11/15/2018 11:24	0.025	0.025	0.276	0	42.8892	-78.877
11/15/2018 11:23	0.025	0.025	0.276	0	42.8892	-78.8769

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Peak (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/15/2018 11:22	0.025	0.025	0.276	0	42.8892	-78.8769
11/15/2018 11:21	0.025	0.025	0.276	0	42.8892	-78.8768
11/15/2018 11:20	0.025	0.025	0.276	0	42.8893	-78.8767
11/15/2018 11:19	0.025	0.025	0.276	0	42.8893	-78.8767
11/15/2018 11:18	0.025	0.025	0.276	0	42.8893	-78.8767
11/15/2018 11:17	0.025	0.025	0.276	0	42.8892	-78.8768
11/15/2018 11:16	0.025	0.025	0.276	0	42.8892	-78.8769
11/15/2018 11:15	0.025	0.025	0.276	0	42.8892	-78.8771
11/15/2018 11:14	0.025	0.025	0.276	0	42.8892	-78.8772
11/15/2018 11:13	0.025	0.025	0.276	0	42.8892	-78.8773
11/15/2018 11:12	0.025	0.025	0.276	0	42.8892	-78.8773
11/15/2018 11:11	0.025	0.025	0.276	0	42.8892	-78.8772
11/15/2018 11:10	0.025	0.025	0.276	0	42.8892	-78.8772
11/15/2018 11:09	0.025	0.025	0.276	0	42.8892	-78.8771
11/15/2018 11:08	0.025	0.025	0.276	0	42.8892	-78.877
11/15/2018 11:07	0.025	0.025	0.276	0	42.8892	-78.8769
11/15/2018 11:06	0.025	0.025	0.276	0	42.8893	-78.8768
11/15/2018 11:05	0.025	0.025	0.276	0	42.8893	-78.8767
11/15/2018 11:04	0.025	0.025	0.276	0	42.8893	-78.8767
11/15/2018 11:03	0.025	0.025	0.276	0	42.8893	-78.8766
11/15/2018 11:02	0.025	0.025	0.276	0	42.8893	-78.8766
11/15/2018 11:01	0.025	0.025	0.276	0	42.8893	-78.8766
11/15/2018 11:00	0.025	0.025	0.276	0	42.8893	-78.8766
11/15/2018 10:59	0.025	0.025	0.276	0	42.8893	-78.8766
11/15/2018 10:58	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 10:57	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 10:56	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 10:55	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 10:54	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 10:53	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 10:52	0.025	0.025	0.276	0	42.8893	-78.8764
11/15/2018 10:51	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 10:50	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 10:49	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 10:48	0.025	0.025	0.276	0	42.8893	-78.8764
11/15/2018 10:45	0.025	0.025	0.276	0		
11/15/2018 10:44	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 10:43	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 10:42	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 10:41	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 10:40	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 10:39	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 10:38	0.025	0.025	0.276	0	42.8892	-78.8767
11/15/2018 10:37	0.025	0.025	0.276	0	42.8892	-78.8767
11/15/2018 10:36	0.025	0.025	0.276	0	42.8892	-78.8767
11/15/2018 10:35	0.025	0.025	0.276	0	42.8892	-78.8767
11/15/2018 10:34	0.025	0.025	0.276	0	42.8892	-78.8766
11/15/2018 10:33	0.025	0.025	0.276	0	42.8892	-78.8766
11/15/2018 10:32	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 10:31	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 10:30	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 10:29	0.025	0.025	0.276	0	42.8892	-78.8764
11/15/2018 10:28	0.025	0.025	0.276	0	42.8891	-78.8764
11/15/2018 10:27	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 10:26	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 10:25	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 10:24	0.025	0.025	0.276	0	42.8892	-78.8765

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Peak (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/15/2018 10:23	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 10:22	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 10:21	0.025	0.025	0.276	0	42.8891	-78.8765
11/15/2018 10:20	0.025	0.025	0.276	0	42.8891	-78.8765
11/15/2018 10:19	0.025	0.025	0.276	0	42.8891	-78.8765
11/15/2018 10:18	0.025	0.025	0.276	0	42.8891	-78.8765
11/15/2018 10:17	0.025	0.025	0.276	0	42.8891	-78.8765
11/15/2018 10:16	0.025	0.025	0.276	0	42.8891	-78.8765
11/15/2018 10:15	0.025	0.025	0.276	0	42.889	-78.8765
11/15/2018 10:14	0.025	0.025	0.276	0	42.8891	-78.8765
11/15/2018 10:13	0.025	0.025	0.276	0	42.8891	-78.8765
11/15/2018 10:12	0.025	0.025	0.276	0	42.8891	-78.8765
11/15/2018 10:11	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 10:10	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 10:09	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 10:08	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 10:07	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 10:06	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 10:05	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 10:04	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 10:03	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 10:02	0.025	0.025	0.276	0	42.8891	-78.8765
11/15/2018 10:01	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 10:00	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 9:59	0.025	0.025	0.276	0	42.8893	-78.8764
11/15/2018 9:58	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 9:57	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 9:56	0.025	0.025	0.276	0	42.8893	-78.8764
11/15/2018 9:55	0.025	0.025	0.276	0	42.8891	-78.8765
11/15/2018 9:54	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 9:53	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 9:52	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 9:51	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 9:50	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 9:49	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 9:48	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 9:47	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 9:46	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 9:45	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 9:44	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 9:43	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 9:42	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 9:41	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 9:40	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 9:39	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 9:38	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 9:37	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 9:36	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 9:35	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 9:34	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 9:33	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 9:32	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 9:31	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 9:30	0.025	0.025	0.276	0	42.8891	-78.8766
11/15/2018 9:29	0.025	0.025	0.276	0	42.8891	-78.8766
11/15/2018 9:28	0.025	0.025	0.276	0	42.8891	-78.8765
11/15/2018 9:27	0.025	0.025	0.276	0	42.8891	-78.8765

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Peak (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/15/2018 9:26	0.025	0.025	0.276	0	42.889	-78.8766
11/15/2018 9:25	0.025	0.025	0.276	0	42.8889	-78.8768
11/15/2018 9:23			0.276	0		
11/15/2018 9:22	0.025	0.025	0.276	0	42.8887	-78.8769
11/15/2018 9:21	0.025	0.025	0.276	0	42.8886	-78.877
11/15/2018 9:20	0.025	0.025	0.276	0	42.8886	-78.877
11/15/2018 9:19	0.025	0.025	0.276	0	42.8888	-78.8769
11/15/2018 9:18	0.025	0.025	0.276	0	42.8888	-78.8769
11/15/2018 9:17	0.025	0.025	0.276	0	42.8891	-78.8766
11/15/2018 9:16	0.025	0.025	0.276	0	42.8892	-78.8766
11/15/2018 9:15	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 9:14	0.025	0.025	0.276	0	42.8892	-78.8766
11/15/2018 9:13	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 9:12	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 9:11	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 9:10	0.025	0.025	0.276	0	42.8893	-78.8764
11/15/2018 9:09	0.025	0.025	0.276	0	42.8893	-78.8764
11/15/2018 9:08	0.025	0.025	0.276	0	42.8893	-78.8764
11/15/2018 9:07	0.025	0.025	0.276	0	42.8893	-78.8763
11/15/2018 9:06	0.025	0.025	0.276	0	42.8892	-78.8766
11/15/2018 9:05	0.025	0.025	0.276	0	42.8892	-78.8766
11/15/2018 9:04	0.025	0.025	0.276	0	42.8892	-78.8766
11/15/2018 9:03	0.025	0.025	0.276	0	42.8892	-78.8766
11/15/2018 9:02	0.025	0.025	0.276	0	42.8892	-78.8765
11/15/2018 9:01	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 9:00	0.025	0.025	0.276	0	42.8893	-78.8764
11/15/2018 8:59	0.025	0.025	0.276	0	42.8893	-78.8764
11/15/2018 8:58	0.025	0.025	0.276	0	42.8893	-78.8764
11/15/2018 8:57	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 8:56	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 8:55	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 8:54	0.025	0.025	0.276	0	42.8893	-78.8766
11/15/2018 8:53	0.025	0.025	0.276	0	42.8892	-78.8766
11/15/2018 8:52	0.025	0.025	0.276	0	42.8893	-78.8766
11/15/2018 8:51	0.025	0.025	0.276	0	42.8893	-78.8766
11/15/2018 8:50	0.025	0.025	0.276	0	42.8892	-78.8767
11/15/2018 8:49	0.025	0.025	0.276	0	42.8892	-78.8768
11/15/2018 8:48	0.025	0.025	0.276	0	42.8892	-78.8768
11/15/2018 8:47	0.025	0.025	0.276	0	42.8892	-78.8768
11/15/2018 8:46	0.025	0.025	0.276	0	42.8892	-78.8768
11/15/2018 8:45	0.025	0.025	0.276	0	42.8892	-78.8768
11/15/2018 8:44	0.025	0.025	0.276	0	42.8892	-78.8767
11/15/2018 8:43	0.025	0.025	0.276	0	42.8892	-78.8766
11/15/2018 8:42	0.025	0.025	0.276	0	42.8892	-78.8766
11/15/2018 8:41	0.025	0.025	0.276	0	42.8892	-78.8766
11/15/2018 8:40	0.025	0.025	0.276	0	42.8892	-78.8766
11/15/2018 8:39	0.025	0.025	0.276	0	42.8892	-78.8766
11/15/2018 8:38	0.025	0.025	0.276	0	42.8892	-78.8766
11/15/2018 8:37	0.025	0.025	0.276	0	42.8892	-78.8766
11/15/2018 8:36	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 8:35	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 8:34	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 8:33	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 8:32	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 8:31	0.025	0.025	0.276	0	42.8893	-78.8764
11/15/2018 8:30	0.025	0.025	0.276	0	42.8893	-78.8764
11/15/2018 8:29	0.025	0.025	0.276	0	42.8893	-78.8763

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Peak (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/15/2018 8:28	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 8:27	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 8:26	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 8:25	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 8:24	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 8:23	0.025	0.025	0.276	0	42.8893	-78.8764
11/15/2018 8:22	0.025	0.025	0.276	0	42.8893	-78.8764
11/15/2018 8:21	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 8:20	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 8:19	0.025	0.025	0.276	0	42.8893	-78.8764
11/15/2018 8:18	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 8:17	0.025	0.025	0.276	0	42.8893	-78.8766
11/15/2018 8:16	0.025	0.025	0.276	0	42.8893	-78.8766
11/15/2018 8:15	0.025	0.025	0.276	0	42.8893	-78.8766
11/15/2018 8:14	0.025	0.025	0.276	0	42.8893	-78.8765
11/15/2018 8:13	0.025	0.025	0.276	0	42.8893	-78.8766
11/15/2018 8:12	0.025	0.025	0.276	0	42.8893	-78.8766
11/15/2018 8:11	0.025	0.025	0.276	0	42.8894	-78.8766
11/15/2018 8:10	0.025	0.025	0.276	0	42.8894	-78.8767
11/15/2018 8:09	0.025	0.025	0.276	0	42.8894	-78.8767
11/15/2018 8:08	0.025	0.025	0.276	0	42.8894	-78.8767
11/15/2018 8:07	0.025	0.025	0.276	0	42.8894	-78.8768
11/15/2018 8:06	0.025	0.025	0.276	0.0209	42.8894	-78.8768
11/15/2018 8:05	0.025	0.025	0.276	0.0209	42.8894	-78.8768
11/15/2018 8:04	0.025	0.025	0.276	0.0209	42.8894	-78.8768
11/15/2018 8:03	0.025	0.025	0.276	0.0209	42.8894	-78.8768
11/15/2018 8:01					42.8894	-78.8769
11/15/2018 8:00	0.025	0.025	0.276	0.0181	42.8894	-78.8769
11/15/2018 7:59	0.025	0.025	0.276	0.0181	42.8894	-78.8769
11/15/2018 7:58	0.025	0.025	0.276	0.0181	42.8894	-78.8769
11/15/2018 7:57	0.025	0.025	0.276	0.0181	42.8894	-78.8769
11/15/2018 7:56	0.025	0.025	0.276	0.0181	42.8894	-78.8769
11/15/2018 7:55	0.025	0.025	0.276	0.0181	42.8894	-78.8769
11/15/2018 7:54	0.025	0.025	0.276	0.0181	42.8893	-78.8769
11/15/2018 7:53	0.025	0.025	0.276	0.0181	42.8893	-78.8768
11/15/2018 7:52	0.025	0.025	0.223	0.0181	42.8893	-78.8768
11/15/2018 7:51	0.025	0.025	0.101	0	42.8893	-78.8768
11/15/2018 7:50	0.025	0.025	0.101	0	42.8893	-78.8768
11/15/2018 7:49	0.025	0.025	0.101	0	42.8893	-78.8768
11/15/2018 7:48	0.025	0.025	0.101	0	42.8893	-78.8767
11/15/2018 7:47	0.025	0.025	0.101	0	42.8893	-78.8767
11/15/2018 7:46	0.025	0.025	0.101	0	42.8893	-78.8767
11/15/2018 7:45	0.025	0.025	0.101	0	42.8893	-78.8766
11/15/2018 7:44	0.025	0.025	0.101	0	42.8893	-78.8766
11/15/2018 7:43	0.025	0.025	0.101	0	42.8893	-78.8765
11/15/2018 7:42	0.025	0.025	0.101	0	42.8893	-78.8765
11/15/2018 7:41	0.025	0.025	0.101	0	42.8892	-78.8765
11/15/2018 7:40	0.025	0.025	0.101	0	42.8892	-78.8765
11/15/2018 7:39	0.025	0.025	0.101	0	42.8892	-78.8765
11/15/2018 7:38	0.025	0.025	0.101	0	42.8892	-78.8766
11/15/2018 7:37	0.025	0.025	0.101	0	42.8892	-78.8766
11/15/2018 7:36	0.025	0.025	0.101	0	42.8892	-78.8766
11/15/2018 7:35	0.025	0.025	0.101	0	42.8892	-78.8766
11/15/2018 7:34	0.025	0.025	0.101	0	42.8892	-78.8766
11/15/2018 7:33	0.025	0.025	0.101	0	42.8892	-78.8766
11/15/2018 7:32	0.025	0.025	0.101	0	42.8892	-78.8766
11/15/2018 7:31	0.025	0.025	0.101	0	42.8892	-78.8765

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Peak (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/15/2018 7:30	0.025	0.025	0.101	0	42.8893	-78.8765
11/15/2018 7:29	0.025	0.025	0.101	0	42.8893	-78.8765
11/15/2018 7:28	0.025	0.025	0.101	0	42.8892	-78.8765
11/15/2018 7:27	0.025	0.025	0.101	0	42.8892	-78.8765
11/15/2018 7:26	0.025	0.025	0.101	0	42.8892	-78.8766
11/15/2018 7:25	0.025	0.025	0.101	0	42.8892	-78.8766
11/15/2018 7:24	0.025	0.025	0.101	0	42.8892	-78.8766
11/15/2018 7:23	0.025	0.025	0.101	0	42.8892	-78.8766
11/15/2018 7:22	0.025	0.025	0.101	0	42.8892	-78.8766
11/15/2018 7:21	0.025	0.025	0.101	0	42.8891	-78.8765
11/15/2018 7:20	0.025	0.025	0.101	0	42.8892	-78.8765
11/15/2018 7:19	0.025	0.025	0.101	0	42.8892	-78.8765
11/15/2018 7:18	0.025	0.025	0.101	0	42.8891	-78.8765
11/15/2018 7:17	0.025	0.025	0.101	0	42.8891	-78.8765
11/15/2018 7:16	0.025	0.025	0.101	0	42.8892	-78.8765
11/15/2018 7:15	0.025	0.025	0.101	0	42.8892	-78.8765
11/15/2018 7:14	0.025	0.025	0.101	0	42.8892	-78.8765
11/15/2018 7:13	0.025	0.025	0.101	0	42.8892	-78.8765
11/15/2018 7:12						

COMMUNITY AIR MONITORING DAILY LOG

Date: 11/19/18
 Project: Emerson Huron
 Job No.: B0441-018-001
 Client: Emerson Huron, LLC

WEATHER CONDITIONS:

Time of Day:	A.M.	P.M.
Ambient Air Temp.:	<u>33</u>	<u>39</u>
Wind Direction:	<u>W</u>	<u>SSW</u>
Wind Speed:	<u>4mph</u>	<u>8mph</u>
Precipitation:	<u>0%</u>	<u>0%</u>

LOCATION of ACTIVITIES/MONITORING STATIONS (Provide Sketch on Attached Map):

Downwind → out of the way of activities.

DESCRIPTION OF SITE ACTIVITIES:

Excavating Poles + Hauling Material off-site

PARTICULATE MONITORING	Location	Time	Value	Duration	Corrective Measures Taken (Eng Controls/Work Stoppage, etc.)
Exceedence of 100 ug/m3 ¹	<u>—</u>	<u>—</u>	<u>NA</u>		
Exceedence of 150 ug/m3 ¹					
Visual Observation of Fugitive Dust			<u>NA</u>		
			<u>NA</u>		
			<u>NA</u>		

VOC MONITORING	Location	Time	Value	Duration	Corrective Measures Taken (Eng Controls/Work Stoppage, etc.)
Exceedence of 5 ppm ¹	<u>—</u>	<u>—</u>	<u>NA</u>		Temporarily halt Work and continue monitoring
Reading of 5 to 25 ppm ¹					Temporarily halt Work, abate emissions with corrective actions and continue monitoring ³
Exceedence of 25 ppm ²					Shut Down Work Immediately and notify Site Safety & Health Officer

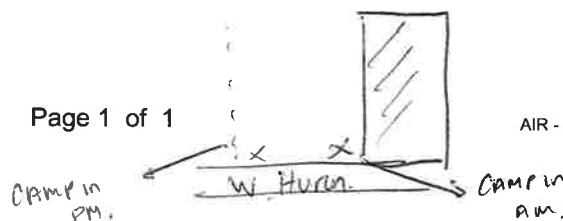
1. Above background for 15 minute moving average.

2. Above background at Site perimeter (indicate location on attached sketch)

3. Work may resume when total VOC conc. 200 ft downwind or half the distance to nearest receptor (whichever is less) is below 5 ppm for 15 min.

NOTE: All exceedences are to be reported to Benchmark within 15 minutes.

Prepared By: _____ Date: _____
 Checked By: _____ Date: _____



Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Peak (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/19/2018 7:28					42.8893	-78.8765
11/19/2018 7:29	0	0	0.09	0.045	42.8893	-78.8765
11/19/2018 7:30	0.027	0.0135	0.09	0.0225	42.8893	-78.8764
11/19/2018 7:31	0.027	0.018	0.09	0.015	42.8893	-78.8764
11/19/2018 7:32	0.027	0.0203	0.09	0.0113	42.8893	-78.8764
11/19/2018 7:33	0.027	0.0216	0.09	0.009	42.8893	-78.8764
11/19/2018 7:34	0.027	0.0225	0.09	0.0075	42.8893	-78.8764
11/19/2018 7:35	0.027	0.0231	0.09	0.0064	42.8893	-78.8764
11/19/2018 7:36	0.027	0.0236	0.09	0.0056	42.8893	-78.8764
11/19/2018 7:37	0.027	0.024	0.09	0.005	42.8893	-78.8764
11/19/2018 7:38	0.027	0.0243	0.09	0.0045	42.8893	-78.8764
11/19/2018 7:39	0.027	0.0245	0.09	0.0041	42.8893	-78.8764
11/19/2018 7:40			0.09	0.0038	42.8893	-78.8764
11/19/2018 7:41			0.09	0.0035	42.8893	-78.8764
11/19/2018 7:45	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 7:46	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 7:47	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 7:48	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 7:49	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 7:50	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 7:51	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 7:52	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 7:53	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 7:54	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 7:55	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 7:56	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 7:57	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 7:58	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 7:59	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 8:00	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 8:01	0.027	0.027	0.09	0	42.8892	-78.8764
11/19/2018 8:02	0.027	0.027	0.09	0	42.8892	-78.8764
11/19/2018 8:03	0.027	0.027	0.09	0	42.8892	-78.8764
11/19/2018 8:04	0.027	0.027	0.09	0	42.8892	-78.8764
11/19/2018 8:05	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 8:06	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 8:07	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 8:08	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 8:09	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 8:10	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 8:11	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 8:12	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 8:13	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 8:14	0.027	0.027	0.09	0	42.8892	-78.8766
11/19/2018 8:15	0.027	0.027	0.09	0	42.8892	-78.8767
11/19/2018 8:16	0.027	0.027	0.09	0	42.8891	-78.8767
11/19/2018 8:17	0.027	0.027	0.09	0	42.8891	-78.8768
11/19/2018 8:18	0.027	0.027	0.09	0	42.889	-78.8768
11/19/2018 8:19	0.027	0.027	0.09	0	42.889	-78.8768
11/19/2018 8:20	0.027	0.027	0.09	0	42.889	-78.8769
11/19/2018 8:21	0.027	0.027	0.09	0	42.889	-78.877
11/19/2018 8:22	0.027	0.027	0.09	0	42.889	-78.877
11/19/2018 8:23	0.027	0.027	0.09	0	42.8891	-78.8768
11/19/2018 8:24	0.027	0.027	0.09	0	42.8892	-78.8767
11/19/2018 8:25	0.027	0.027	0.09	0	42.8892	-78.8766
11/19/2018 8:26	0.027	0.027	0.09	0	42.8892	-78.8766
11/19/2018 8:27	0.027	0.027	0.09	0	42.8892	-78.8767

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Peak (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/19/2018 8:28	0.027	0.027	0.09	0	42.8892	-78.8768
11/19/2018 8:29	0.027	0.027	0.09	0	42.8892	-78.8768
11/19/2018 8:30	0.027	0.027	0.09	0	42.8892	-78.8769
11/19/2018 8:31	0.027	0.027	0.09	0	42.8892	-78.8769
11/19/2018 8:32	0.027	0.027	0.09	0	42.8892	-78.8768
11/19/2018 8:33	0.027	0.027	0.09	0	42.8892	-78.8768
11/19/2018 8:34	0.027	0.027	0.09	0	42.8892	-78.8768
11/19/2018 8:35	0.027	0.027	0.09	0	42.8892	-78.8767
11/19/2018 8:36	0.027	0.027	0.09	0	42.8892	-78.8767
11/19/2018 8:37	0.027	0.027	0.09	0	42.8892	-78.8766
11/19/2018 8:38	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 8:39	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 8:40	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 8:41	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 8:42	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 8:43	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 8:44	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 8:45	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 8:46	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 8:47	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 8:48	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 8:49	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 8:50	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 8:51	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 8:52	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 8:53	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 8:54	0.027	0.027	0.09	0	42.8891	-78.8766
11/19/2018 8:55	0.027	0.027	0.09	0	42.8891	-78.8766
11/19/2018 8:56	0.027	0.027	0.09	0	42.8891	-78.8766
11/19/2018 8:57	0.027	0.027	0.09	0	42.8891	-78.8767
11/19/2018 8:58	0.027	0.027	0.09	0	42.889	-78.8767
11/19/2018 8:59	0.027	0.027	0.09	0	42.889	-78.8768
11/19/2018 9:00	0.027	0.027	0.09	0	42.8888	-78.8769
11/19/2018 9:01	0.027	0.027	0.09	0	42.8887	-78.8769
11/19/2018 9:02	0.027	0.027	0.09	0	42.8886	-78.877
11/19/2018 9:03	0.027	0.027	0.09	0	42.8887	-78.877
11/19/2018 9:07	0.027	0.027	0.09	0	42.889	-78.8767
11/19/2018 9:08	0.027	0.027	0.09	0	42.8891	-78.8766
11/19/2018 9:09	0.027	0.027	0.09	0	42.8891	-78.8765
11/19/2018 9:10	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 9:11	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 9:12	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 9:13	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 9:14	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 9:15	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 9:16	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 9:17	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 9:18	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 9:19	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 9:20	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 9:21	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 9:22	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 9:23	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 9:24	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 9:25	0.027	0.027	0.09	0	42.8891	-78.8765
11/19/2018 9:26	0.027	0.027	0.09	0	42.8892	-78.8764
11/19/2018 9:27	0.027	0.027	0.09	0	42.8892	-78.8764

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Peak (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/19/2018 9:28	0.027	0.027	0.09	0	42.8892	-78.8764
11/19/2018 9:29	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 9:30	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 9:31	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 9:32	0.027	0.027	0.09	0	42.8891	-78.8765
11/19/2018 9:33	0.027	0.027	0.09	0	42.8891	-78.8765
11/19/2018 9:34	0.027	0.027	0.09	0	42.8891	-78.8765
11/19/2018 9:35	0.027	0.027	0.09	0	42.8891	-78.8765
11/19/2018 9:36	0.027	0.027	0.09	0	42.8891	-78.8765
11/19/2018 9:37	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 9:38	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 9:39	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 9:40	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 9:41	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 9:42	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 9:43	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 9:44	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 9:45	0.027	0.027	0.09	0	42.8891	-78.8765
11/19/2018 9:46	0.027	0.027	0.09	0	42.8891	-78.8765
11/19/2018 9:47	0.027	0.027	0.09	0	42.8891	-78.8765
11/19/2018 9:48	0.027	0.027	0.09	0	42.8891	-78.8765
11/19/2018 9:49	0.027	0.027	0.09	0	42.8891	-78.8765
11/19/2018 9:50	0.027	0.027	0.09	0	42.889	-78.8765
11/19/2018 9:51	0.027	0.027	0.09	0	42.8891	-78.8765
11/19/2018 9:52	0.027	0.027	0.09	0	42.889	-78.8765
11/19/2018 9:53	0.027	0.027	0.09	0	42.889	-78.8765
11/19/2018 9:54	0.027	0.027	0.09	0	42.8891	-78.8765
11/19/2018 9:55	0.027	0.027	0.09	0	42.8891	-78.8765
11/19/2018 9:56	0.027	0.027	0.09	0	42.8891	-78.8765
11/19/2018 9:57	0.027	0.027	0.09	0	42.8891	-78.8764
11/19/2018 9:58	0.027	0.027	0.09	0	42.8891	-78.8765
11/19/2018 9:59	0.027	0.027	0.09	0	42.8891	-78.8765
11/19/2018 10:00	0.027	0.027	0.09	0	42.8891	-78.8764
11/19/2018 10:01	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 10:02	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 10:03	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 10:04	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 10:05	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 10:06	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 10:07	0.027	0.027	0.09	0	42.8892	-78.8764
11/19/2018 10:08	0.027	0.027	0.09	0	42.8892	-78.8764
11/19/2018 10:09	0.027	0.027	0.09	0	42.8892	-78.8764
11/19/2018 10:10	0.027	0.027	0.09	0	42.8892	-78.8764
11/19/2018 10:11	0.027	0.027	0.09	0	42.8892	-78.8764
11/19/2018 10:12	0.027	0.027	0.09	0	42.8892	-78.8764
11/19/2018 10:13	0.027	0.027	0.09	0	42.8892	-78.8764
11/19/2018 10:14	0.027	0.027	0.09	0	42.8892	-78.8764
11/19/2018 10:15	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 10:16	0.027	0.027	0.09	0	42.8892	-78.8764
11/19/2018 10:17	0.027	0.027	0.09	0	42.8892	-78.8764
11/19/2018 10:18	0.027	0.027	0.09	0	42.8892	-78.8764
11/19/2018 10:19	0.027	0.027	0.09	0	42.8892	-78.8764
11/19/2018 10:20	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 10:21	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 10:22	0.027	0.027	0.09	0	42.8892	-78.8764
11/19/2018 10:23	0.027	0.027	0.09	0	42.8892	-78.8764
11/19/2018 10:24	0.027	0.027	0.09	0	42.8892	-78.8765

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Peak (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/19/2018 10:25	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 10:26	0.027	0.027			42.8892	-78.8765
11/19/2018 10:28	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 10:29	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 10:30	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 10:31	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 10:32	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 10:33	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 10:34	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 10:35	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 10:36	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 10:37	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 10:38	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 10:39	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 10:40	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 10:41	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 10:42	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 10:43	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 10:44	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 10:45	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 10:46	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 10:47	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 10:48	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 10:49	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 10:50	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 10:51	0.027	0.027	0.09	0	42.8893	-78.8767
11/19/2018 10:52						
11/19/2018 10:57	0.027	0.027	0.09	0	42.8891	-78.8772
11/19/2018 10:58	0.027	0.027	0.09	0	42.8891	-78.8771
11/19/2018 10:59	0.027	0.027	0.09	0	42.8891	-78.8771
11/19/2018 11:00	0.027	0.027	0.09	0	42.8891	-78.8772
11/19/2018 11:01	0.027	0.027	0.09	0	42.8891	-78.8772
11/19/2018 11:02	0.027	0.027	0.09	0	42.8891	-78.8773
11/19/2018 11:03	0.027	0.027	0.09	0	42.889	-78.8773
11/19/2018 11:04	0.027	0.027	0.09	0	42.889	-78.8772
11/19/2018 11:05	0.027	0.027	0.09	0	42.8891	-78.8771
11/19/2018 11:06	0.027	0.027	0.09	0	42.8891	-78.8771
11/19/2018 11:07	0.027	0.027	0.09	0	42.8891	-78.8772
11/19/2018 11:08	0.027	0.027	0.09	0	42.8891	-78.8772
11/19/2018 11:09	0.027	0.027	0.09	0	42.8891	-78.8772
11/19/2018 11:10	0.027	0.027	0.09	0	42.8891	-78.8772
11/19/2018 11:11	0.027	0.027	0.09	0	42.8891	-78.877
11/19/2018 11:12	0.027	0.027	0.09	0	42.8891	-78.8768
11/19/2018 11:13	0.027	0.027	0.09	0	42.8892	-78.8768
11/19/2018 11:14	0.027	0.027	0.09	0	42.8892	-78.8767
11/19/2018 11:15	0.027	0.027	0.09	0	42.8892	-78.8766
11/19/2018 11:16	0.027	0.027	0.09	0	42.8892	-78.8767
11/19/2018 11:17	0.027	0.027	0.09	0	42.8891	-78.8768
11/19/2018 11:18	0.027	0.027	0.09	0	42.8891	-78.8768
11/19/2018 11:19	0.027	0.027	0.09	0	42.8891	-78.8768
11/19/2018 11:20	0.027	0.027	0.09	0	42.8891	-78.8768
11/19/2018 11:21	0.027	0.027	0.09	0	42.8891	-78.8768
11/19/2018 11:22	0.027	0.027	0.09	0	42.8891	-78.8768
11/19/2018 11:23	0.027	0.027	0.09	0	42.8891	-78.8768
11/19/2018 11:24	0.027	0.027	0.09	0	42.8891	-78.8768
11/19/2018 11:25	0.027	0.027	0.09	0	42.8891	-78.8768
11/19/2018 11:26	0.027	0.027	0.09	0	42.8891	-78.8768

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Peak (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/19/2018 11:27	0.027	0.027	0.09	0	42.8891	-78.8768
11/19/2018 11:28	0.027	0.027	0.09	0	42.889	-78.8768
11/19/2018 11:29	0.027	0.027	0.09	0	42.889	-78.8768
11/19/2018 11:30	0.027	0.027	0.09	0	42.889	-78.8768
11/19/2018 11:31	0.027	0.027	0.09	0	42.889	-78.8768
11/19/2018 11:32	0.027	0.027	0.09	0	42.889	-78.8768
11/19/2018 11:33	0.027	0.027	0.09	0	42.889	-78.8769
11/19/2018 11:34	0.027	0.027	0.09	0	42.889	-78.8769
11/19/2018 11:35	0.027	0.027	0.09	0	42.889	-78.8768
11/19/2018 11:36	0.027	0.027	0.09	0	42.889	-78.8768
11/19/2018 11:37	0.027	0.027	0.09	0	42.8891	-78.8767
11/19/2018 11:38	0.027	0.027	0.09	0	42.8891	-78.8766
11/19/2018 11:39	0.027	0.027	0.09	0	42.8891	-78.8766
11/19/2018 11:40	0.027	0.027	0.09	0	42.8891	-78.8766
11/19/2018 11:41	0.027	0.027	0.09	0	42.8891	-78.8766
11/19/2018 11:42	0.027	0.027	0.09	0	42.8892	-78.8766
11/19/2018 11:43	0.027	0.027	0.09	0	42.8892	-78.8766
11/19/2018 11:44	0.027	0.027	0.09	0	42.8891	-78.8766
11/19/2018 11:45	0.027	0.027	0.09	0	42.8891	-78.8766
11/19/2018 11:46	0.027	0.027	0.09	0		
11/19/2018 11:47	0.027	0.027	0.09	0	42.889	-78.8767
11/19/2018 11:48	0.027	0.027	0.09	0	42.889	-78.8767
11/19/2018 11:49	0.027	0.027	0.09	0	42.889	-78.8767
11/19/2018 11:50	0.027	0.027	0.09	0	42.889	-78.8767
11/19/2018 11:51	0.027	0.027	0.09	0	42.889	-78.8768
11/19/2018 11:52	0.027	0.027	0.09	0	42.889	-78.8768
11/19/2018 11:53	0.027	0.027	0.09	0	42.8892	-78.8766
11/19/2018 11:54	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 11:55	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 11:56	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 11:57	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 11:58	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 11:59	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 12:00	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 12:01	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 12:02	0.027	0.027	0.09	0	42.8894	-78.8765
11/19/2018 12:03	0.027	0.027	0.09	0	42.8894	-78.8765
11/19/2018 12:04	0.027	0.027	0.09	0	42.8894	-78.8765
11/19/2018 12:05	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 12:06	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 12:07	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 12:08	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 12:09	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 12:10	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 12:11	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 12:12	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 12:13	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 12:14			0.09	0		
11/19/2018 12:16	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 12:17	0.027	0.027	0.09	0	42.8892	-78.8766
11/19/2018 12:18	0.027	0.027	0.09	0	42.8892	-78.8766
11/19/2018 12:19	0.027	0.027	0.09	0	42.8891	-78.8767
11/19/2018 12:20	0.027	0.027	0.09	0	42.8891	-78.8767
11/19/2018 12:21	0.027	0.027	0.09	0	42.8892	-78.8766
11/19/2018 12:22	0.027	0.027	0.09	0	42.8891	-78.8766
11/19/2018 12:23	0.027	0.027	0.09	0	42.889	-78.8767
11/19/2018 12:24	0.027	0.027	0.09	0	42.8893	-78.8765

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Peak (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/19/2018 12:25	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 12:26	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 12:27	0.027	0.027	0.09	0	42.8892	-78.8766
11/19/2018 12:28	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 12:29	0.027	0.027	0.09	0	42.8891	-78.8766
11/19/2018 12:30	0.027	0.027	0.09	0	42.8891	-78.8766
11/19/2018 12:31	0.027	0.027	0.09	0	42.8891	-78.8767
11/19/2018 12:32	0.027	0.027	0.09	0	42.8891	-78.8766
11/19/2018 12:33	0.027	0.027	0.09	0	42.8891	-78.8766
11/19/2018 12:34	0.027	0.027	0.09	0	42.8892	-78.8766
11/19/2018 12:35	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 12:36	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 12:37	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 12:38	0.027	0.027	0.09	0	42.8892	-78.8765
11/19/2018 12:39	0.027	0.027	0.09	0	42.8892	-78.8766
11/19/2018 12:40	0.027	0.027	0.09	0	42.8892	-78.8766
11/19/2018 12:41	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 12:42	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 12:43	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 12:44	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 12:45	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 12:46	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 12:47	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 12:48	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 12:49	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 12:50	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 12:51	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 12:52	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 12:53	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 12:54	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 12:55	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 12:56	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 12:57	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 12:58	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 12:59	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 13:00	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 13:01	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 13:02	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 13:03	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 13:04	0.027	0.027	0.09	0.0002	42.8893	-78.8766
11/19/2018 13:05	0.027	0.027	0.09	0.0061	42.8893	-78.8766
11/19/2018 13:06	0.027	0.027	0.09	0.0061	42.8893	-78.8766
11/19/2018 13:07	0.027	0.027	0.09	0.0061	42.8893	-78.8766
11/19/2018 13:08	0.027	0.027	0.09	0.0061	42.8893	-78.8767
11/19/2018 13:09	0.027	0.027	0.09	0.0061	42.8893	-78.8767
11/19/2018 13:10	0.027	0.027	0.09	0.0061	42.8893	-78.8766
11/19/2018 13:11	0.027	0.027	0.09	0.0061	42.8893	-78.8766
11/19/2018 13:12	0.027	0.027	0.09	0.0061	42.8893	-78.8766
11/19/2018 13:13	0.027	0.027	0.09	0.0061	42.8893	-78.8766
11/19/2018 13:14	0.027	0.027	0.09	0.0061	42.8893	-78.8766
11/19/2018 13:15	0.027	0.027	0.09	0.0061	42.8892	-78.8767
11/19/2018 13:16	0.027	0.027	0.09	0.0061	42.8892	-78.8767
11/19/2018 13:17	0.027	0.027	0.09	0.0061	42.8892	-78.8769
11/19/2018 13:18	0.027	0.027	0.09	0.0061	42.8891	-78.877
11/19/2018 13:19	0.027	0.027	0.09	0.0059	42.8891	-78.8769
11/19/2018 13:20	0.027	0.027	0.09	0	42.8892	-78.8769
11/19/2018 13:21	0.027	0.027	0.09	0	42.8892	-78.8768

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Peak (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/19/2018 13:22	0.027	0.027	0.09	0	42.8892	-78.8767
11/19/2018 13:23	0.027	0.027	0.09	0	42.8892	-78.8767
11/19/2018 13:24	0.027	0.027	0.09	0	42.8892	-78.8767
11/19/2018 13:25	0.027	0.027	0.09	0	42.8892	-78.8767
11/19/2018 13:26	0.027	0.027	0.09	0	42.8893	-78.8764
11/19/2018 13:27	0.027	0.027	0.09	0	42.8894	-78.8763
11/19/2018 13:28	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 13:29	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 13:30	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 13:31	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 13:32	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 13:33	0.027	0.027	0.09	0	42.8893	-78.8765
11/19/2018 13:34	0.027	0.027	0.09	0	42.8893	-78.8766
11/19/2018 13:35	0.027	0.027	0.09	0	42.8892	-78.8766
11/19/2018 13:36	0.027	0.027	0.09	0	42.8892	-78.8768
11/19/2018 13:37						
11/19/2018 13:39	0.027	0.027	0.09	0	42.8892	-78.8769
11/19/2018 13:40	0.027	0.027	0.09	0	42.8892	-78.8769
11/19/2018 13:41	0.027	0.027	0.09	0	42.8892	-78.8769
11/19/2018 13:42	0.027	0.027	0.09	0	42.8892	-78.8769
11/19/2018 13:43	0.027	0.027	0.09	0	42.8892	-78.8769
11/19/2018 13:44	0.027	0.027	0.09	0	42.8892	-78.8769
11/19/2018 13:45	0.027	0.027	0.215	0.0001	42.8892	-78.8768
11/19/2018 13:46	0.027	0.027	0.215	0.0001	42.8892	-78.8768
11/19/2018 13:47	0.027	0.027	0.215	0.0001	42.8892	-78.8768
11/19/2018 13:48	0.027	0.027	0.215	0.0001	42.8892	-78.8768
11/19/2018 13:49	0.027	0.027	0.215	0.0001	42.8892	-78.8767
11/19/2018 13:50	0.027	0.027	0.215	0.0001	42.8892	-78.8767
11/19/2018 13:51	0.027	0.027	0.215	0.0001	42.8892	-78.8767
11/19/2018 13:52	0.027	0.027	0.215	0.0001	42.8892	-78.8767
11/19/2018 13:53	0.027	0.027	0.215	0.0001	42.8892	-78.8767
11/19/2018 13:54	0.027	0.027	0.215	0.0001	42.8892	-78.8767
11/19/2018 13:55	0.027	0.027	0.215	0.0001	42.8892	-78.8767
11/19/2018 13:56	0.027	0.027	0.215	0.0001	42.8892	-78.8767
11/19/2018 13:57	0.027	0.027	0.215	0.0001	42.8892	-78.8767
11/19/2018 13:58	0.027	0.027	0.215	0.0001	42.8892	-78.8766
11/19/2018 13:59	0.027	0.027	0.215	0.0001	42.8892	-78.8767
11/19/2018 14:00	0.027	0.027	0.215	0	42.8892	-78.8767
11/19/2018 14:01	0.027	0.027	0.215	0	42.8892	-78.8767
11/19/2018 14:02	0.027	0.027	0.215	0	42.8892	-78.8767
11/19/2018 14:07	0.027	0.027	0.215	0	42.8892	-78.8767
11/19/2018 14:08	0.027	0.027	0.215	0	42.8892	-78.8767
11/19/2018 14:09	0.027	0.027	0.215	0	42.8891	-78.8766
11/19/2018 14:10	0.027	0.027	0.215	0	42.8892	-78.8766
11/19/2018 14:11	0.027	0.027	0.215	0	42.8892	-78.8766
11/19/2018 14:12	0.027	0.027	0.215	0	42.8891	-78.8766
11/19/2018 14:13	0.027	0.027	0.215	0	42.8892	-78.8765
11/19/2018 14:14	0.027	0.027	0.215	0	42.8892	-78.8765
11/19/2018 14:15	0.027	0.027	0.215	0	42.8892	-78.8765
11/19/2018 14:16	0.027	0.027	0.215	0	42.8892	-78.8765
11/19/2018 14:17	0.027	0.027	0.215	0	42.8892	-78.8766
11/19/2018 14:18	0.027	0.027	0.215	0	42.8892	-78.8766
11/19/2018 14:19	0.027	0.027	0.215	0	42.8892	-78.8765
11/19/2018 14:20	0.027	0.027	0.215	0	42.8892	-78.8766
11/19/2018 14:21	0.027	0.027	0.215	0	42.8892	-78.8766
11/19/2018 14:22	0.027	0.027	0.215	0	42.8891	-78.8766
11/19/2018 14:23	0.027	0.027	0.215	0	42.8891	-78.8766

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Peak (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/19/2018 14:24	0.027	0.027	0.215	0	42.8891	-78.8766
11/19/2018 14:25	0.027	0.027	0.215	0	42.8891	-78.8766
11/19/2018 14:26	0.027	0.027	0.215	0	42.8891	-78.8766
11/19/2018 14:27	0.027	0.027	0.215	0	42.8891	-78.8766
11/19/2018 14:28	0.027	0.027	0.215	0	42.8891	-78.8766
11/19/2018 14:29	0.027	0.027	0.215	0	42.8891	-78.8766
11/19/2018 14:30	0.027	0.027	0.215	0	42.8891	-78.8766
11/19/2018 14:31	0.027	0.027	0.215	0	42.889	-78.8767
11/19/2018 14:32	0.027	0.027	0.215	0	42.8889	-78.8768
11/19/2018 14:33	0.027	0.027	0.215	0	42.8888	-78.8768
11/19/2018 14:34	0.027	0.027	0.215	0	42.8887	-78.8769
11/19/2018 14:35	0.027	0.027	0.215	0	42.8887	-78.8769
11/19/2018 14:36	0.027	0.027	0.215	0	42.8886	-78.877
11/19/2018 14:37	0.027	0.027	0.215	0	42.8887	-78.877
11/19/2018 14:38	0.027	0.027	0.215	0	42.8887	-78.877
11/19/2018 14:39	0.027	0.027	0.215	0	42.8887	-78.877
11/19/2018 14:40	0.027	0.027	0.215	0	42.8886	-78.8771
11/19/2018 14:41	0.027	0.027	0.215	0	42.8886	-78.8771
11/19/2018 14:42	0.027	0.027	0.215	0	42.8885	-78.8771
11/19/2018 14:43	0.027	0.027	0.215	0	42.8884	-78.8772
11/19/2018 14:44	0.027	0.027	0.215	0	42.8883	-78.8772
11/19/2018 14:45	0.027	0.027	0.215	0	42.8883	-78.8773
11/19/2018 14:46	0.027	0.027	0.215	0	42.8883	-78.8773

COMMUNITY AIR MONITORING DAILY LOG

Date: 11/20/18
Project: B0441-018-001
Job No.: 73-79 West Huron Street Site
Client: Emerson/Huron LLC

WEATHER CONDITIONS:

Time of Day:	A.M.	P.M.
Ambient Air Temp.:	<u>34</u>	<u>32</u>
Wind Direction:	<u>W</u>	<u>NW</u>
Wind Speed:	<u>6 mph</u>	<u>10 mph</u>
Precipitation:	<u>Snow/rain</u>	<u>0/</u>

LOCATION of ACTIVITIES/MONITORING STATIONS (Provide Sketch on Attached Map):

NO CAMP in AM due to snow/rain.
Setup out of the way & down wind of activities
DESCRIPTION OF SITE ACTIVITIES: Excavating footers & hauling material off-site.

PARTICULATE MONITORING	Location	Time	Value	Duration	Corrective Measures Taken (Eng Controls/Work Stoppage, etc.)
Exceedence of 100 ug/m3 ¹	<u>---</u>	<u>---</u>	<u>NA</u>		
Exceedence of 150 ug/m3 ¹					
Visual Observation of Fugitive Dust			<u>NA</u>		
			<u>NA</u>		
			<u>NA</u>		

VOC MONITORING	Location	Time	Value	Duration	Corrective Measures Taken (Eng Controls/Work Stoppage, etc.)
Exceedence of 5 ppm ¹	<u>---</u>	<u>---</u>	<u>NA</u>		Temporarily halt Work and continue monitoring
Reading of 5 to 25 ppm ¹					Temporarily halt Work, abate emissions with corrective actions and continue monitoring ³
Exceedence of 25 ppm ²					Shut Down Work Immediately and notify Site Safety & Health Officer

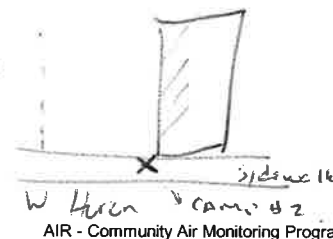
1. Above background for 15 minute moving average.

2. Above background at Site perimeter (indicate location on attached sketch)

3. Work may resume when total VOC conc. 200 ft downwind or half the distance to nearest receptor (whichever is less) is below 5 ppm for 15 min.

NOTE: All exceedences are to be reported to Benchmark within 15 minutes.

Prepared By: CCB Date: 11/20/18
Checked By: _____ Date: _____


W Huron
Camp 12
AIR - Community Air Monitoring Program (CAMP) Daily Log.xls.xls

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Peak (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/20/2018 13:46						
11/20/2018 13:45	0.018	0.018	0.001	0		
11/20/2018 13:44	0.018	0.018	0.001	0		
11/20/2018 13:43	0.018	0.018	0.001	0		
11/20/2018 13:42	0.018	0.018	0.001	0		
11/20/2018 13:41	0.018	0.018	0.001	0		
11/20/2018 13:40	0.018	0.018	0.001	0		
11/20/2018 13:39	0.018	0.018	0.001	0		
11/20/2018 13:38	0.018	0.018	0.001	0		
11/20/2018 13:37	0.018	0.018	0.001	0		
11/20/2018 13:36	0.018	0.018	0.001	0		
11/20/2018 13:35	0.018	0.018	0.001	0		
11/20/2018 13:34	0.018	0.018	0.001	0		
11/20/2018 13:33	0.018	0.018	0.001	0		
11/20/2018 13:32	0.018	0.018	0.001	0		
11/20/2018 13:31	0.018	0.018	0.001	0		
11/20/2018 13:30	0.018	0.018	0.001	0		
11/20/2018 13:29	0.018	0.018	0.001	0		
11/20/2018 13:28	0.018	0.018	0.001	0		
11/20/2018 13:27	0.018	0.018	0.001	0		
11/20/2018 13:26	0.018	0.018	0.001	0		
11/20/2018 13:25	0.018	0.018	0.001	0		
11/20/2018 13:24	0.018	0.018	0.001	0		
11/20/2018 13:23	0.018	0.018	0.001	0		
11/20/2018 13:22	0.018	0.018	0.001	0		
11/20/2018 13:21	0.018	0.018	0.001	0		
11/20/2018 13:20	0.018	0.018	0.001	0		
11/20/2018 13:19	0.018	0.018	0.001	0		
11/20/2018 13:18	0.018	0.018	0.001	0		
11/20/2018 13:17	0.018	0.018	0.001	0		
11/20/2018 13:16	0.018	0.018	0.001	0		
11/20/2018 13:15	0.018	0.018	0.001	0		
11/20/2018 13:14	0.018	0.018	0.001	0		
11/20/2018 13:13	0.018	0.018	0.001	0		
11/20/2018 13:12	0.018	0.018	0.001	0		
11/20/2018 13:11	0.018	0.018	0.001	0		
11/20/2018 13:10	0.018	0.018	0.001	0		
11/20/2018 13:09	0.018	0.018	0.001	0		
11/20/2018 13:08	0.018	0.018	0.001	0		
11/20/2018 13:07	0.018	0.018	0.001	0		
11/20/2018 13:06	0.018	0.018	0.001	0		
11/20/2018 13:05	0.018	0.018	0.001	0		
11/20/2018 13:04	0.018	0.018	0.001	0		
11/20/2018 13:03	0.018	0.018	0.001	0		
11/20/2018 13:02	0.018	0.018	0.001	0		
11/20/2018 13:01	0.018	0.018	0.001	0		
11/20/2018 13:00	0.018	0.018	0.001	0		
11/20/2018 12:59	0.018	0.018	0.001	0		
11/20/2018 12:58	0.018	0.018	0.001	0		
11/20/2018 12:57	0.018	0.0181	0.001	0		
11/20/2018 12:56	0.018	0.0181	0.001	0		
11/20/2018 12:55	0.018	0.0181	0.001	0		
11/20/2018 12:54	0.018	0.0181	0.001	0		
11/20/2018 12:53	0.018	0.0181	0.001	0		
11/20/2018 12:52	0.018	0.0181	0.001	0		
11/20/2018 12:51	0.018	0.0181	0.001	0		
11/20/2018 12:50	0.018	0.0181	0.001	0		

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	Peak (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/20/2018 12:49	0.018	0.0181	0.001	0		
11/20/2018 12:48	0.018	0.0182	0.001	0		
11/20/2018 12:47	0.018	0.0182	0.001	0		
11/20/2018 12:46	0.018	0.0182	0.001	0		
11/20/2018 12:45	0.018	0.0183	0.001	0		
11/20/2018 12:44	0.018	0.0185	0.001	0		
11/20/2018 12:43	0.019	0.019	0.001	0		
11/20/2018 12:42						
11/20/2018 12:41						
11/20/2018 12:40						

COMMUNITY AIR MONITORING DAILY LOG

Date: 11/21/17
Project: 73-79 West Huron Street Site
Job No.: B0441-013-021
Client: Emerson Huron, LLC

WEATHER CONDITIONS:

Time of Day:	A.M.	P.M.
Ambient Air Temp.:	<u>35</u>	<u>31</u>
Wind Direction:	<u>W</u>	<u>WWW</u>
Wind Speed:	<u>24</u>	<u>20</u>
Precipitation:	<u>rain/snow</u>	<u>0%</u>

LOCATION of ACTIVITIES/MONITORING STATIONS (Provide Sketch

on Attached Map): Downwind of activities & out of the way

DESCRIPTION OF SITE ACTIVITIES:

Excavating footers & Hauling material off-site
NO CAMP in the morning due to snow/rain

PARTICULATE MONITORING	Location	Time	Value	Duration	Corrective Measures Taken (Eng Controls/Work Stoppage, etc.)
Exceedence of 100 ug/m3 ¹	<u>—</u>	<u>—</u>	<u>NA</u>		<u>All TWA concentrations were below 100 ug/m³</u> <u>one individual exceedence @ 13:07 (123 ug/m³)</u> <u>due to close proximity at CAMP station to</u> <u>pouring stone.</u>
Exceedence of 150 ug/m3 ¹					
Visual Observation of Fugitive Dust			<u>NA</u>		
			<u>NA</u>		
			<u>NA</u>		

VOC MONITORING	Location	Time	Value	Duration	Corrective Measures Taken (Eng Controls/Work Stoppage, etc.)
Exceedence of 5 ppm ¹	<u>—</u>	<u>—</u>	<u>NA</u>		<u>Temporarily halt Work and continue monitoring</u>
Reading of 5 to 25 ppm ¹					<u>Temporarily halt Work, abate emissions with corrective actions and continue monitoring ³</u>
Exceedence of 25 ppm ²					<u>Shut Down Work Immediately and notify Site Safety & Health Officer</u>

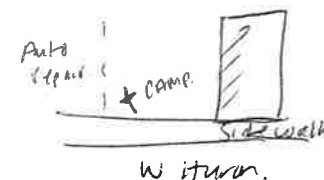
1. Above background for 15 minute moving average.

2. Above background at Site perimeter (indicate location on attached sketch)

3. Work may resume when total VOC conc. 200 ft downwind or half the distance to nearest receptor (whichever is less) is below 5 ppm for 15 min.

NOTE: All exceedences are to be reported to Benchmark within 15 minutes.

Prepared By: CCB Date: 11/21/18
Checked By: _____ Date: _____



Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	TWA (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/21/2018 13:35			0	0		
11/21/2018 13:34	0.006	0.0189	0	0	42.8892	-78.8767
11/21/2018 13:33	0.005	0.0195	0	0	42.8892	-78.8767
11/21/2018 13:32	0.095	0.0199	0	0	42.8892	-78.8767
11/21/2018 13:31	0.006	0.0144	0	0	42.8892	-78.8767
11/21/2018 13:30	0.007	0.015	0	0	42.8892	-78.8767
11/21/2018 13:29	0.007	0.0151	0	0	42.8892	-78.8767
11/21/2018 13:28	0.051	0.0161	0	0	42.8892	-78.8767
11/21/2018 13:27	0.007	0.0137	0	0	42.8892	-78.8767
11/21/2018 13:26	0.005	0.015	0	0	42.8892	-78.8767
11/21/2018 13:25	0.006	0.0159	0	0	42.8892	-78.8766
11/21/2018 13:24	0.043	0.0177	0	0	42.8892	-78.8766
11/21/2018 13:23	0.007	0.0155	0	0	42.8892	-78.8766
11/21/2018 13:22	0.013	0.0156	0	0	42.8892	-78.8766
11/21/2018 13:21	0.016	0.0229	0	0	42.8892	-78.8767
11/21/2018 13:20	0.009	0.0235	0	0	42.8892	-78.8766
11/21/2018 13:19	0.015	0.0237	0	0	42.8892	-78.8767
11/21/2018 13:18	0.012	0.0234	0	0	42.8892	-78.8767
11/21/2018 13:17	0.012	0.0232	0	0	42.8892	-78.8767
11/21/2018 13:16	0.015	0.023	0	0	42.8892	-78.8767
11/21/2018 13:15	0.008	0.0234	0	0	42.8892	-78.8767
11/21/2018 13:14	0.023	0.0241	0	0	42.8892	-78.8766
11/21/2018 13:13	0.015	0.0235	0	0	42.8892	-78.8766
11/21/2018 13:12	0.026	0.0235	0	0	42.8892	-78.8766
11/21/2018 13:11	0.019	0.0226	0	0	42.8892	-78.8766
11/21/2018 13:10	0.032	0.0225	0	0	42.8892	-78.8767
11/21/2018 13:09	0.01	0.0224	0	0	42.8892	-78.8768
11/21/2018 13:08	0.009	0.0231	0	0	42.8893	-78.8767
11/21/2018 13:07	0.123	0.0241	0	0	42.8893	-78.8766
11/21/2018 13:06	0.025	0.0171	0	0	42.8893	-78.8766
11/21/2018 13:05	0.012	0.0165	0	0	42.8893	-78.8766
11/21/2018 13:04	0.01	0.0166	0	0	42.8893	-78.8766
11/21/2018 13:03	0.009	0.0165	0	0	42.8893	-78.8766
11/21/2018 13:02	0.009	0.0167	0	0	42.8893	-78.8766
11/21/2018 13:01	0.021	0.0174	0	0	42.8893	-78.8766
11/21/2018 13:00	0.018	0.0168	0	0	42.8893	-78.8766
11/21/2018 12:59	0.014	0.0173	0	0	42.8893	-78.8766
11/21/2018 12:58	0.015	0.0183	0	0	42.8893	-78.8766
11/21/2018 12:57	0.013	0.0191	0	0	42.8893	-78.8766
11/21/2018 12:56	0.018	0.0192	0	0	42.8893	-78.8766
11/21/2018 12:55	0.03	0.0186	0	0	42.8893	-78.8766
11/21/2018 12:54	0.02	0.0174	0	0	42.8893	-78.8766
11/21/2018 12:53	0.024	0.0171	0	0	42.8893	-78.8766
11/21/2018 12:52	0.018	0.0165	0	0	42.8893	-78.8766
11/21/2018 12:51	0.017	0.0164	0	0	42.8892	-78.8766
11/21/2018 12:50	0.013	0.0163	0	0	42.8892	-78.8766
11/21/2018 12:49	0.008	0.0165	0	0	42.8893	-78.8766
11/21/2018 12:48	0.012	0.0165	0	0	42.8893	-78.8766
11/21/2018 12:47	0.02	0.0162	0	0	42.8893	-78.8766
11/21/2018 12:46	0.012	0.0154	0	0	42.8893	-78.8765
11/21/2018 12:45	0.026	0.0152	0	0	42.8893	-78.8765
11/21/2018 12:44	0.028	0.0141	0	0	42.8893	-78.8766
11/21/2018 12:43	0.028	0.0127	0	0	42.8893	-78.8765
11/21/2018 12:42	0.014	0.0105	0	0	42.8893	-78.8765
11/21/2018 12:41	0.009	0.0102	0	0	42.8893	-78.8765
11/21/2018 12:40	0.012	0.0103	0	0	42.8893	-78.8765
11/21/2018 12:39	0.015	0.0102	0	0	42.8893	-78.8765

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	TWA (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/21/2018 12:38	0.015	0.0098	0	0	42.8893	-78.8766
11/21/2018 12:35	0.015	0.0095	0	0	42.8893	-78.8766
11/21/2018 12:34	0.009	0.0091	0	0	42.8893	-78.8766
11/21/2018 12:33	0.007	0.0092	0	0	42.8893	-78.8766
11/21/2018 12:32	0.01	0.0094	0	0	42.8893	-78.8766
11/21/2018 12:31	0.01	0.0094	0	0	42.8893	-78.8766
11/21/2018 12:30	0.011	0.0094	0	0	42.8893	-78.8766
11/21/2018 12:29	0.01	0.009	0	0	42.8893	-78.8766
11/21/2018 12:28	0	0.009	0	0	42.8893	-78.8766
11/21/2018 12:27	0.01	0.01	0	0	42.8893	-78.8766
11/21/2018 12:26	0.01	0.01	0	0	42.8893	-78.8766
11/21/2018 12:25	0.01	0.01	0	0	42.8893	-78.8766
11/21/2018 12:24	0.01	0.01	0	0	42.8893	-78.8766
11/21/2018 12:23	0.01	0.01	0	0	42.8893	-78.8766
11/21/2018 12:22	0.01	0.0099	0	0	42.8893	-78.8766
11/21/2018 12:21	0.01	0.0099	0	0	42.8893	-78.8766
11/21/2018 12:20	0.01	0.0099	0	0	42.8893	-78.8766
11/21/2018 12:19	0.01	0.0099	0	0	42.8893	-78.8765
11/21/2018 12:18	0.01	0.0099	0	0	42.8893	-78.8765
11/21/2018 12:17	0.01	0.0099	0	0	42.8893	-78.8766
11/21/2018 12:16	0.01	0.0098	0	0	42.8893	-78.8766
11/21/2018 12:15	0.01	0.0098	0	0	42.8893	-78.8766
11/21/2018 12:14	0.01	0.0097	0	0	42.8893	-78.8766
11/21/2018 12:13	0.01	0.0097	0	0	42.8893	-78.8766
11/21/2018 12:10						
11/21/2018 12:09	0.01	0.0095	0	0	42.8893	-78.8766
11/21/2018 12:08	0.009	0.009	0	0	42.8893	-78.8766
11/21/2018 12:07					42.8894	-78.8766
11/21/2018 12:06					42.8894	-78.8766
11/21/2018 12:05						

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	TWA (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/29/2018 9:07	0.021	0.0917	0	0	42.8892	-78.8765
11/29/2018 9:08	0.022	0.083	0	0	42.8892	-78.8766
11/29/2018 9:09	0.022	0.0762	0	0	42.8892	-78.8766
11/29/2018 9:10	0.02	0.0706	0	0	42.8892	-78.8765
11/29/2018 9:11	0.021	0.0661	0	0	42.8892	-78.8765
11/29/2018 9:12	0.02	0.0622	0	0	42.8892	-78.8765
11/29/2018 9:13	0.02	0.059	0	0	42.8893	-78.8765
11/29/2018 9:14	0.022	0.0564	0	0	42.8893	-78.8765
11/29/2018 9:15	0.017	0.0537	0	0	42.8893	-78.8765
11/29/2018 9:17	0.016	0.0217	0	0	42.8893	-78.8765
11/29/2018 9:18	0.016	0.0208	0	0	42.8893	-78.8765
11/29/2018 9:19	0.015	0.0199	0	0	42.8892	-78.8765
11/29/2018 9:20	0.014	0.0192	0	0	42.8892	-78.8765
11/29/2018 9:21	0.014	0.0186	0	0	42.8892	-78.8765
11/29/2018 9:22	0.014	0.0181	0	0	42.8892	-78.8765
11/29/2018 9:23	0.015	0.0176	0	0	42.8892	-78.8765
11/29/2018 9:24	0.014	0.017	0	0	42.8892	-78.8765
11/29/2018 9:25	0.013	0.0165	0	0	42.8892	-78.8765
11/29/2018 9:26	0.014	0.016	0	0	42.8892	-78.8765
11/29/2018 9:27	0.013	0.0155	0	0	42.8892	-78.8766
11/29/2018 9:28	0.013	0.015	0	0	42.8892	-78.8766
11/29/2018 9:29	0.017	0.0146	0	0	42.8893	-78.8765
11/29/2018 9:30	0.011	0.0142	0	0	42.8892	-78.8765
11/29/2018 9:31	0.013	0.0141	0	0	42.8892	-78.8766
11/29/2018 9:32	0.034	0.0153	0	0	42.8892	-78.8766
11/29/2018 9:33	0.012	0.0151	0	0	42.8892	-78.8765
11/29/2018 9:34	0.012	0.0149	0	0	42.8892	-78.8765
11/29/2018 9:35	0.012	0.0147	0	0	42.8892	-78.8765
11/29/2018 9:36	0.015	0.0148	0	0	42.8892	-78.8765
11/29/2018 9:37	0.013	0.0147	0	0	42.8892	-78.8765
11/29/2018 9:38	0.017	0.0149	0	0	42.8892	-78.8765
11/29/2018 9:39	0.012	0.0147	0	0	42.8892	-78.8765
11/29/2018 9:40	0.014	0.0148	0	0	42.8892	-78.8765
11/29/2018 9:41	0.011	0.0146	0	0	42.8892	-78.8765
11/29/2018 9:42	0.011	0.0145	0	0	42.8892	-78.8765
11/29/2018 9:43	0.014	0.0145	0	0	42.8892	-78.8765
11/29/2018 9:44	0.015	0.0144	0	0	42.8892	-78.8765
11/29/2018 9:45	0.012	0.0145	0	0	42.8892	-78.8765
11/29/2018 9:46	0.011	0.0143	0	0	42.8892	-78.8766
11/29/2018 9:47	0.014	0.013	0	0	42.8892	-78.8766
11/29/2018 9:48	0.02	0.0135	0	0	42.8892	-78.8766
11/29/2018 9:49	0.015	0.0137	0	0	42.8892	-78.8765
11/29/2018 9:50	0.012	0.0137	0	0	42.8892	-78.8765
11/29/2018 9:51	0.011	0.0135	0	0	42.8892	-78.8765
11/29/2018 9:52	0.012	0.0134	0	0	42.8893	-78.8766
11/29/2018 9:53	0.012	0.0131	0	0	42.8893	-78.8766
11/29/2018 9:54	0.013	0.0131	0	0	42.8893	-78.8766
11/29/2018 9:55	0.013	0.0131	0	0	42.8893	-78.8766
11/29/2018 9:56	0.011	0.0131	0	0	42.8893	-78.8766
11/29/2018 9:57	0.012	0.0131	0	0	42.8893	-78.8766
11/29/2018 9:58	0.011	0.0129	0	0	42.8893	-78.8766
11/29/2018 9:59	0.012	0.0127	0	0	42.8893	-78.8766
11/29/2018 10:00	0.013	0.0128	0	0	42.8893	-78.8766
11/29/2018 10:01	0.02	0.0134	0	0	42.8893	-78.8766
11/29/2018 10:02	0.013	0.0133	0	0	42.8893	-78.8766
11/29/2018 10:03	0.016	0.0131	0	0	42.8893	-78.8766
11/29/2018 10:04	0.015	0.0131	0	0	42.8893	-78.8766

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	TWA (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/29/2018 10:05	0.013	0.0131	0	0	42.8893	-78.8766
11/29/2018 10:06	0.016	0.0135	0	0	42.8893	-78.8766
11/29/2018 10:07	0.012	0.0135	0	0	42.8893	-78.8766
11/29/2018 10:08	0.021	0.0141	0	0	42.8893	-78.8766
11/29/2018 10:09	0.013	0.0141	0	0	42.8893	-78.8766
11/29/2018 10:10	0.013	0.0141	0	0	42.8893	-78.8766
11/29/2018 10:11	0.016	0.0144	0	0.0016	42.8893	-78.8767
11/29/2018 10:12	0.014	0.0145	0	0.0016	42.8893	-78.8767
11/29/2018 10:13	0.029	0.0157	0	0.0016	42.8893	-78.8766
11/29/2018 10:14	0.024	0.0165	0	0.0016	42.8893	-78.8766
11/29/2018 10:15	0.016	0.0167	0	0.0016	42.8893	-78.8766
11/29/2018 10:16	0.017	0.0165	0	0.0016	42.8893	-78.8766
11/29/2018 10:17	0.014	0.0166	0	0.0016	42.8893	-78.8766
11/29/2018 10:18	0.015	0.0165	0	0.0016	42.8893	-78.8766
11/29/2018 10:19	0.018	0.0167	0	0.0016	42.8893	-78.8766
11/29/2018 10:20	0.025	0.0175	0	0.0016	42.8893	-78.8766
11/29/2018 10:21	0.017	0.0176	0	0.0016	42.8893	-78.8766
11/29/2018 10:22	0.028	0.0187	0	0.0016	42.8893	-78.8767
11/29/2018 10:23	0.015	0.0183	0	0.0016	42.8893	-78.8767
11/29/2018 10:24	0.016	0.0185	0	0.0016	42.8893	-78.8767
11/29/2018 10:25	0.014	0.0185	0	0.0016	42.8892	-78.8767
11/29/2018 10:26	0.014	0.0184	0	0	42.8892	-78.8768
11/29/2018 10:27	0.016	0.0185	0	0	42.8892	-78.8768
11/29/2018 10:28	0.014	0.0175	0	0	42.8893	-78.8767
11/29/2018 10:29	0.015	0.0169	0	0	42.8893	-78.8767
11/29/2018 10:30	0.014	0.0168	0	0	42.8893	-78.8766
11/29/2018 10:31	0.014	0.0166	0	0	42.8892	-78.8767
11/29/2018 10:32	0.013	0.0165	0	0	42.8892	-78.8766
11/29/2018 10:33	0.013	0.0164	0	0	42.8893	-78.8765
11/29/2018 10:34	0.014	0.0161	0	0	42.8892	-78.8765
11/29/2018 10:35	0.014	0.0154	0	0	42.8893	-78.8766
11/29/2018 10:36	0.013	0.0151	0	0	42.8893	-78.8765
11/29/2018 10:37	0.015	0.0143	0	0	42.8893	-78.8765
11/29/2018 10:38	0.017	0.0144	0	0	42.8893	-78.8765
11/29/2018 10:39	0.015	0.0143	0	0	42.8893	-78.8766
11/29/2018 10:40	0.015	0.0144	0	0	42.8893	-78.8766
11/29/2018 10:41	0.015	0.0145	0	0	42.8893	-78.8765
11/29/2018 10:42	0.016	0.0145	0	0	42.8892	-78.8766
11/29/2018 10:43	0.015	0.0145	0	0	42.8893	-78.8766
11/29/2018 10:44	0.016	0.0146	0	0	42.8893	-78.8766
11/29/2018 10:45	0.018	0.0149	0	0	42.8893	-78.8765
11/29/2018 10:46	0.016	0.015	0	0	42.8893	-78.8765
11/29/2018 10:47	0.018	0.0153	0	0	42.8893	-78.8765
11/29/2018 10:48	0.022	0.0159	0	0	42.8893	-78.8765
11/29/2018 10:49	0.019	0.0163	0	0	42.8893	-78.8766
11/29/2018 10:50	0.026	0.0171	0	0	42.8893	-78.8766
11/29/2018 10:51	0.019	0.0175	0	0	42.8893	-78.8766
11/29/2018 10:52	0.022	0.0179	0	0.0062	42.8892	-78.8766
11/29/2018 10:53	0.017	0.0179	0	0.0062	42.8892	-78.8766
11/29/2018 10:54	0.026	0.0187	0	0.0062	42.8893	-78.8766
11/29/2018 10:55	0.018	0.0189	0	0.0062	42.8892	-78.8766
11/29/2018 10:56	0.021	0.0193	0	0.0062	42.8893	-78.8766
11/29/2018 10:57	0.02	0.0195	0	0.0062	42.8893	-78.8765
11/29/2018 10:58	0.019	0.0198	0	0.0062	42.8892	-78.8766
11/29/2018 10:59	0.019	0.02	0	0.0062	42.8892	-78.8766
11/29/2018 11:00	0.019	0.0201	0	0.0062	42.8893	-78.8766
11/29/2018 11:01	0.018	0.0202	0	0.0062	42.8893	-78.8766

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	TWA (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/29/2018 11:02	0.019	0.0203	0	0.0062	42.8893	-78.8766
11/29/2018 11:03	0.022	0.0203	0	0.0062	42.8893	-78.8766
11/29/2018 11:04	0.02	0.0203	0	0.0062	42.8892	-78.8767
11/29/2018 11:05	0.019	0.0199	0	0.0062	42.8892	-78.8767
11/29/2018 11:06	0.019	0.0199	0	0.0062	42.8892	-78.8767
11/29/2018 11:07	0.018	0.0196	0	0	42.8892	-78.8766
11/29/2018 11:08	0.019	0.0197	0	0	42.8892	-78.8766
11/29/2018 11:09	0.018	0.0192	0	0	42.8892	-78.8766
11/29/2018 11:10	0.02	0.0193	0	0	42.8892	-78.8766
11/29/2018 11:11	0.018	0.0191	0	0	42.8892	-78.8766
11/29/2018 11:12	0.02	0.0191	0	0	42.8892	-78.8766
11/29/2018 11:13	0.019	0.0191	0	0	42.8892	-78.8766
11/29/2018 11:14	0.018	0.0191	0	0	42.8892	-78.8766
11/29/2018 11:15	0.018	0.019	0	0	42.8892	-78.8766
11/29/2018 11:16	0.018	0.019	0	0	42.8893	-78.8766
11/29/2018 11:17	0.022	0.0192	0	0	42.8893	-78.8766
11/29/2018 11:18	0.019	0.019	0	0	42.8893	-78.8766
11/29/2018 11:19	0.029	0.0196	0	0	42.8893	-78.8766
11/29/2018 11:20	0.019	0.0196	0	0	42.8893	-78.8766
11/29/2018 11:21	0.037	0.0208	0	0	42.8893	-78.8766
11/29/2018 11:22	0.032	0.0217	0	0	42.8893	-78.8766
11/29/2018 11:23	0.021	0.0219	0	0	42.8893	-78.8766
11/29/2018 11:24	0.024	0.0223	0	0	42.8893	-78.8766
11/29/2018 11:25	0.041	0.0237	0	0	42.8893	-78.8766
11/29/2018 11:26	0.032	0.0246	0	0	42.8893	-78.8766
11/29/2018 11:27	0.044	0.0262	0	0	42.8893	-78.8766
11/29/2018 11:28	0.018	0.0261	0	0	42.8893	-78.8766
11/29/2018 11:29	0.019	0.0262	0	0	42.8893	-78.8766
11/29/2018 11:30	0.02	0.0263			42.8893	-78.8766
11/29/2018 11:33	0.02	0.0274	0	0	42.8893	-78.8766
11/29/2018 11:34	0.019	0.0266	0	0	42.8893	-78.8766
11/29/2018 11:35	0.019	0.0266	0	0	42.8893	-78.8766
11/29/2018 11:36	0.018	0.0252	0	0	42.8893	-78.8766
11/29/2018 11:37	0.018	0.0241	0	0	42.8893	-78.8766
11/29/2018 11:38	0.02	0.024	0	0	42.8893	-78.8766
11/29/2018 11:39	0.02	0.0237	0	0	42.8893	-78.8766
11/29/2018 11:40	0.02	0.0221	0	0	42.8893	-78.8766
11/29/2018 11:41	0.022	0.0213	0	0	42.8892	-78.8766
11/29/2018 11:42	0.039	0.0209	0	0	42.8892	-78.8766
11/29/2018 11:43	0.051	0.0235	0	0	42.8892	-78.8766
11/29/2018 11:44	0.041	0.0252	0	0	42.8893	-78.8766
11/29/2018 11:45	0.045	0.0271	0	0	42.8893	-78.8766
11/29/2018 11:46	0.024	0.0269	0	0	42.8893	-78.8766
11/29/2018 11:47	0.021	0.0265	0	0	42.8893	-78.8765
11/29/2018 11:48	0.022	0.0266	0	0	42.8893	-78.8765
11/29/2018 11:49	0.032	0.0275	0	0	42.8893	-78.8765
11/29/2018 11:50	0.021	0.0276	0	0	42.8893	-78.8765
11/29/2018 11:51	0.022	0.0279	0	0	42.8893	-78.8765
11/29/2018 11:52	0.021	0.0281	0	0	42.8893	-78.8765
11/29/2018 11:53	0.023	0.0283	0	0	42.8893	-78.8765
11/29/2018 11:54	0.023	0.0285	0	0	42.8893	-78.8765
11/29/2018 11:55	0.021	0.0285	0	0	42.8893	-78.8765
11/29/2018 11:56	0.023	0.0286			42.8893	-78.8765
11/29/2018 11:57	0.022	0.0275	0	0	42.8893	-78.8765
11/29/2018 11:58	0.022	0.0255	0	0	42.8893	-78.8765
11/29/2018 11:59	0.023	0.0243	0	0	42.8893	-78.8765
11/29/2018 12:00	0.021	0.0227	0	0	42.8893	-78.8765

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	TWA (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/29/2018 12:01	0.022	0.0226	0	0	42.8893	-78.8766
11/29/2018 12:02	0.022	0.0227	0	0	42.8893	-78.8766
11/29/2018 12:03	0.022	0.0227	0	0	42.8893	-78.8766
11/29/2018 12:04	0.022	0.022	0	0	42.8893	-78.8765
11/29/2018 12:05	0.023	0.0221	0	0	42.8893	-78.8765
11/29/2018 12:07	0.022	0.0222	0	0	42.8893	-78.8765
11/29/2018 12:08	0.023	0.0222	0	0	42.8893	-78.8765
11/29/2018 12:09	0.025	0.0224	0	0	42.8893	-78.8765
11/29/2018 12:10	0.022	0.0224	0	0	42.8893	-78.8765
11/29/2018 12:11	0.025	0.0226	0	0	42.8893	-78.8765
11/29/2018 12:12	0.024	0.0227	0	0	42.8893	-78.8766
11/29/2018 12:13	0.023	0.0228	0	0	42.8893	-78.8766
11/29/2018 12:14	0.023	0.0228	0	0	42.8893	-78.8766
11/29/2018 12:15	0.024	0.023	0	0	42.8893	-78.8766
11/29/2018 12:16	0.026	0.0233	0	0	42.8893	-78.8766
11/29/2018 12:17	0.028	0.0237	0	0	42.8893	-78.8766
11/29/2018 12:18	0.024	0.0239	0	0	42.8893	-78.8766
11/29/2018 12:19	0.024	0.024	0	0	42.8893	-78.8766
11/29/2018 12:20	0.024	0.0241	0	0	42.8893	-78.8766
11/29/2018 12:21	0.024	0.0241	0	0	42.8893	-78.8766
11/29/2018 12:22	0.024	0.0242	0	0	42.8893	-78.8766
11/29/2018 12:23			0	0		
11/29/2018 12:24	0.024	0.0242	0	0	42.8893	-78.8766
11/29/2018 12:25	0.025	0.0244	0	0	42.8892	-78.8766
11/29/2018 12:26	0.026	0.0245	0	0	42.8892	-78.8766
11/29/2018 12:27	0.025	0.0246	0	0	42.8892	-78.8766
11/29/2018 12:28	0.024	0.0246	0	0	42.8893	-78.8766
11/29/2018 12:29	0.026	0.0249	0	0	42.8893	-78.8766
11/29/2018 12:30	0.026	0.025	0	0	42.8893	-78.8766
11/29/2018 12:31	0.025	0.0249	0	0	42.8893	-78.8766
11/29/2018 12:32	0.027	0.0249	0	0	42.8893	-78.8766
11/29/2018 12:33	0.028	0.0251	0	0	42.8892	-78.8766
11/29/2018 12:34	0.027	0.0254	0	0	42.8892	-78.8766
11/29/2018 12:35	0.028	0.0256	0	0	42.8893	-78.8766
11/29/2018 12:36	0.032	0.0262	0	0	42.8892	-78.8766
11/29/2018 12:37	0.031	0.0267	0	0	42.8892	-78.8766
11/29/2018 12:38	0.03	0.0269	0	0	42.8892	-78.8766
11/29/2018 12:39	0.027	0.0271	0	0	42.8892	-78.8766
11/29/2018 12:40	0.03	0.0275	0	0	42.8892	-78.8766
11/29/2018 12:41	0.031	0.0278	0	0	42.8892	-78.8766
11/29/2018 12:42	0.031	0.0282	0	0	42.8892	-78.8766
11/29/2018 12:43	0.033	0.0288	0	0	42.8892	-78.8766
11/29/2018 12:44	0.031	0.0291	0	0	42.8892	-78.8766
11/29/2018 12:45	0.031	0.0295	0	0	42.8892	-78.8767
11/29/2018 12:46	0.032	0.0299	0	0	42.8892	-78.8767
11/29/2018 12:47	0.031	0.0302	0	0	42.8892	-78.8767
11/29/2018 12:48	0.031	0.0304	0	0	42.8892	-78.8767
11/29/2018 12:52	0.03	0.0307	0	0	42.8892	-78.8766
11/29/2018 12:53	0.031	0.0307	0	0	42.8892	-78.8766
11/29/2018 12:54	0.034	0.0313	0	0	42.8892	-78.8766
11/29/2018 12:55	0.032	0.0315	0	0	42.8892	-78.8766
11/29/2018 12:56	0.034	0.0318	0	0	42.8892	-78.8766
11/29/2018 12:57	0.036	0.0322	0	0	42.8892	-78.8766
11/29/2018 12:58	0.035	0.0323	0	0	42.8892	-78.8766
11/29/2018 12:59	0.034	0.0326	0	0	42.8892	-78.8766
11/29/2018 13:00	0.035	0.0329	0	0	42.8891	-78.8767
11/29/2018 13:01	0.036	0.0333	0	0	42.8892	-78.8767

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	TWA (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/29/2018 13:02	0.038	0.0338	0	0	42.8892	-78.8767
11/29/2018 13:03	0.038	0.0344	0	0	42.8892	-78.8766
11/29/2018 13:04	0.039	0.0348	0	0	42.8892	-78.8766
11/29/2018 13:05	0.042	0.0353	0	0	42.8892	-78.8767
11/29/2018 13:06	0.037	0.0354	0	0	42.8892	-78.8767
11/29/2018 13:07	0.063	0.0376	0	0	42.8891	-78.8767
11/29/2018 13:08	0.06	0.0395	0	0	42.8891	-78.8768
11/29/2018 13:09	0.047	0.0404	0	0	42.8891	-78.8768
11/29/2018 13:10	0.039	0.0409	0	0	42.8891	-78.8768
11/29/2018 13:11	0.035	0.0409	0	0	42.8892	-78.8768
11/29/2018 13:12	0.033	0.0407	0	0	42.8891	-78.8768
11/29/2018 13:13	0.033	0.0406	0	0	42.8891	-78.8768
11/29/2018 13:14	0.073	0.0432	0	0	42.8891	-78.8768
11/29/2018 13:15	0.038	0.0434	0	0	42.8891	-78.8768
11/29/2018 13:16	0.036	0.0434	0	0	42.8891	-78.8768
11/29/2018 13:17	0.036	0.0433	0	0	42.8891	-78.8768
11/29/2018 13:18	0.036	0.0431	0	0	42.8891	-78.8768
11/29/2018 13:19	0.035	0.0429	0	0	42.8891	-78.8768
11/29/2018 13:20	0.037	0.0425	0	0	42.8891	-78.8768
11/29/2018 13:21	0.036	0.0425	0	0	42.8891	-78.8767
11/29/2018 13:22	0.036	0.0407	0	0	42.8892	-78.8767
11/29/2018 13:23	0.04	0.0393	0	0	42.8892	-78.8767
11/29/2018 13:24	0.038	0.0387	0	0	42.8891	-78.8768
11/29/2018 13:25	0.037	0.0386	0	0	42.8891	-78.8768
11/29/2018 13:26	0.04	0.0389	0	0	42.8891	-78.8768
11/29/2018 13:27	0.037	0.0392	0	0	42.8892	-78.8767
11/29/2018 13:28	0.035	0.0393	0	0	42.8892	-78.8766
11/29/2018 13:29	0.035	0.0368	0	0	42.8892	-78.8766
11/29/2018 13:30	0.034	0.0365	0	0	42.8892	-78.8766
11/29/2018 13:31	0.042	0.0369	0	0	42.8892	-78.8766
11/29/2018 13:32	0.037	0.037	0	0	42.8892	-78.8766
11/29/2018 13:33	0.035	0.0369	0	0	42.8892	-78.8766
11/29/2018 13:34	0.035	0.0369	0	0	42.8892	-78.8766
11/29/2018 13:35	0.037	0.0369	0	0	42.8892	-78.8766
11/29/2018 13:36	0.036	0.0369	0	0	42.8892	-78.8766
11/29/2018 13:37	0.038	0.0371	0	0	42.8892	-78.8766
11/29/2018 13:38	0.038	0.0369	0	0	42.8892	-78.8765
11/29/2018 13:39	0.036	0.0368	0	0	42.8892	-78.8766
11/29/2018 13:40	0.037	0.0368	0	0	42.8891	-78.8766
11/29/2018 13:41	0.04	0.0368	0	0	42.8891	-78.8766
11/29/2018 13:42	0.036	0.0367	0	0	42.8892	-78.8765
11/29/2018 13:43	0.044	0.0373	0	0	42.8892	-78.8765
11/29/2018 13:44	0.036	0.0374	0	0	42.8892	-78.8765
11/29/2018 13:45	0.037	0.0376	0	0		
11/29/2018 13:46	0.036	0.0372	0	0		
11/29/2018 13:47	0.036	0.0371	0	0	42.8892	-78.8766
11/29/2018 13:48	0.037	0.0373	0	0	42.8892	-78.8766
11/29/2018 13:49	0.037	0.0374	0	0	42.8893	-78.8766
11/29/2018 13:50	0.044	0.0379	0	0	42.8892	-78.8766
11/29/2018 13:51	0.037	0.0379	0	0	42.8893	-78.8765
11/29/2018 13:52	0.034	0.0377	0	0	42.8893	-78.8765
11/29/2018 13:53	0.034	0.0374	0	0	42.8892	-78.8766
11/29/2018 13:54	0.035	0.0373	0	0	42.8892	-78.8766
11/29/2018 13:55	0.034	0.0371	0	0	42.8892	-78.8766
11/29/2018 13:56	0.036	0.0369	0	0	42.8892	-78.8765
11/29/2018 13:57	0.036	0.0369	0	0	42.8892	-78.8765
11/29/2018 13:58	0.037	0.0364	0	0	42.8892	-78.8766

Date/Time	Mass Conc. Total (mg/m ³)	Mass Conc. Total (Avg15) (mg/m ³)	TWA (ppm)	VOC (Avg15) (ppm)	Latitude	Longitude
11/29/2018 13:59	0.037	0.0365	0	0	42.8892	-78.8766
11/29/2018 14:00	0.039	0.0366	0	0	42.8892	-78.8765
11/29/2018 14:01	0.037	0.0367	0	0	42.8893	-78.8765
11/29/2018 14:02	0.042	0.0371	0	0	42.8893	-78.8765
11/29/2018 14:03	0.037	0.0371	0	0	42.8892	-78.8766
11/29/2018 14:04	0.036	0.037	0	0	42.8892	-78.8766
11/29/2018 14:05	0.036	0.0365	0	0	42.8891	-78.8766
11/29/2018 14:06	0.036	0.0364	0	0	42.8891	-78.8767
11/29/2018 14:07	0.036	0.0365	0	0	42.8891	-78.8768
11/29/2018 14:08	0.039	0.0369	0	0	42.889	-78.8767
11/29/2018 14:09	0.036	0.0369	0	0	42.8889	-78.8768
11/29/2018 14:10	0.035	0.037	0	0	42.8888	-78.8768
11/29/2018 14:11	0.034	0.0369	0	0	42.8891	-78.8767
11/29/2018 14:12	0.032	0.0366	0	0	42.889	-78.8767
11/29/2018 14:13	0.034	0.0364	0	0	42.889	-78.8767
11/29/2018 14:14	0.035	0.0363	0	0	42.8889	-78.8768
11/29/2018 14:15	0.035	0.036	0	0	42.8889	-78.8768
11/29/2018 14:16	0.035	0.0359	0	0	42.8889	-78.8768
11/29/2018 14:17	0.037	0.0355	0	0	42.8888	-78.8769
11/29/2018 14:18	0.034	0.0353	0	0	42.8889	-78.8768
11/29/2018 14:19	0.036	0.0353	0	0	42.889	-78.8768
11/29/2018 14:20	0.037	0.0354	0	0	42.889	-78.8768
11/29/2018 14:21	0.035	0.0353	0	0	42.889	-78.8768
11/29/2018 14:22	0.033	0.0351	0	0	42.889	-78.8768
11/29/2018 14:23	0.033	0.0347	0	0	42.889	-78.8768
11/29/2018 14:24	0.034	0.0346	0	0	42.889	-78.8768
11/29/2018 14:25	0.034	0.0345	0	0	42.889	-78.8768
11/29/2018 14:26	0.035	0.0346	0	0	42.889	-78.8768
11/29/2018 14:27	0.128	0.041	0	0	42.889	-78.8767
11/29/2018 14:28	0.035	0.0411	0	0	42.889	-78.8767
11/29/2018 14:29	0.035	0.0411	0	0	42.8891	-78.8767
11/29/2018 14:30	0.035	0.0411	0	0	42.8892	-78.8766
11/29/2018 14:31	0.035	0.0411	0	0	42.8892	-78.8766
11/29/2018 14:32	0.096	0.045	0	0	42.8892	-78.8766
11/29/2018 14:33	0.034	0.045	0	0	42.8891	-78.8766

APPENDIX H

GROUNDWATER ANALYTICAL DATA

GROUNDWATER FIELD FORM

Project Name: Emergency School GWM
 Location: Bellfield

Project No.:

Date: 5/17/18
 Field Team: TAB

Well No. <u>HMW-6</u>			Diameter (inches): <u>2"</u>			Sample Date / Time: <u>5/17/18 1226</u>			
Product Depth (ftTOR): <u>-</u>			Water Column (ft): <u>8.23</u>			DTW when sampled: <u>1226</u>			
DTW (static) (ftTOR): <u>9.05</u>			One Well Volume (gal): <u>1.34</u>			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (ftTOR): <u>17.28</u>			Total Volume Purged (gal): <u>1</u>			Purge Method: <u>Low Flow</u>			
Time	Water Level (ftTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
<u>1205</u>	0 Initial	<u>20.35</u>	<u>7.25</u>	<u>18.9</u>	<u>5667</u>	<u>734</u>	<u>0.47</u>	<u>-66</u>	<u>0.25</u>
<u>1207</u>	1 <u>9.25</u>	<u>0.50</u>	<u>7.20</u>	<u>16.8</u>	<u>5636</u>	<u>466</u>	<u>0.45</u>	<u>-68</u>	<u>"</u>
<u>1209</u>	2 <u>9.35</u>	<u>1.0</u>	<u>7.25</u>	<u>15.6</u>	<u>4873</u>	<u>197</u>	<u>1.05</u>	<u>-69</u>	<u>"</u>
<u>1211</u>	3 <u>9.51</u>	<u>1.75</u>	<u>7.29</u>	<u>16.1</u>	<u>4226</u>	<u>95.8</u>	<u>0.70</u>	<u>-73</u>	<u>"</u>
<u>1214</u>	4 <u>9.51</u>	<u>2.50</u>	<u>7.35</u>	<u>16.2</u>	<u>3880</u>	<u>61.9</u>	<u>1.01</u>	<u>-72</u>	<u>"</u>
<u>1217</u>	5 <u>9.41</u>	<u>3.25</u>	<u>7.39</u>	<u>15.8</u>	<u>3511</u>	<u>31.9</u>	<u>0.99</u>	<u>-79</u>	<u>"</u>
<u>1220</u>	6 <u>9.38</u>	<u>3.75</u>	<u>7.41</u>	<u>16.1</u>	<u>3316</u>	<u>21.1</u>	<u>1.05</u>	<u>-81</u>	<u>"</u>
	7								
	8								
	9								
	10								
Sample Information:									
<u>1226</u>	S1 <u>9.38</u>	<u>4.25</u>	<u>7.45</u>	<u>16.8</u>	<u>3278</u>	<u>15.4</u>	<u>0.63</u>	<u>-84</u>	<u>"</u>
	S2								

Well No. <u>Sump #1</u>			Diameter (inches): <u>-</u>			Sample Date / Time: <u>5/17/18 1255</u>			
Product Depth (ftTOR): <u>-</u>			Water Column (ft): <u>-</u>			DTW when sampled: <u>-</u>			
DTW (static) (ftTOR): <u>1.51</u>			One Well Volume (gal): <u>-</u>			Purpose: ☐ Development ☐ Sample ☐ Purge & Sample			
Total Depth (ftTOR): <u>-</u>			Total Volume Purged (gal): <u>-</u>			Purge Method: <u>Direct grab</u>			
Time	Water Level (ftTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
<u>1255</u>	S1 <u>1.51</u>	<u>-</u>	<u>7.71</u>	<u>14.9</u>	<u>3872</u>	<u>4.66</u>	<u>2.38</u>	<u>-65</u>	
	S2								

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY: TAB

GROUNDWATER FIELD FORM

Project Name: Emerson School GWM

Date: 5/17/18

Location: Buffalo

Project No.: 0441-018-001 Field Team: TAB

Well No. <u>HMW-3</u>		Diameter (inches): <u>2"</u>		Sample Date / Time: <u>5/17/18 821</u>						
Product Depth (ftTOR): <u>-</u>		Water Column (ft): <u>8.02</u>		DTW when sampled: <u>8.95</u>						
DTW (static) (ftTOR): <u>8.80</u>		One Well Volume (gal): <u>1.30</u>		Purpose: ☐ Development ☐ Sample ☒ Purge & Sample						
Total Depth (ftTOR): <u>16.82</u>		Total Volume Purged (gal): <u>210.17</u>		Purge Method: <u>Low Flow</u>						
Time	Water Level (ftTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor	
8:08	0 Initial	70.25	6.38	13.5	2583	89.6	0.54	54	Blue water, Flashes st. Petro	
8:10	1 8.93	0.5	6.65	12.6	2603	16.2	0.12	-3	No Flashes "	
8:12	2 8.73	0.75	6.76	13.16	2653	9.16	1.61	-27	"	
8:15	3 8.95	1.0	6.78	12.3	2669	10.3	1.80	-35	"	
8:17	4 8.95	1.25	6.77	12.2	2706	8.76	3.10	-38	"	
5										
6										
7										
8										
9										
10										
Sample Information:										
821	S1	8.95	1.75	6.79	12.6	2730	6.78	3.57	-42	"
	S2									

Well No. <u>MW-10</u>		Diameter (inches): <u>4"</u>		Sample Date / Time: <u>5/17/18 857</u>						
Product Depth (ftTOR): <u>-</u>		Water Column (ft): <u>5.67</u>		DTW when sampled: <u>9.21</u>						
DTW (static) (ftTOR): <u>8.80</u>		One Well Volume (gal): <u>3.70</u>		Purpose: ☐ Development ☐ Sample ☒ Purge & Sample						
Total Depth (ftTOR): <u>14.47</u>		Total Volume Purged (gal): <u>2.0</u>		Purge Method: <u>Low Flow</u>						
Time	Water Level (ftTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor	
8:45	0 Initial	20.85	6.69	13.6	2345	474	5.66	-31	Blue water, Flashes	
8:47	1 8.92	0.50	6.80	12.1	2698	446	0.56	-16	"	
8:50	2 9.02	1.0	6.81	12.0	2707	221	0.73	-10	"	
8:52	3 8.98	1.25	6.82	12.1	2695	417	0.71	-8	"	
4										
5										
6										
7										
8										
9										
10										
Sample Information:										
857	S1	9.21	2.0	6.78	12.3	2657	89.7	0.26	-13	"
	S2									

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation	
Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria	
Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

GROUNDWATER FIELD FORM

Project Name: Emergon School GWM
Location: Butte

Date: 5/17/18
Field Team: TAB

Project No.: 0441-018-001

Well No. <u>HMW-4</u>		Diameter (inches): <u>2"</u>		Sample Date / Time: <u>5/17/18 935</u>						
Product Depth (ftTOR): <u>9.21</u>		Water Column (ft): <u>7.24</u>		DTW when sampled: <u>952</u>						
DTW (static) (ftTOR): <u>9.21</u>		One Well Volume (gal): <u>1.18</u>		Purpose: ☐ Development ☐ Sample ☒ Purge & Sample						
Total Depth (ftTOR): <u>16.45</u>		Total Volume Purged (gal):		Purge Method: <u>Low Flow</u>						
Time	Water Level (ftTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor	
9:20	Initial	20.25	7.15	11.9	9056	63.9	11.40	-15	sl. Turb. & odor	
9:23	9.40	1.0	7.39	10.9	8744	81.8	11.69	-9	"	
9:25	9.91	1.25	7.46	10.8	9008	81.2	11.77	-9	"	
9:28	9.35	1.75	7.50	10.9	9168	71.7	11.83	-5	"	
9:30	9.42	2.25	7.52	10.7	9206	67.9	11.88	-5	"	
5										
6										
7										
8										
9										
10										
Sample Information:										
935	S1	9.52	3.0	7.55	11.1	9052	11.2	11.90	-5	"
	S2									

Well No. <u>HMW-2</u>		Diameter (inches): <u>2"</u>		Sample Date / Time: <u>5/17/18 1019</u>						
Product Depth (ftTOR):		Water Column (ft): <u>8.93</u>		DTW when sampled: <u>1049</u>						
DTW (static) (ftTOR): <u>10.28</u>		One Well Volume (gal): <u>1.45</u>		Purpose: ☐ Development ☐ Sample ☒ Purge & Sample						
Total Depth (ftTOR): <u>19.21</u>		Total Volume Purged (gal):		Purge Method: <u>Low Flow</u>						
Time	Water Level (ftTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor	
10:06	Initial	20.25	7.60	13.5	2908	51.7	0.24	-57	sl. Turb. & odor	
10:08	10.51	1.0	7.52	13.1	3250	28.0	0.30	-84	"	
10:11	10.55	1.5	7.51	13.4	3232	26.3	0.20	-93	"	
10:14	10.51	2.25	7.50	13.3	3266	20.7	1.54	-95	"	
4										
5										
6										
7										
8										
9										
10										
Sample Information:										
1019	S1	1049	3.0	7.51	13.9	3182	15.7	1.94	-91	"
	S2									

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

TAB

GROUNDWATER FIELD FORM

Project Name: Emerson GWM

Date: 5/17/18

Location: Buffalo

Project No.: 0441-98-001

Field Team: TAB

Well No. <u>HMW-1</u>			Diameter (inches): <u>2"</u>			Sample Date / Time: <u>5/17/18 1058</u>				
Product Depth (fbTOR):			Water Column (ft): <u>5.29</u>			DTW when sampled: <u>11.58</u>				
DTW (static) (fbTOR): <u>11.50</u>			One Well Volume (gal): <u>0.94</u>			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample				
Total Depth (fbTOR): <u>17.29</u>			Total Volume Purged (gal): <u>1.75</u>			Purge Method: <u>Low Flow</u>				
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor	
1046	Initial	20.25	7.35	14.2	5120	467	1.18	-60	Turbid No. odor	
1048	1	0.75	7.35	13.4	4624	89.5	0.89	-60	sl. Turb. No. odor	
1051	2	1.25	7.36	13.3	4537	51.3	0.60	-65	"	
1053	3	1.50	7.35	13.3	4508	29.1	0.75	-67	"	
	4									
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1058	S1	11.58	1.75	7.35	13.7	4482	19.6	0.83	-72	"
	S2									

Well No. <u>HMW-5</u>			Diameter (inches): <u>2"</u>			Sample Date / Time: <u>5/17/18 1044</u>				
Product Depth (fbTOR):			Water Column (ft): <u>8.23</u>			DTW when sampled: <u>9.28</u>				
DTW (static) (fbTOR): <u>8.96</u>			One Well Volume (gal): <u>1.34</u>			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample				
Total Depth (fbTOR): <u>17.19</u>			Total Volume Purged (gal):			Purge Method: <u>Low Flow</u>				
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor	
1124	Initial	20.25	7.41	18.6	3503	79.3	1.44	-71	sl. Turb. No. odor	
1127	1	0.50	7.30	16.6	3452	98.0	1.71	-70	"	
1129	2	0.75	7.28	16.4	3176	50.5	1.11	-64	"	
1131	3	1.25	7.35	15.8	2674	44.6	1.12	-72	"	
1134	4	2.0	7.38	15.7	2418	48.7	1.10	-74	"	
1136	5	2.75	7.39	15.7	2338	47.0	1.55	-74	"	
1139	6	3.25	7.41	15.8	2305	28.5	1.03	-75		
	7									
	8									
	9									
	10									
Sample Information:										
1144	S1	9.28	3.75	7.43	16.9	2281	23.8	1.27	-77	
	S2									

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

EQUIPMENT CALIBRATION LOG

PROJECT INFORMATION:

Project Name: Emerson School C.W.M.

Project No.: BD441-018-001

Client: Meguna gear

Date: 5/17/12

Instrument Source: ☐ BM ☐ Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	POST CAL. READING	SETTINGS
☒ pH meter	units	0800	Myron L Company Ultra Meter 6P	6213516 6243084 6212375 6243003 6223973	TAB	4.00 7.00 10.01	3.95 6.98 9.96	
☒ Turbidity meter	NTU	0800	Hach 2100P or 2100Q Turbidimeter	06120C020523 (P) 13120C030432 (Q) 17110C062619 (Q)	TAB	10 NTU verification < 0.4 20 100 800	7.43	10.0
☐ Turbidity meter	NTU		LaMotte 2020	6523-1816 (La)		0.0 NTU 1.0 NTU 10.0 NTU		
☒ Sp. Cond. meter	uS mS	0800	Myron L Company Ultra Meter 6P	6213516 6243084 6212375 6243003 6223973	TAB	1413 mS @ 25 °C	1416	1413
☐ PID	ppm		MinRAE 2000			open air zero ppm Iso. Gas		MIBK response factor = 1.0
☒ Dissolved Oxygen	ppm	0800	HACH Model HQ30d	080700023281 100500041867 140200100319		100% Saturation	✓	103.3 9.5/4
☐ Particulate meter	mg/m ³					zero air		
☐ Radiation Meter	uR/H					background area		

ADDITIONAL REMARKS:

PREPARED BY: TAB

DATE: 5/17/12



ANALYTICAL REPORT

Lab Number:	L1818193
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Tom Forbes
Phone:	(716) 856-0599
Project Name:	HURONDEL GWM
Project Number:	B0441-018-001
Report Date:	05/25/18

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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



Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1818193-01	HMW-1	WATER	BUFFALO, NY	05/17/18 10:58	05/17/18
L1818193-02	HMW-2	WATER	BUFFALO, NY	05/17/18 10:19	05/17/18
L1818193-03	HMW-3	WATER	BUFFALO, NY	05/17/18 08:21	05/17/18
L1818193-04	HMW-4	WATER	BUFFALO, NY	05/17/18 09:35	05/17/18
L1818193-05	HMW-5	WATER	BUFFALO, NY	05/17/18 11:44	05/17/18
L1818193-06	HMW-6	WATER	BUFFALO, NY	05/17/18 12:26	05/17/18
L1818193-07	MW-10	WATER	BUFFALO, NY	05/17/18 08:57	05/17/18
L1818193-08	SUMP-1	WATER	BUFFALO, NY	05/17/18 12:55	05/17/18

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: HURONDEL GWM**Lab Number:** L1818193**Project Number:** B0441-018-001**Report Date:** 05/25/18**Case Narrative (continued)**

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

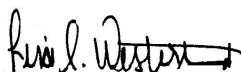
Volatile Organics

L1818193-03: The surrogate recovery is outside the acceptance criteria for 1,2-dichloroethane-d4 (133%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report. The results are not considered to be biased.

L1818193-07: Differences were noted between the results of the original analysis and the re-analysis on dilution which have been attributed to vial discrepancies. Further re-analysis could not be performed due to the existing vials being compromised.

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

Authorized Signature:



Lisa Westerlind

Title: Technical Director/Representative

Date: 05/25/18

ORGANICS

VOLATILES

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

SAMPLE RESULTS

Lab ID: L1818193-01
Client ID: HMW-1
Sample Location: BUFFALO, NY

Date Collected: 05/17/18 10:58
Date Received: 05/17/18
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/23/18 13:04
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.18	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

SAMPLE RESULTS

Lab ID: L1818193-01
Client ID: HMW-1
Sample Location: BUFFALO, NY

Date Collected: 05/17/18 10:58
Date Received: 05/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

SAMPLE RESULTS

Lab ID: L1818193-02
Client ID: HMW-2
Sample Location: BUFFALO, NY

Date Collected: 05/17/18 10:19
Date Received: 05/17/18
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/22/18 22:56
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	17		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

SAMPLE RESULTS

Lab ID: L1818193-02
Client ID: HMW-2
Sample Location: BUFFALO, NY

Date Collected: 05/17/18 10:19
Date Received: 05/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	0.95	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	58		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	140		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	38		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	130		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	77		70-130

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

SAMPLE RESULTS

Lab ID: L1818193-03
Client ID: HMW-3
Sample Location: BUFFALO, NY

Date Collected: 05/17/18 08:21
Date Received: 05/17/18
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/22/18 23:21
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	7.6		ug/l	2.5	0.70	1
Ethylbenzene	340	E	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

SAMPLE RESULTS

Lab ID: L1818193-03
Client ID: HMW-3
Sample Location: BUFFALO, NY

Date Collected: 05/17/18 08:21
Date Received: 05/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	560	E	ug/l	2.5	0.70	1
o-Xylene	25		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	54		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	220	E	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	94		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	133	Q	70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	77		70-130

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

SAMPLE RESULTS

Lab ID: L1818193-03 D
 Client ID: HMW-3
 Sample Location: BUFFALO, NY

Date Collected: 05/17/18 08:21
 Date Received: 05/17/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 05/23/18 17:31
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethylbenzene	490		ug/l	10	2.8	4
p/m-Xylene	530		ug/l	10	2.8	4
Cyclohexane	190		ug/l	40	1.1	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	93		70-130

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

SAMPLE RESULTS

Lab ID: L1818193-04
Client ID: HMW-4
Sample Location: BUFFALO, NY

Date Collected: 05/17/18 09:35
Date Received: 05/17/18
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/23/18 13:29
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

SAMPLE RESULTS

Lab ID: L1818193-04
Client ID: HMW-4
Sample Location: BUFFALO, NY

Date Collected: 05/17/18 09:35
Date Received: 05/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

SAMPLE RESULTS

Lab ID: L1818193-05
Client ID: HMW-5
Sample Location: BUFFALO, NY

Date Collected: 05/17/18 11:44
Date Received: 05/17/18
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/23/18 13:54
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	2.3	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.35	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

SAMPLE RESULTS

Lab ID: L1818193-05
Client ID: HMW-5
Sample Location: BUFFALO, NY

Date Collected: 05/17/18 11:44
Date Received: 05/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

SAMPLE RESULTS

Lab ID: L1818193-06
Client ID: HMW-6
Sample Location: BUFFALO, NY

Date Collected: 05/17/18 12:26
Date Received: 05/17/18
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/23/18 14:19
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.44	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

SAMPLE RESULTS

Lab ID: L1818193-06
Client ID: HMW-6
Sample Location: BUFFALO, NY

Date Collected: 05/17/18 12:26
Date Received: 05/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	1.2	J	ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

SAMPLE RESULTS

Lab ID: L1818193-07
Client ID: MW-10
Sample Location: BUFFALO, NY

Date Collected: 05/17/18 08:57
Date Received: 05/17/18
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/23/18 00:37
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	39		ug/l	2.5	0.70	1
Ethylbenzene	72		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

SAMPLE RESULTS

Lab ID: L1818193-07
Client ID: MW-10
Sample Location: BUFFALO, NY

Date Collected: 05/17/18 08:57
Date Received: 05/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	360		ug/l	2.5	0.70	1
o-Xylene	11		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	27		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	20		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	50		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	89		70-130

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

SAMPLE RESULTS

Lab ID: L1818193-07 R
Client ID: MW-10
Sample Location: BUFFALO, NY

Date Collected: 05/17/18 08:57
Date Received: 05/17/18
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/23/18 14:45
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	49		ug/l	2.5	0.70	1
Ethylbenzene	93		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

SAMPLE RESULTS

Lab ID: L1818193-07 R
Client ID: MW-10
Sample Location: BUFFALO, NY

Date Collected: 05/17/18 08:57
Date Received: 05/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	430	E	ug/l	2.5	0.70	1
o-Xylene	13		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	25		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	26		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	62		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	1.9	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	87		70-130

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

SAMPLE RESULTS

Lab ID: L1818193-08 **D2**
Client ID: SUMP-1
Sample Location: BUFFALO, NY

Date Collected: 05/17/18 12:55
Date Received: 05/17/18
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/23/18 15:35
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	540	E	ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	ND		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	13		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: HURONDEL GWM

Lab Number: L1818193

Project Number: B0441-018-001

Report Date: 05/25/18

SAMPLE RESULTS

Lab ID: L1818193-08 D2

Date Collected: 05/17/18 12:55

Client ID: SUMP-1

Date Received: 05/17/18

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	25		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

SAMPLE RESULTS

Lab ID: L1818193-08 D
 Client ID: SUMP-1
 Sample Location: BUFFALO, NY

Date Collected: 05/17/18 12:55
 Date Received: 05/17/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 05/23/18 01:52
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	550		ug/l	2.0	0.72	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: HURONDEL GWM

Lab Number: L1818193

Project Number: B0441-018-001

Report Date: 05/25/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/23/18 08:53
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1118668-10					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: HURONDEL GWM

Lab Number: L1818193

Project Number: B0441-018-001

Report Date: 05/25/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/23/18 08:53
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1118668-10					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: HURONDEL GWM

Lab Number: L1818193

Project Number: B0441-018-001

Report Date: 05/25/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/23/18 08:53
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1118668-10					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: HURONDEL GWM

Lab Number: L1818193

Project Number: B0441-018-001

Report Date: 05/25/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 05/22/18 19:11

Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,07-08 Batch: WG1118668-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: HURONDEL GWM

Lab Number: L1818193

Project Number: B0441-018-001

Report Date: 05/25/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 05/22/18 19:11
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,07-08 Batch: WG1118668-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: HURONDEL GWM**Lab Number:** L1818193**Project Number:** B0441-018-001**Report Date:** 05/25/18**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 05/22/18 19:11

Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,07-08 Batch: WG1118668-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: HURONDEL GWM

Project Number: B0441-018-001

Lab Number: L1818193

Report Date: 05/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,07-08 Batch: WG1118668-3 WG1118668-4								
Methylene chloride	96		100		70-130	4		20
1,1-Dichloroethane	95		100		70-130	5		20
Chloroform	98		100		70-130	2		20
Carbon tetrachloride	84		94		63-132	11		20
1,2-Dichloropropane	95		100		70-130	5		20
Dibromochloromethane	92		98		63-130	6		20
1,1,2-Trichloroethane	120		120		70-130	0		20
Tetrachloroethene	91		100		70-130	9		20
Chlorobenzene	94		100		75-130	6		20
Trichlorofluoromethane	92		100		62-150	8		20
1,2-Dichloroethane	110		120		70-130	9		20
1,1,1-Trichloroethane	92		100		67-130	8		20
Bromodichloromethane	94		100		67-130	6		20
trans-1,3-Dichloropropene	92		100		70-130	8		20
cis-1,3-Dichloropropene	88		95		70-130	8		20
Bromoform	84		92		54-136	9		20
1,1,2,2-Tetrachloroethane	110		120		67-130	9		20
Benzene	88		95		70-130	8		20
Toluene	92		99		70-130	7		20
Ethylbenzene	92		100		70-130	8		20
Chloromethane	76		82		64-130	8		20
Bromomethane	44		60		39-139	31	Q	20
Vinyl chloride	87		95		55-140	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HURONDEL GWM

Project Number: B0441-018-001

Lab Number: L1818193

Report Date: 05/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,07-08 Batch: WG1118668-3 WG1118668-4								
Chloroethane	78		89		55-138	13		20
1,1-Dichloroethene	90		97		61-145	7		20
trans-1,2-Dichloroethene	90		97		70-130	7		20
Trichloroethene	90		97		70-130	7		20
1,2-Dichlorobenzene	93		100		70-130	7		20
1,3-Dichlorobenzene	89		96		70-130	8		20
1,4-Dichlorobenzene	90		97		70-130	7		20
Methyl tert butyl ether	100		110		63-130	10		20
p/m-Xylene	90		100		70-130	11		20
o-Xylene	90		100		70-130	11		20
cis-1,2-Dichloroethene	89		95		70-130	7		20
Styrene	95		100		70-130	5		20
Dichlorodifluoromethane	82		88		36-147	7		20
Acetone	120		130		58-148	8		20
Carbon disulfide	79		87		51-130	10		20
2-Butanone	130		150	Q	63-138	14		20
4-Methyl-2-pentanone	100		110		59-130	10		20
2-Hexanone	110		120		57-130	9		20
Bromochloromethane	94		100		70-130	6		20
1,2-Dibromoethane	100		110		70-130	10		20
1,2-Dibromo-3-chloropropane	93		100		41-144	7		20
Isopropylbenzene	84		92		70-130	9		20
1,2,3-Trichlorobenzene	130		140	Q	70-130	7		20

Lab Control Sample Analysis Batch Quality Control

Project Name: HURONDEL GWM

Project Number: B0441-018-001

Lab Number: L1818193

Report Date: 05/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,07-08 Batch: WG1118668-3 WG1118668-4								
1,2,4-Trichlorobenzene	100		110		70-130	10		20
Methyl Acetate	130		140	Q	70-130	7		20
Cyclohexane	90		99		70-130	10		20
1,4-Dioxane	240	Q	280	Q	56-162	15		20
Freon-113	96		100		70-130	4		20
Methyl cyclohexane	89		97		70-130	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	125		127		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	102		104		70-130
Dibromofluoromethane	103		104		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: HURONDEL GWM

Project Number: B0441-018-001

Lab Number: L1818193

Report Date: 05/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1118668-8 WG1118668-9								
Methylene chloride	96		96		70-130	0		20
1,1-Dichloroethane	96		98		70-130	2		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	88		88		63-132	0		20
1,2-Dichloropropane	95		96		70-130	1		20
Dibromochloromethane	91		92		63-130	1		20
1,1,2-Trichloroethane	110		100		70-130	10		20
Tetrachloroethene	96		96		70-130	0		20
Chlorobenzene	96		97		75-130	1		20
Trichlorofluoromethane	95		90		62-150	5		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	94		94		67-130	0		20
Bromodichloromethane	95		96		67-130	1		20
trans-1,3-Dichloropropene	92		93		70-130	1		20
cis-1,3-Dichloropropene	89		89		70-130	0		20
Bromoform	85		85		54-136	0		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	90		90		70-130	0		20
Toluene	94		94		70-130	0		20
Ethylbenzene	96		96		70-130	0		20
Chloromethane	76		76		64-130	0		20
Bromomethane	65		65		39-139	0		20
Vinyl chloride	86		84		55-140	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HURONDEL GWM

Project Number: B0441-018-001

Lab Number: L1818193

Report Date: 05/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1118668-8 WG1118668-9								
Chloroethane	91		85		55-138	7		20
1,1-Dichloroethene	88		88		61-145	0		20
trans-1,2-Dichloroethene	91		92		70-130	1		20
Trichloroethene	92		93		70-130	1		20
1,2-Dichlorobenzene	96		98		70-130	2		20
1,3-Dichlorobenzene	94		94		70-130	0		20
1,4-Dichlorobenzene	95		95		70-130	0		20
Methyl tert butyl ether	95		97		63-130	2		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	93		94		70-130	1		20
Styrene	95		100		70-130	5		20
Dichlorodifluoromethane	75		72		36-147	4		20
Acetone	110		100		58-148	10		20
Carbon disulfide	81		81		51-130	0		20
2-Butanone	120		120		63-138	0		20
4-Methyl-2-pentanone	98		96		59-130	2		20
2-Hexanone	100		100		57-130	0		20
Bromochloromethane	91		92		70-130	1		20
1,2-Dibromoethane	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	87		89		41-144	2		20
Isopropylbenzene	90		90		70-130	0		20
1,2,3-Trichlorobenzene	110		130		70-130	17		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HURONDEL GWM

Project Number: B0441-018-001

Lab Number: L1818193

Report Date: 05/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1118668-8 WG1118668-9								
1,2,4-Trichlorobenzene	100		110		70-130	10		20
Methyl Acetate	120		120		70-130	0		20
Cyclohexane	93		90		70-130	3		20
1,4-Dioxane	174	Q	184	Q	56-162	6		20
Freon-113	96		92		70-130	4		20
Methyl cyclohexane	92		90		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	121		122		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	103		103		70-130
Dibromofluoromethane	103		104		70-130

INORGANICS & MISCELLANEOUS

Project Name: HURONDEL GWM**Project Number:** B0441-018-001**Lab Number:** L1818193**Report Date:** 05/25/18**SAMPLE RESULTS****Lab ID:** L1818193-01**Client ID:** HMW-1**Sample Location:** BUFFALO, NY**Date Collected:** 05/17/18 10:58**Date Received:** 05/17/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	320.		mg CaCO3/L	2.00	NA	1	-	05/23/18 06:34	121,2320B	GD



Project Name: HURONDEL GWM

Project Number: B0441-018-001

Lab Number: L1818193

Report Date: 05/25/18

SAMPLE RESULTS

Lab ID: L1818193-02

Client ID: HMW-2

Sample Location: BUFFALO, NY

Date Collected: 05/17/18 10:19

Date Received: 05/17/18

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	305.		mg CaCO3/L	2.00	NA	1	-	05/23/18 06:34	121,2320B	GD



Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

SAMPLE RESULTS

Lab ID: L1818193-03
Client ID: HMW-3
Sample Location: BUFFALO, NY

Date Collected: 05/17/18 08:21
Date Received: 05/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	470.		mg CaCO3/L	2.00	NA	1	-	05/23/18 06:34	121,2320B	GD



Project Name: HURONDEL GWM**Project Number:** B0441-018-001**Lab Number:** L1818193**Report Date:** 05/25/18**SAMPLE RESULTS****Lab ID:** L1818193-04**Client ID:** HMW-4**Sample Location:** BUFFALO, NY**Date Collected:** 05/17/18 09:35**Date Received:** 05/17/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	108.		mg CaCO3/L	2.00	NA	1	-	05/23/18 06:34	121,2320B	GD



Project Name: HURONDEL GWM

Project Number: B0441-018-001

Lab Number: L1818193

Report Date: 05/25/18

SAMPLE RESULTS

Lab ID: L1818193-05

Client ID: HMW-5

Sample Location: BUFFALO, NY

Date Collected: 05/17/18 11:44

Date Received: 05/17/18

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	237.		mg CaCO3/L	2.00	NA	1	-	05/23/18 06:34	121,2320B	GD



Project Name: HURONDEL GWM**Project Number:** B0441-018-001**Lab Number:** L1818193**Report Date:** 05/25/18**SAMPLE RESULTS****Lab ID:** L1818193-06**Client ID:** HMW-6**Sample Location:** BUFFALO, NY**Date Collected:** 05/17/18 12:26**Date Received:** 05/17/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	289.		mg CaCO3/L	2.00	NA	1	-	05/23/18 06:34	121,2320B	GD



Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

SAMPLE RESULTS

Lab ID: L1818193-07
Client ID: MW-10
Sample Location: BUFFALO, NY

Date Collected: 05/17/18 08:57
Date Received: 05/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	518.		mg CaCO3/L	2.00	NA	1	-	05/23/18 06:34	121,2320B	GD



Project Name: HURONDEL GWM

Project Number: B0441-018-001

Lab Number: L1818193

Report Date: 05/25/18

SAMPLE RESULTS

Lab ID: L1818193-08

Client ID: SUMP-1

Sample Location: BUFFALO, NY

Date Collected: 05/17/18 12:55

Date Received: 05/17/18

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	331.		mg CaCO3/L	2.00	NA	1	-	05/23/18 06:34	121,2320B	GD



Project Name: HURONDEL GWM

Lab Number: L1818193

Project Number: B0441-018-001

Report Date: 05/25/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG1119467-1										
Alkalinity, Total	ND		mg CaCO3/L	2.00	NA	1	-	05/23/18 06:34	121,2320B	GD

Lab Control Sample Analysis Batch Quality Control

Project Name: HURONDEL GWM

Project Number: B0441-018-001

Lab Number: L1818193

Report Date: 05/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG1119467-2								
Alkalinity, Total	104		-		90-110	-		10

Matrix Spike Analysis Batch Quality Control

Project Name: HURONDEL GWM

Lab Number: L1818193

Project Number: B0441-018-001

Report Date: 05/25/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1119467-4 QC Sample: L1800005-185 Client ID: MS Sample												
Alkalinity, Total	73.9	100	175	101		-	-		86-116	-		10

Lab Duplicate Analysis
Batch Quality Control

Project Name: HURONDEL GWM

Project Number: B0441-018-001

Lab Number: L1818193

Report Date: 05/25/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1119467-3 QC Sample: L1800005-184 Client ID: DUP Sample						
Alkalinity, Total	70.7	69.2	mg CaCO3/L	2		10

Project Name: HURONDEL GWM**Lab Number:** L1818193**Project Number:** B0441-018-001**Report Date:** 05/25/18**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1818193-01A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1818193-01B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1818193-01C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1818193-01D	Plastic 250ml unpreserved/No Headspace	A	NA		4.5	Y	Absent		ALK-T-2320(14)
L1818193-02A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1818193-02B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1818193-02C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1818193-02D	Plastic 250ml unpreserved/No Headspace	A	NA		4.5	Y	Absent		ALK-T-2320(14)
L1818193-03A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1818193-03B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1818193-03C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1818193-03D	Plastic 250ml unpreserved/No Headspace	A	NA		4.5	Y	Absent		ALK-T-2320(14)
L1818193-04A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1818193-04B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1818193-04C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1818193-04D	Plastic 250ml unpreserved/No Headspace	A	NA		4.5	Y	Absent		ALK-T-2320(14)
L1818193-05A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1818193-05B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1818193-05C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1818193-05D	Plastic 250ml unpreserved/No Headspace	A	NA		4.5	Y	Absent		ALK-T-2320(14)
L1818193-06A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1818193-06B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1818193-06C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Serial_No:05251815:32
Lab Number: L1818193
Report Date: 05/25/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1818193-06D	Plastic 250ml unpreserved/No Headspace	A	NA		4.5	Y	Absent		ALK-T-2320(14)
L1818193-07A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1818193-07B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1818193-07C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1818193-07D	Plastic 250ml unpreserved/No Headspace	A	NA		4.5	Y	Absent		ALK-T-2320(14)
L1818193-08A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1818193-08B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1818193-08C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1818193-08D	Plastic 250ml unpreserved/No Headspace	A	NA		4.5	Y	Absent		ALK-T-2320(14)

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers



Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1818193
Report Date: 05/25/18

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624: m/p-xylene, o-xylene

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 300: DW: Bromide

EPA 6860: SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **EPA 351.1, SM4500P-E, SM4500P-B, E,**

SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522.

Non-Potable Water

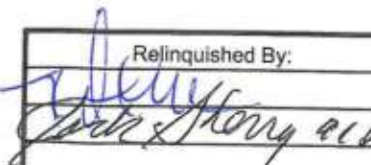
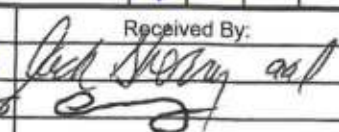
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.

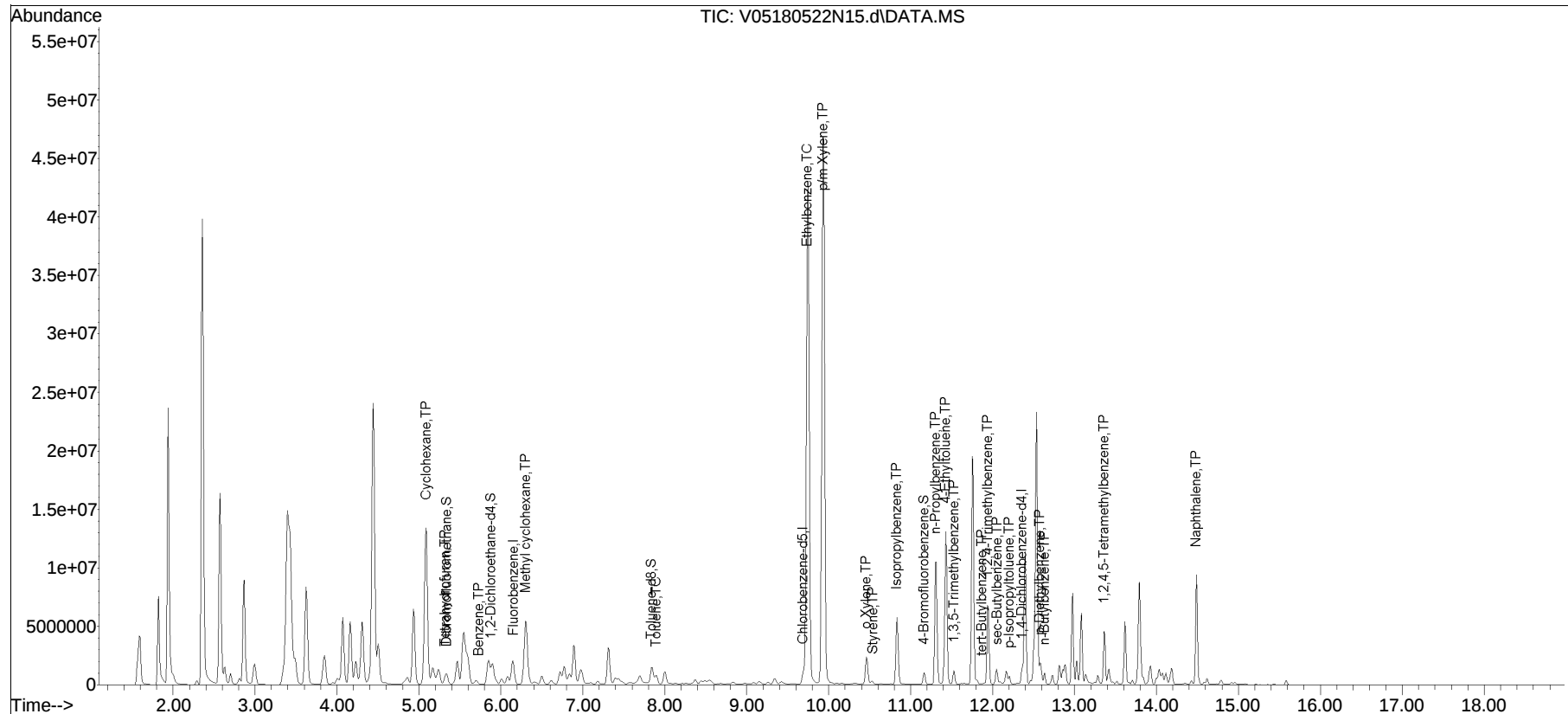
EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 1		Date Rec'd In Lab 5/18/18		ALPHA Job # L1818193	
		Project Information Project Name: <u>Hazardous GWM</u> Project Location: <u>Buffalo NY</u> Project # <u>30491-018-001</u> (Use Project name as Project #) ☐ Project Manager: <u>Tom Forbes</u> ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Deliverables: ☐ ASP-A ☐ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #			
Client Information Client: <u>Bowman & Co</u> Address: <u>2558 Hamilton Turnpike</u> <u>Lebanon NY 14218 suite 320</u> Phone: <u>(716) 818-9358</u> Fax: <u>(716) 856-0583</u> Email: <u>TForbes@BowmanCo.com</u>		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:					
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments:						ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)	
Please specify Metals or TAL.						TOL+CP-51 VOC SOLIDS TALKABILITY CLO3		Total Bottles	
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date Time		Sample Matrix	Sampler's Initials				
18193-01	HMW-1	5/17/18	1058	Water	TAB	X	X		
02	HMW-2		1019			X	X		
03	HMW-3		821			X	X		
04	HMW-4		935			X	X		
05	HMW-5		1144			X	X		
06	HMW-6		1226			X	X		
07	HMW-7 mw-10		857			X	X		
08	Temp-1		1255			X	X		
Preservative Code:		Container Code		Westboro: Certification No: MA935		Container Type			
A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Mansfield: Certification No: MA015		VP			
						BA			
Relinquished By:		Date/Time		Received By:		Date/Time		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
 5/17/18 1400		5/17/18 15:50		 5/17/18 15:50		5/18/18 00:50			

Sub List : 8260-Curve - Megamix plus Diox80522N\V05180522N01.d•



SAMPLE COLLECTION LOG

PROJECT INFORMATION

Project Name: Emerson Huron GWM
Project No.: B0441-018-001
Client: 73-79 W. Huron Street
Location: Buffalo, NY

SAMPLE DESCRIPTION

I.D.: GSW-1 Per-sample
Matrix: ☐ SURFACE WATER ☐ STORM
☐ SEEP ☒ GROUNDWATER
☐ INFLUENT ☐ EFFLUENT

SAMPLE INFORMATION

Date Collected: 6/5/18 Sample Type: ☒ POINT ☐ GRAB
Time Collected: 0840 ☐ COMPOSITE
Date Shipped to Lab: 6/6/18
Collected By: TAB
Sample Collection Method: ☒ DIRECT DIP ☐ SS / POLY. DIPPER ☐ PERISTALTIC PUMP
☐ POLY. DISP. BAILER ☐ ISCO SAMPLER ☐ HYDROSLEEVE

SAMPLING INFORMATION

Depth to Water: 1.51

Parameter	First	Last	Units
pH	<u>7.29</u>		units
Temp.	<u>17.4</u>		°C
Cond.	<u>3793</u>		mS
Turbidity	<u>7.71</u>		NTU
Eh / ORP	<u>23</u>		mV
D.O.	<u>3.60</u>		ppm
Odor	<u>None</u>		olfactory
Appearance	<u>Clear</u>		visual

LOCATION SKETCH

(not to scale, dimensions are approximate)



SAMPLE DESCRIPTION (appearance, olfactory):

Clear, No odor

SAMPLE ANALYSIS (depth, laboratory analysis required):

ADDITIONAL REMARKS:

PREPARED BY: TAB

DATE: 6/5/18



ANALYTICAL REPORT

Lab Number:	L1820847
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Tom Forbes
Phone:	(716) 856-0599
Project Name:	HURONDEL GWM
Project Number:	B0441-018-001
Report Date:	06/13/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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



Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1820847
Report Date: 06/13/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1820847-01	SUMP-1 RESAMPLE	WATER	BUFFALO, NY	06/05/18 08:30	06/06/18

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1820847
Report Date: 06/13/18

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1820847
Report Date: 06/13/18

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

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

Authorized Signature:



Amita Naik

Title: Technical Director/Representative

Date: 06/13/18

ORGANICS

VOLATILES

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1820847
Report Date: 06/13/18

SAMPLE RESULTS

Lab ID: L1820847-01 D
Client ID: SUMP-1 RESAMPLE
Sample Location: BUFFALO, NY

Date Collected: 06/05/18 08:30
Date Received: 06/06/18
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/13/18 03:02
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethane	ND		ug/l	6.2	1.8	2.5
Chloroform	ND		ug/l	6.2	1.8	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.34	2.5
1,2-Dichloropropane	ND		ug/l	2.5	0.34	2.5
Dibromochloromethane	ND		ug/l	1.2	0.37	2.5
1,1,2-Trichloroethane	ND		ug/l	3.8	1.2	2.5
Tetrachloroethene	480		ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	6.2	1.8	2.5
Trichlorofluoromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.33	2.5
1,1,1-Trichloroethane	ND		ug/l	6.2	1.8	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
Bromoform	ND		ug/l	5.0	1.6	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.42	2.5
Benzene	ND		ug/l	1.2	0.40	2.5
Toluene	ND		ug/l	6.2	1.8	2.5
Ethylbenzene	ND		ug/l	6.2	1.8	2.5
Chloromethane	ND		ug/l	6.2	1.8	2.5
Bromomethane	ND		ug/l	6.2	1.8	2.5
Vinyl chloride	ND		ug/l	2.5	0.18	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	ND		ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	ND		ug/l	6.2	1.8	2.5
Trichloroethene	12		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5

Project Name: HURONDEL GWM**Lab Number:** L1820847**Project Number:** B0441-018-001**Report Date:** 06/13/18**SAMPLE RESULTS**

Lab ID: L1820847-01 D

Date Collected: 06/05/18 08:30

Client ID: SUMP-1 RESAMPLE

Date Received: 06/06/18

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl tert butyl ether	ND		ug/l	6.2	1.8	2.5
p/m-Xylene	ND		ug/l	6.2	1.8	2.5
o-Xylene	ND		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	24		ug/l	6.2	1.8	2.5
Styrene	ND		ug/l	6.2	1.8	2.5
Dichlorodifluoromethane	ND		ug/l	12	2.5	2.5
Acetone	ND		ug/l	12	3.6	2.5
Carbon disulfide	ND		ug/l	12	2.5	2.5
2-Butanone	ND		ug/l	12	4.8	2.5
4-Methyl-2-pentanone	ND		ug/l	12	2.5	2.5
2-Hexanone	ND		ug/l	12	2.5	2.5
Bromochloromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dibromoethane	ND		ug/l	5.0	1.6	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	1.8	2.5
Isopropylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,3-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl Acetate	ND		ug/l	5.0	0.58	2.5
Cyclohexane	ND		ug/l	25	0.68	2.5
1,4-Dioxane	ND		ug/l	620	150	2.5
Freon-113	ND		ug/l	6.2	1.8	2.5
Methyl cyclohexane	ND		ug/l	25	0.99	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: HURONDEL GWM

Lab Number: L1820847

Project Number: B0441-018-001

Report Date: 06/13/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/12/18 19:29
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1125540-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: HURONDEL GWM

Lab Number: L1820847

Project Number: B0441-018-001

Report Date: 06/13/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/12/18 19:29
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1125540-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: HURONDEL GWM

Lab Number: L1820847

Project Number: B0441-018-001

Report Date: 06/13/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 06/12/18 19:29

Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1125540-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: HURONDEL GWM

Project Number: B0441-018-001

Lab Number: L1820847

Report Date: 06/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1125540-3 WG1125540-4								
Methylene chloride	94		91		70-130	3		20
1,1-Dichloroethane	93		91		70-130	2		20
Chloroform	94		92		70-130	2		20
Carbon tetrachloride	95		95		63-132	0		20
1,2-Dichloropropane	93		93		70-130	0		20
Dibromochloromethane	81		81		63-130	0		20
1,1,2-Trichloroethane	97		98		70-130	1		20
Tetrachloroethene	96		93		70-130	3		20
Chlorobenzene	94		91		75-130	3		20
Trichlorofluoromethane	93		84		62-150	10		20
1,2-Dichloroethane	92		92		70-130	0		20
1,1,1-Trichloroethane	94		94		67-130	0		20
Bromodichloromethane	93		94		67-130	1		20
trans-1,3-Dichloropropene	81		82		70-130	1		20
cis-1,3-Dichloropropene	93		93		70-130	0		20
Bromoform	74		76		54-136	3		20
1,1,2,2-Tetrachloroethane	94		96		67-130	2		20
Benzene	94		93		70-130	1		20
Toluene	94		91		70-130	3		20
Ethylbenzene	94		92		70-130	2		20
Chloromethane	100		100		64-130	0		20
Bromomethane	35	Q	30	Q	39-139	15		20
Vinyl chloride	98		96		55-140	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HURONDEL GWM

Project Number: B0441-018-001

Lab Number: L1820847

Report Date: 06/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1125540-3 WG1125540-4								
Chloroethane	88		83		55-138	6		20
1,1-Dichloroethene	72		94		61-145	27	Q	20
trans-1,2-Dichloroethene	94		93		70-130	1		20
Trichloroethene	91		91		70-130	0		20
1,2-Dichlorobenzene	94		94		70-130	0		20
1,3-Dichlorobenzene	95		93		70-130	2		20
1,4-Dichlorobenzene	92		93		70-130	1		20
Methyl tert butyl ether	94		96		63-130	2		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	93		94		70-130	1		20
Styrene	100		95		70-130	5		20
Dichlorodifluoromethane	93		90		36-147	3		20
Acetone	96		93		58-148	3		20
Carbon disulfide	80		100		51-130	22	Q	20
2-Butanone	91		95		63-138	4		20
4-Methyl-2-pentanone	86		88		59-130	2		20
2-Hexanone	82		87		57-130	6		20
Bromochloromethane	96		95		70-130	1		20
1,2-Dibromoethane	96		97		70-130	1		20
1,2-Dibromo-3-chloropropane	74		78		41-144	5		20
Isopropylbenzene	95		94		70-130	1		20
1,2,3-Trichlorobenzene	89		100		70-130	12		20

Lab Control Sample Analysis Batch Quality Control

Project Name: HURONDEL GWM

Project Number: B0441-018-001

Lab Number: L1820847

Report Date: 06/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1125540-3 WG1125540-4								
1,2,4-Trichlorobenzene	90		96		70-130	6		20
Methyl Acetate	89		91		70-130	2		20
Cyclohexane	97		95		70-130	2		20
1,4-Dioxane	70		100		56-162	35	Q	20
Freon-113	77		94		70-130	20		20
Methyl cyclohexane	98		96		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		102		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	101		100		70-130

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Serial_No:06131813:44
Lab Number: L1820847
Report Date: 06/13/18

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1820847-01A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1820847-01B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1820847-01C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)

Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1820847
Report Date: 06/13/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers



Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1820847
Report Date: 06/13/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: HURONDEL GWM
Project Number: B0441-018-001

Lab Number: L1820847
Report Date: 06/13/18

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

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

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



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624: m/p-xylene, o-xylene

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 300: DW: Bromide

EPA 6860: SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **EPA 351.1, SM4500P-E, SM4500P-B, E,**

SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 6 of 1		Date Rec'd in Lab 6/7/18		ALPHA Job # 4820847	
		Client Information Client: Benchmark Eng Address: 2558 Hamling Turnpike Lockwood NY 14218 Phone: (716) 818-8358 Fax: (716) 856-6583 Email: T.Bresnahan@benchmarkeng.com		Project Information Project Name: Emerson Haven Post Remedial GCM Project Location: Buffalo Project # 20441-018-001 (Use Project name as Project #) ☒ Project Manager: Tom Forbes ALPHAQuote #: Turn-Around Time: Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #	
Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:		ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)		Sample Specific Comments	
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: Please specify Metals or TAL.		ALPHA Lab ID (Lab Use Only) 20847-01		Sample ID Sump-1 Resample		Collection Date: 6/5/18 Time: 0830		Sample Matrix: water Sampler's Initials: T43	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type: V Preservative: B		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
Relinquished By: [Signature] Date/Time: 6/5/18 0830		Received By: [Signature] Date/Time: 6/6/18 1700		Relinquished By: [Signature] Date/Time: 6/6/18 1200		Received By: [Signature] Date/Time: 6/7/18 0555			

GROUNDWATER FIELD FORM

Project Name: Emerson Oil GWM Unit
 Location: Buffalo NY

Date: 10/24/18
 Field Team: TAB

Project No.:

Well No. <u>HMV-6</u>			Diameter (inches): <u>2"</u>			Sample Date / Time: <u>10/24/18</u>			
Product Depth (fbTOR): <u>-</u>			Water Column (ft): <u>8.01</u>			DTW when sampled: <u>9.60</u>			
DTW (static) (fbTOR): <u>9.29</u>			One Well Volume (gal): <u>1.30</u>			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): <u>17.30</u>			Total Volume Purged (gal): <u>3.90</u>			Purge Method: <u>Per Bailer</u>			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
0	Initial								
847	1 9.60	1.3	7.03	15.7	4286	71000	3.56	244	omitted
850	2 9.60	2.6	7.25	16.2	3869	71000	3.09	215	"
852	3 9.60	4.0	7.17	15.2	3211	71000	3.01	286	"
4									
5									
6									
7									
8									
9									
10									
Sample Information:									
859	S1 9.60	-	6.61	15.4	3677	71000	3.15	281	"
	S2								

Well No. <u>HMV-5</u>			Diameter (inches): <u>2"</u>			Sample Date / Time: <u>10/24/18</u>			
Product Depth (fbTOR): <u>-</u>			Water Column (ft): <u>8.02</u>			DTW when sampled: <u>9.35</u>			
DTW (static) (fbTOR): <u>9.18</u>			One Well Volume (gal): <u>1.30</u>			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): <u>17.20</u>			Total Volume Purged (gal): <u>4.0</u>			Purge Method: <u>Bailer</u>			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
0	Initial								
919	1 9.42	1.30	7.20	12.9	3770	71000	2.76	215	turn down
923	2 9.35	2.60	7.41	13.2	3220	71000	3.14	207	"
929	3 9.32	4.00	7.40	13.6	3543	71000	3.26	197	"
4									
5									
6									
7									
8									
9									
10									
Sample Information:									
934	S1 9.35	-	7.44	13.6	3277	71000	3.16	192	"
	S2								

REMARKS:

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

Note: All water level measurements are in feet, distance from top of riser.

PREPARED BY: TAB

Project Name: Emerson Oct GWM
Location: Buffalo

Date: 10/24/18
Project No.: 0441-018-W1 Field Team: T43

Well No. <u>HMW-1</u>			Diameter (inches): <u>2"</u>			Sample Date / Time: <u>10/27/18</u>			
Product Depth (ftTOR):			Water Column (ft): <u>5.69</u>			DTW when sampled: <u>1034</u>			
DTW (static) (ftTOR): <u>11.61</u>			One Well Volume (gal): <u>0.92</u>			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (ftTOR): <u>17.30</u>			Total Volume Purged (gal): <u>2.0</u>			Purge Method: <u>Low Flow</u>			
Time	Water Level (ftTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1027	0 Initial	>0.25	6.92	13.8	3547	136	3.27	204	St. Fash. No. Odor
1029	1 11.71	0.5	7.36	14.2	3373	87.3	3.56	175	"
1032	2 11.72	1.5	7.44	14.7	3375	24.2	3.15	175	"
1035	3 11.68	2.0	7.41	15.2	3453	12.0	2.48	173	"
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
1039	S1 11.68	-	7.51	12.5	3414	8.14	3.02	174	"
	S2								

Well No. <u>HMW-2</u>			Diameter (inches): <u>2"</u>			Sample Date / Time: <u>10/24/18</u>			
Product Depth (ftTOR):			Water Column (ft): <u>8.90</u>			DTW when sampled: <u>10.08</u>			
DTW (static) (ftTOR): <u>10.40</u>			One Well Volume (gal): <u>1.45</u>			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (ftTOR): <u>19.30</u>			Total Volume Purged (gal): <u>1.50</u>			Purge Method: <u>Low Flow</u>			
Time	Water Level (ftTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1056	0 Initial	>0.25	7.44	12.7	2787	43.3	2.69	-65	cl.
1058	1 10.71	0.25	7.45	14.7	2921	43.4	1.69	-91	"
1100	2 10.81	0.75	7.49	14.5	2948	67.3	2.14	-96	"
1102	3 10.85	1.50	7.48	14.3	2851	112	2.07	-116	"
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
1106	S1 10.85	-	7.52	12.7	2785	54.2	2.23	-123	
	S2								

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation	
Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria	
Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY: T43

GROUNDWATER FIELD FORM

Project Name: Emerson Out GWM
 Location: Bellefonte

Date: 10/24/18
 Project No.: 0441-018-001 Field Team: TAB

Well No. <u>HMB-4</u>			Diameter (inches): <u>2"</u>			Sample Date / Time: <u>10/24/18</u>			
Product Depth (fbTOR):			Water Column (ft): <u>7.19</u>			DTW when sampled: <u>9.75</u>			
DTW (static) (fbTOR): <u>9.31</u>			One Well Volume (gal): <u>1.17</u>			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): <u>16.50</u>			Total Volume Purged (gal):			Purge Method: <u>Low Flow</u>			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1130	0 Initial	20.25	7.63	13.0	2082	35.1	5.82	-77	SL Turbidity
1132	1 9.61	0.50	7.48	15.3	2127	21.9	6.33	-60	"
1136	2 9.81	1.75	7.50	15.0	2174	12.3	4.84	-45	clear No odor
1139	3 9.85	3.0	7.49	15.9	2253	17.0	4.69	-33	"
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
1144	S1 9.75	-	7.52	14.9	2232	28.6	4.51	-14	"
	S2								

Well No. <u>MW-10</u>			Diameter (inches): <u>4"</u>			Sample Date / Time:			
Product Depth (fbTOR):			Water Column (ft): <u>5.55</u>			DTW when sampled:			
DTW (static) (fbTOR): <u>8.95</u>			One Well Volume (gal): <u>3.62</u>			Purpose: ☐ Development ☐ Sample ☐ Purge & Sample			
Total Depth (fbTOR): <u>14.50</u>			Total Volume Purged (gal): <u>2.0</u>			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1205	0 Initial	20.25	6.83	13.8	2253	76.6	1.93	-99	SL Turbidity
1208	1 9.25	0.50	6.80	15.4	2254	78.1	1.61	-110	"
1211	2 9.25	1.25	6.81	15.0	2284	56.2	1.78	-110	"
1214	3 9.25	2.0	6.80	15.5	2302	42.7	1.55	-111	"
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
1219	S1 9.25	-	6.81	14.9	2330	32.0	1.96	-113	"
	S2								

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

GROUNDWATER FIELD FORM

Project Name: Emerson Oct GWM event
Location: Bulldo 14

Date: 10/24/18
Field Team: TAB

Project No.:

Well No. <u>HMW-3</u>			Diameter (inches): <u>2"</u>			Sample Date / Time: <u>10/24/18</u> <u>1252</u>			
Product Depth (ftTOR):			Water Column (ft): <u>7.94</u>			DTW when sampled: <u>9.11</u>			
DTW (static) (ftTOR): <u>8.87</u>			One Well Volume (gal): <u>1.25</u>			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (ftTOR): <u>16.83</u>			Total Volume Purged (gal): <u>3.25</u>			Purge Method: <u>Low Flow</u>			
Time	Water Level (ftTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
<u>1234</u>	0 Initial	<u>20.25</u>	<u>6.59</u>	<u>13.5</u>	<u>2324</u>	<u>42.3</u>	<u>2.37</u>	<u>-128</u>	<u>SL Turbid</u>
<u>1237</u>	<u>19.25</u>	<u>1.25</u>	<u>6.91</u>	<u>15.4</u>	<u>2478</u>	<u>32.6</u>	<u>3.63</u>	<u>-118</u>	<u>"</u>
<u>1241</u>	<u>19.05</u>	<u>1.75</u>	<u>6.91</u>	<u>14.6</u>	<u>2580</u>	<u>13.0</u>	<u>3.93</u>	<u>-120</u>	<u>Clear No odor</u>
<u>1244</u>	<u>9.10</u>	<u>2.25</u>	<u>6.91</u>	<u>14.9</u>	<u>2571</u>	<u>7.71</u>	<u>3.78</u>	<u>-120</u>	<u>"</u>
<u>1246</u>	<u>9.10</u>	<u>3.25</u>	<u>6.91</u>	<u>15.2</u>	<u>2649</u>	<u>4.70</u>	<u>3.90</u>	<u>-119</u>	<u>"</u>
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
<u>1252</u>	S1 <u>9.11</u>	<u>-</u>	<u>6.91</u>	<u>14.6</u>	<u>2603</u>	<u>14.4</u>	<u>4.28</u>	<u>-117</u>	<u>" SL Turbid</u>
	S2								

Well No.			Diameter (inches):			Sample Date / Time:			
Product Depth (ftTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (ftTOR):			One Well Volume (gal):			Purpose: ☐ Development ☐ Sample ☐ Purge & Sample			
Total Depth (ftTOR):			Total Volume Purged (gal):			Purge Method:			
Time	Water Level (ftTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
	S1								
	S2								

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY: TAB

SAMPLE COLLECTION LOG

PROJECT INFORMATION

Project Name: Emerson GWM

Project No.: B0441-018-001

Client: 73-79 W. Huron Street

Location: Buffalo, NY

SAMPLE DESCRIPTION

I.D.: GSW-1

Matrix: ☐ SURFACE WATER ☐ STORM
☐ SEEP ☒ GROUNDWATER
☐ INFLUENT ☐ EFFLUENT

SAMPLE INFORMATION

Date Collected: 10/24/11

Time Collected: 1309

Date Shipped to Lab: 10/24/11

Collected By:

Sample Type: ☒ POINT ☐ GRAB

☐ COMPOSITE

Sample Collection Method: ☒ DIRECT DIP

☐ SS / POLY. DIPPER

☐ PERISTALTIC PUMP

☐ POLY. DISP. BAILER

☐ ISCO SAMPLER

☐ HYDROSLEEVE

SAMPLING INFORMATION

Depth to Water:

Parameter	First	Last	Units
pH	<u>7.32</u>		units
Temp.	<u>9.7</u>		°C
Cond.	<u>3976</u>		mS
Turbidity	<u>4.68</u>		NTU
Eh / ORP	<u>-77</u>		mV
D.O.	<u>4.04</u>		ppm
Odor	<u>None</u>		olfactory
Appearance	<u>clear</u>		visual

LOCATION SKETCH

(not to scale, dimensions are approximate)



SAMPLE DESCRIPTION (appearance, olfactory):

SAMPLE ANALYSIS (depth, laboratory analysis required):

RL+CP-SI VOC

ADDITIONAL REMARKS:

PREPARED BY:

TAB

DATE:

10/24/11

PROJECT INFORMATION:

Project Name: *Emerson Oil Gum Plant*

Project No.: *0441-018-001-001-001*

Client: *Emerson*

Date: *10/29/18*

Instrument Source: ☐ BM ☐ Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	POST CAL. READING	SETTINGS
☐ pH meter	units		Myron L Company Ultra Meter 6P	6213516 ☐ 6243084 ☒ 6212375 ☐ 6243003 ☐ 6223973 ☐		4.00 7.00 10.01	4.0 7.01 9.97	4 7 10.0
☐ Turbidity meter	NTU		Hach 2100P or 2100Q Turbidimeter	06120C020523 (P) ☐ 13120C030432 (Q) ☐ 17110C062619 (Q) ☒		10 NTU verification < 0.4 20 100 800	<i>8.58 NTU</i>	
☐ Turbidity meter	NTU		LaMotte 2020	6523-1816 (La) ☐		0.0 NTU 1.0 NTU 10.0 NTU		
☐ Sp. Cond. meter	uS mS		Myron L Company Ultra Meter 6P	6213516 ☐ 6243084 ☐ 6212375 ☒ 6243003 ☐ 6223973 ☐		<i>7600ms @ 25 °C</i>	<i>7004</i>	<i>7.606</i>
☐ PID	ppm		MinRAE 2000	080700023281 ☒ 100500041867 ☐ 140200100319 ☐		open air zero ppm Iso. Gas		MIBK response factor = 1.0
☐ Dissolved Oxygen	ppm		HACH Model HQ30d			100% Saturation	<i>✓</i>	<i>100%</i>
☐ Particulate meter	mg/m ³					zero air		
☐ Radiation Meter	uR/H					background area		

ADDITIONAL REMARKS:

PREPARED BY: *[Signature]* DATE: *10/3*



ANALYTICAL REPORT

Lab Number:	L1843507
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Tom Forbes
Phone:	(716) 856-0599
Project Name:	EMERSON GWM
Project Number:	0441-018-001.001
Report Date:	10/31/18

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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



Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1843507-01	GSW-1	WATER	BUFFALO, NY	10/24/18 13:09	10/24/18
L1843507-02	HMW-1	WATER	BUFFALO, NY	10/24/18 10:34	10/24/18
L1843507-03	HMW-2	WATER	BUFFALO, NY	10/24/18 11:06	10/24/18
L1843507-04	HMW-3	WATER	BUFFALO, NY	10/24/18 12:52	10/24/18
L1843507-05	HMW-4	WATER	BUFFALO, NY	10/24/18 11:44	10/24/18
L1843507-06	HMW-5	WATER	BUFFALO, NY	10/24/18 09:34	10/24/18
L1843507-07	HMW-6	WATER	BUFFALO, NY	10/24/18 08:59	10/24/18
L1843507-08	MW-10	WATER	BUFFALO, NY	10/24/18 12:19	10/24/18

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Alkalinity, Total

The WG1172254-4 MS recovery (0%), performed on L1843507-02, is outside the acceptance criteria; however, the associated LCS recovery is within criteria. No further action was taken.

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

Authorized Signature:



Amita Naik

Title: Technical Director/Representative

Date: 10/31/18

ORGANICS

VOLATILES

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

SAMPLE RESULTS

Lab ID: L1843507-01 D
 Client ID: GSW-1
 Sample Location: BUFFALO, NY

Date Collected: 10/24/18 13:09
 Date Received: 10/24/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/29/18 23:58
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	10	2.8	4
1,1-Dichloroethane	ND		ug/l	10	2.8	4
Chloroform	ND		ug/l	10	2.8	4
Carbon tetrachloride	ND		ug/l	2.0	0.54	4
1,2-Dichloropropane	ND		ug/l	4.0	0.55	4
Dibromochloromethane	ND		ug/l	2.0	0.60	4
1,1,2-Trichloroethane	ND		ug/l	6.0	2.0	4
Tetrachloroethene	680		ug/l	2.0	0.72	4
Chlorobenzene	ND		ug/l	10	2.8	4
Trichlorofluoromethane	ND		ug/l	10	2.8	4
1,2-Dichloroethane	ND		ug/l	2.0	0.53	4
1,1,1-Trichloroethane	ND		ug/l	10	2.8	4
Bromodichloromethane	ND		ug/l	2.0	0.77	4
trans-1,3-Dichloropropene	ND		ug/l	2.0	0.66	4
cis-1,3-Dichloropropene	ND		ug/l	2.0	0.58	4
Bromoform	ND		ug/l	8.0	2.6	4
1,1,2,2-Tetrachloroethane	ND		ug/l	2.0	0.67	4
Benzene	ND		ug/l	2.0	0.64	4
Toluene	ND		ug/l	10	2.8	4
Ethylbenzene	ND		ug/l	10	2.8	4
Chloromethane	ND		ug/l	10	2.8	4
Bromomethane	ND		ug/l	10	2.8	4
Vinyl chloride	ND		ug/l	4.0	0.28	4
Chloroethane	ND		ug/l	10	2.8	4
1,1-Dichloroethene	ND		ug/l	2.0	0.68	4
trans-1,2-Dichloroethene	ND		ug/l	10	2.8	4
Trichloroethene	16		ug/l	2.0	0.70	4
1,2-Dichlorobenzene	ND		ug/l	10	2.8	4

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

SAMPLE RESULTS

Lab ID: L1843507-01 D
Client ID: GSW-1
Sample Location: BUFFALO, NY

Date Collected: 10/24/18 13:09
Date Received: 10/24/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	10	2.8	4
1,4-Dichlorobenzene	ND		ug/l	10	2.8	4
Methyl tert butyl ether	ND		ug/l	10	2.8	4
p/m-Xylene	ND		ug/l	10	2.8	4
o-Xylene	ND		ug/l	10	2.8	4
cis-1,2-Dichloroethene	31		ug/l	10	2.8	4
Styrene	ND		ug/l	10	2.8	4
Dichlorodifluoromethane	ND		ug/l	20	4.0	4
Acetone	ND		ug/l	20	5.8	4
Carbon disulfide	ND		ug/l	20	4.0	4
2-Butanone	ND		ug/l	20	7.8	4
4-Methyl-2-pentanone	ND		ug/l	20	4.0	4
2-Hexanone	ND		ug/l	20	4.0	4
Bromochloromethane	ND		ug/l	10	2.8	4
1,2-Dibromoethane	ND		ug/l	8.0	2.6	4
n-Butylbenzene	ND		ug/l	10	2.8	4
sec-Butylbenzene	ND		ug/l	10	2.8	4
1,2-Dibromo-3-chloropropane	ND		ug/l	10	2.8	4
Isopropylbenzene	ND		ug/l	10	2.8	4
p-Isopropyltoluene	ND		ug/l	10	2.8	4
n-Propylbenzene	ND		ug/l	10	2.8	4
1,2,3-Trichlorobenzene	ND		ug/l	10	2.8	4
1,2,4-Trichlorobenzene	ND		ug/l	10	2.8	4
1,3,5-Trimethylbenzene	ND		ug/l	10	2.8	4
1,2,4-Trimethylbenzene	ND		ug/l	10	2.8	4
Methyl Acetate	ND		ug/l	8.0	0.94	4
Cyclohexane	ND		ug/l	40	1.1	4
1,4-Dioxane	ND		ug/l	1000	240	4
Freon-113	ND		ug/l	10	2.8	4
Methyl cyclohexane	ND		ug/l	40	1.6	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	107		70-130



Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

SAMPLE RESULTS

Lab ID: L1843507-02
Client ID: HMW-1
Sample Location: BUFFALO, NY

Date Collected: 10/24/18 10:34
Date Received: 10/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/30/18 00:26
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.30	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

SAMPLE RESULTS

Lab ID: L1843507-02
Client ID: HMW-1
Sample Location: BUFFALO, NY

Date Collected: 10/24/18 10:34
Date Received: 10/24/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	108		70-130

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

SAMPLE RESULTS

Lab ID: L1843507-03 D2
 Client ID: HMW-2
 Sample Location: BUFFALO, NY

Date Collected: 10/24/18 11:06
 Date Received: 10/24/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/31/18 00:17
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
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1,2,4-Trimethylbenzene	540		ug/l	25	7.0	10
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

SAMPLE RESULTS

Lab ID: L1843507-03 **D**
Client ID: HMW-2
Sample Location: BUFFALO, NY

Date Collected: 10/24/18 11:06
Date Received: 10/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/30/18 00:53
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethane	ND		ug/l	6.2	1.8	2.5
Chloroform	ND		ug/l	6.2	1.8	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.34	2.5
1,2-Dichloropropane	ND		ug/l	2.5	0.34	2.5
Dibromochloromethane	ND		ug/l	1.2	0.37	2.5
1,1,2-Trichloroethane	ND		ug/l	3.8	1.2	2.5
Tetrachloroethene	ND		ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	6.2	1.8	2.5
Trichlorofluoromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.33	2.5
1,1,1-Trichloroethane	ND		ug/l	6.2	1.8	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
Bromoform	ND		ug/l	5.0	1.6	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.42	2.5
Benzene	ND		ug/l	1.2	0.40	2.5
Toluene	ND		ug/l	6.2	1.8	2.5
Ethylbenzene	10		ug/l	6.2	1.8	2.5
Chloromethane	ND		ug/l	6.2	1.8	2.5
Bromomethane	ND		ug/l	6.2	1.8	2.5
Vinyl chloride	ND		ug/l	2.5	0.18	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	ND		ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	ND		ug/l	6.2	1.8	2.5
Trichloroethene	ND		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

SAMPLE RESULTS

Lab ID: L1843507-03 D
Client ID: HMW-2
Sample Location: BUFFALO, NY

Date Collected: 10/24/18 11:06
Date Received: 10/24/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl tert butyl ether	ND		ug/l	6.2	1.8	2.5
p/m-Xylene	ND		ug/l	6.2	1.8	2.5
o-Xylene	ND		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	ND		ug/l	6.2	1.8	2.5
Styrene	ND		ug/l	6.2	1.8	2.5
Dichlorodifluoromethane	ND		ug/l	12	2.5	2.5
Acetone	ND		ug/l	12	3.6	2.5
Carbon disulfide	ND		ug/l	12	2.5	2.5
2-Butanone	ND		ug/l	12	4.8	2.5
4-Methyl-2-pentanone	ND		ug/l	12	2.5	2.5
2-Hexanone	ND		ug/l	12	2.5	2.5
Bromochloromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dibromoethane	ND		ug/l	5.0	1.6	2.5
n-Butylbenzene	9.3		ug/l	6.2	1.8	2.5
sec-Butylbenzene	ND		ug/l	6.2	1.8	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	1.8	2.5
Isopropylbenzene	73		ug/l	6.2	1.8	2.5
p-Isopropyltoluene	2.9	J	ug/l	6.2	1.8	2.5
n-Propylbenzene	140		ug/l	6.2	1.8	2.5
1,2,3-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,3,5-Trimethylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trimethylbenzene	570	E	ug/l	6.2	1.8	2.5
Methyl Acetate	ND		ug/l	5.0	0.58	2.5
Cyclohexane	69		ug/l	25	0.68	2.5
1,4-Dioxane	ND		ug/l	620	150	2.5
Freon-113	ND		ug/l	6.2	1.8	2.5
Methyl cyclohexane	13	J	ug/l	25	0.99	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	90		70-130



Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

SAMPLE RESULTS

Lab ID: L1843507-04
Client ID: HMW-3
Sample Location: BUFFALO, NY

Date Collected: 10/24/18 12:52
Date Received: 10/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/30/18 01:21
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	9.0		ug/l	2.5	0.70	1
Ethylbenzene	31		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

SAMPLE RESULTS

Lab ID: L1843507-04
Client ID: HMW-3
Sample Location: BUFFALO, NY

Date Collected: 10/24/18 12:52
Date Received: 10/24/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	72		ug/l	2.5	0.70	1
o-Xylene	20		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	12		ug/l	2.5	0.70	1
sec-Butylbenzene	9.1		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	18		ug/l	2.5	0.70	1
p-Isopropyltoluene	5.7		ug/l	2.5	0.70	1
n-Propylbenzene	110		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	53		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	5.9		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	96		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	64		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	80		70-130

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

SAMPLE RESULTS

Lab ID: L1843507-05
Client ID: HMW-4
Sample Location: BUFFALO, NY

Date Collected: 10/24/18 11:44
Date Received: 10/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/30/18 01:49
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

SAMPLE RESULTS

Lab ID: L1843507-05
Client ID: HMW-4
Sample Location: BUFFALO, NY

Date Collected: 10/24/18 11:44
Date Received: 10/24/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	1.0	J	ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	103		70-130

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

SAMPLE RESULTS

Lab ID: L1843507-06
Client ID: HMW-5
Sample Location: BUFFALO, NY

Date Collected: 10/24/18 09:34
Date Received: 10/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/30/18 02:17
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.43	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

SAMPLE RESULTS

Lab ID: L1843507-06
Client ID: HMW-5
Sample Location: BUFFALO, NY

Date Collected: 10/24/18 09:34
Date Received: 10/24/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	101		70-130

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

SAMPLE RESULTS

Lab ID: L1843507-07
Client ID: HMW-6
Sample Location: BUFFALO, NY

Date Collected: 10/24/18 08:59
Date Received: 10/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/30/18 02:45
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.53		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

SAMPLE RESULTS

Lab ID: L1843507-07
Client ID: HMW-6
Sample Location: BUFFALO, NY

Date Collected: 10/24/18 08:59
Date Received: 10/24/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	103		70-130

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

SAMPLE RESULTS

Lab ID: L1843507-08 D
Client ID: MW-10
Sample Location: BUFFALO, NY

Date Collected: 10/24/18 12:19
Date Received: 10/24/18
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/30/18 03:13
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethane	ND		ug/l	6.2	1.8	2.5
Chloroform	ND		ug/l	6.2	1.8	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.34	2.5
1,2-Dichloropropane	ND		ug/l	2.5	0.34	2.5
Dibromochloromethane	ND		ug/l	1.2	0.37	2.5
1,1,2-Trichloroethane	ND		ug/l	3.8	1.2	2.5
Tetrachloroethene	ND		ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	6.2	1.8	2.5
Trichlorofluoromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.33	2.5
1,1,1-Trichloroethane	ND		ug/l	6.2	1.8	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
Bromoform	ND		ug/l	5.0	1.6	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.42	2.5
Benzene	ND		ug/l	1.2	0.40	2.5
Toluene	12		ug/l	6.2	1.8	2.5
Ethylbenzene	500		ug/l	6.2	1.8	2.5
Chloromethane	ND		ug/l	6.2	1.8	2.5
Bromomethane	ND		ug/l	6.2	1.8	2.5
Vinyl chloride	ND		ug/l	2.5	0.18	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	ND		ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	ND		ug/l	6.2	1.8	2.5
Trichloroethene	ND		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

SAMPLE RESULTS

Lab ID: L1843507-08 **D**
Client ID: MW-10
Sample Location: BUFFALO, NY

Date Collected: 10/24/18 12:19
Date Received: 10/24/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl tert butyl ether	ND		ug/l	6.2	1.8	2.5
p/m-Xylene	290		ug/l	6.2	1.8	2.5
o-Xylene	29		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	ND		ug/l	6.2	1.8	2.5
Styrene	ND		ug/l	6.2	1.8	2.5
Dichlorodifluoromethane	ND		ug/l	12	2.5	2.5
Acetone	ND		ug/l	12	3.6	2.5
Carbon disulfide	ND		ug/l	12	2.5	2.5
2-Butanone	ND		ug/l	12	4.8	2.5
4-Methyl-2-pentanone	ND		ug/l	12	2.5	2.5
2-Hexanone	ND		ug/l	12	2.5	2.5
Bromochloromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dibromoethane	ND		ug/l	5.0	1.6	2.5
n-Butylbenzene	1.9	J	ug/l	6.2	1.8	2.5
sec-Butylbenzene	9.2		ug/l	6.2	1.8	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	1.8	2.5
Isopropylbenzene	61		ug/l	6.2	1.8	2.5
p-Isopropyltoluene	ND		ug/l	6.2	1.8	2.5
n-Propylbenzene	110		ug/l	6.2	1.8	2.5
1,2,3-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,3,5-Trimethylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trimethylbenzene	51		ug/l	6.2	1.8	2.5
Methyl Acetate	ND		ug/l	5.0	0.58	2.5
Cyclohexane	160		ug/l	25	0.68	2.5
1,4-Dioxane	ND		ug/l	620	150	2.5
Freon-113	ND		ug/l	6.2	1.8	2.5
Methyl cyclohexane	8.0	J	ug/l	25	0.99	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	91		70-130



Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/29/18 21:10
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1173907-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/29/18 21:10
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1173907-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/29/18 21:10
 Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1173907-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	105		70-130

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/30/18 18:42
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1174376-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/30/18 18:42
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1174376-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/30/18 18:42
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1174376-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1173907-3 WG1173907-4								
Methylene chloride	88		88		70-130	0		20
1,1-Dichloroethane	93		93		70-130	0		20
Chloroform	93		93		70-130	0		20
Carbon tetrachloride	98		96		63-132	2		20
1,2-Dichloropropane	93		93		70-130	0		20
Dibromochloromethane	95		92		63-130	3		20
1,1,2-Trichloroethane	94		96		70-130	2		20
Tetrachloroethene	99		100		70-130	1		20
Chlorobenzene	94		95		75-130	1		20
Trichlorofluoromethane	94		92		62-150	2		20
1,2-Dichloroethane	93		90		70-130	3		20
1,1,1-Trichloroethane	98		94		67-130	4		20
Bromodichloromethane	92		90		67-130	2		20
trans-1,3-Dichloropropene	95		96		70-130	1		20
cis-1,3-Dichloropropene	94		94		70-130	0		20
Bromoform	92		95		54-136	3		20
1,1,2,2-Tetrachloroethane	95		95		67-130	0		20
Benzene	80		80		70-130	0		20
Toluene	97		97		70-130	0		20
Ethylbenzene	99		99		70-130	0		20
Chloromethane	77		79		64-130	3		20
Bromomethane	40		48		39-139	18		20
Vinyl chloride	100		100		55-140	0		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1173907-3 WG1173907-4								
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	93		94		61-145	1		20
trans-1,2-Dichloroethene	96		96		70-130	0		20
Trichloroethene	90		92		70-130	2		20
1,2-Dichlorobenzene	97		99		70-130	2		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	99		100		70-130	1		20
Methyl tert butyl ether	94		93		63-130	1		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	93		95		70-130	2		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	79		77		36-147	3		20
Acetone	88		94		58-148	7		20
Carbon disulfide	91		90		51-130	1		20
2-Butanone	89		90		63-138	1		20
4-Methyl-2-pentanone	87		90		59-130	3		20
2-Hexanone	90		92		57-130	2		20
Bromochloromethane	92		89		70-130	3		20
1,2-Dibromoethane	96		95		70-130	1		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		110		70-130	10		20
1,2-Dibromo-3-chloropropane	85		83		41-144	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1173907-3 WG1173907-4								
Isopropylbenzene	100		110		70-130	10		20
p-Isopropyltoluene	110		110		70-130	0		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	97		95		70-130	2		20
1,2,4-Trichlorobenzene	100		99		70-130	1		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	120		120		70-130	0		20
Methyl Acetate	94		94		70-130	0		20
Cyclohexane	98		98		70-130	0		20
1,4-Dioxane	108		108		56-162	0		20
Freon-113	100		98		70-130	2		20
Methyl cyclohexane	97		99		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		103		70-130
Toluene-d8	105		106		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	103		101		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1174376-3 WG1174376-4								
Methylene chloride	86		89		70-130	3		20
1,1-Dichloroethane	92		94		70-130	2		20
Chloroform	95		91		70-130	4		20
Carbon tetrachloride	88		91		63-132	3		20
1,2-Dichloropropane	91		92		70-130	1		20
Dibromochloromethane	89		88		63-130	1		20
1,1,2-Trichloroethane	92		94		70-130	2		20
Tetrachloroethene	96		98		70-130	2		20
Chlorobenzene	93		93		75-130	0		20
Trichlorofluoromethane	90		90		62-150	0		20
1,2-Dichloroethane	85		85		70-130	0		20
1,1,1-Trichloroethane	91		93		67-130	2		20
Bromodichloromethane	86		88		67-130	2		20
trans-1,3-Dichloropropene	92		93		70-130	1		20
cis-1,3-Dichloropropene	90		90		70-130	0		20
Bromoform	88		86		54-136	2		20
1,1,2,2-Tetrachloroethane	94		95		67-130	1		20
Benzene	78		79		70-130	1		20
Toluene	94		97		70-130	3		20
Ethylbenzene	97		99		70-130	2		20
Chloromethane	82		85		64-130	4		20
Bromomethane	52		63		39-139	19		20
Vinyl chloride	100		110		55-140	10		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1174376-3 WG1174376-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	94		96		61-145	2		20
trans-1,2-Dichloroethene	93		96		70-130	3		20
Trichloroethene	89		87		70-130	2		20
1,2-Dichlorobenzene	98		98		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	99		99		70-130	0		20
Methyl tert butyl ether	89		90		63-130	1		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	93		94		70-130	1		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	77		77		36-147	0		20
Acetone	81		82		58-148	1		20
Carbon disulfide	93		95		51-130	2		20
2-Butanone	83		88		63-138	6		20
4-Methyl-2-pentanone	83		83		59-130	0		20
2-Hexanone	82		86		57-130	5		20
Bromochloromethane	92		89		70-130	3		20
1,2-Dibromoethane	92		92		70-130	0		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	78		79		41-144	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1174376-3 WG1174376-4								
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	110		110		70-130	0		20
n-Propylbenzene	100		110		69-130	10		20
1,2,3-Trichlorobenzene	91		92		70-130	1		20
1,2,4-Trichlorobenzene	97		97		70-130	0		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	120		120		70-130	0		20
Methyl Acetate	91		89		70-130	2		20
Cyclohexane	99		100		70-130	1		20
1,4-Dioxane	100		98		56-162	2		20
Freon-113	98		99		70-130	1		20
Methyl cyclohexane	96		100		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		96		70-130
Toluene-d8	106		106		70-130
4-Bromofluorobenzene	105		102		70-130
Dibromofluoromethane	102		101		70-130

INORGANICS & MISCELLANEOUS

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

SAMPLE RESULTS

Lab ID: L1843507-01
Client ID: GSW-1
Sample Location: BUFFALO, NY

Date Collected: 10/24/18 13:09
Date Received: 10/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	338.		mg CaCO3/L	2.00	NA	1	-	10/25/18 09:20	121,2320B	BR



Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

SAMPLE RESULTS

Lab ID: L1843507-02
Client ID: HMW-1
Sample Location: BUFFALO, NY

Date Collected: 10/24/18 10:34
Date Received: 10/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	329.		mg CaCO3/L	2.00	NA	1	-	10/25/18 09:20	121,2320B	BR



Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

SAMPLE RESULTS

Lab ID: L1843507-03
Client ID: HMW-2
Sample Location: BUFFALO, NY

Date Collected: 10/24/18 11:06
Date Received: 10/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	320.		mg CaCO3/L	2.00	NA	1	-	10/25/18 09:20	121,2320B	BR



Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

SAMPLE RESULTS

Lab ID: L1843507-04
Client ID: HMW-3
Sample Location: BUFFALO, NY

Date Collected: 10/24/18 12:52
Date Received: 10/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	396.		mg CaCO3/L	2.00	NA	1	-	10/25/18 09:20	121,2320B	BR



Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

SAMPLE RESULTS

Lab ID: L1843507-05
Client ID: HMW-4
Sample Location: BUFFALO, NY

Date Collected: 10/24/18 11:44
Date Received: 10/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	196.		mg CaCO3/L	2.00	NA	1	-	10/25/18 09:20	121,2320B	BR



Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

SAMPLE RESULTS

Lab ID: L1843507-06
Client ID: HMW-5
Sample Location: BUFFALO, NY

Date Collected: 10/24/18 09:34
Date Received: 10/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	336.		mg CaCO3/L	2.00	NA	1	-	10/25/18 09:20	121,2320B	BR



Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

SAMPLE RESULTS

Lab ID: L1843507-07
Client ID: HMW-6
Sample Location: BUFFALO, NY

Date Collected: 10/24/18 08:59
Date Received: 10/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	418.		mg CaCO3/L	2.00	NA	1	-	10/25/18 09:20	121,2320B	BR



Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

SAMPLE RESULTS

Lab ID: L1843507-08
Client ID: MW-10
Sample Location: BUFFALO, NY

Date Collected: 10/24/18 12:19
Date Received: 10/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	476.		mg CaCO3/L	2.00	NA	1	-	10/25/18 09:20	121,2320B	BR



Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG1172254-1										
Alkalinity, Total	ND		mg CaCO3/L	2.00	NA	1	-	10/25/18 09:20	121,2320B	BR

Lab Control Sample Analysis
Batch Quality Control

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG1172254-2								
Alkalinity, Total	104		-		90-110	-		10

Matrix Spike Analysis

Batch Quality Control

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Lab Number: L1843507
Report Date: 10/31/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1172254-4 QC Sample: L1843507-02 Client ID: HMW-1												
Alkalinity, Total	329.	100	323	0	Q	-	-		86-116	-		10

Lab Duplicate Analysis*Batch Quality Control***Project Name:** EMERSON GWM**Project Number:** 0441-018-001.001**Lab Number:** L1843507**Report Date:** 10/31/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1172254-3 QC Sample: L1843507-01 Client ID: GSW-1						
Alkalinity, Total	338.	337	mg CaCO3/L	0		10

Project Name: EMERSON GWM
Project Number: 0441-018-001.001

Serial_No:10311813:57
Lab Number: L1843507
Report Date: 10/31/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler **Custody Seal**
A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1843507-01A	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1843507-01B	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1843507-01C	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1843507-01D	Plastic 250ml unpreserved/No Headspace	A	NA		3.9	Y	Absent		ALK-T-2320(14)
L1843507-02A	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1843507-02B	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1843507-02C	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1843507-02D	Plastic 250ml unpreserved/No Headspace	A	NA		3.9	Y	Absent		ALK-T-2320(14)
L1843507-03A	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1843507-03B	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1843507-03C	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1843507-03D	Plastic 250ml unpreserved/No Headspace	A	NA		3.9	Y	Absent		ALK-T-2320(14)
L1843507-04A	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1843507-04B	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1843507-04C	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1843507-04D	Plastic 250ml unpreserved/No Headspace	A	NA		3.9	Y	Absent		ALK-T-2320(14)
L1843507-05A	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1843507-05B	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1843507-05C	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1843507-05D	Plastic 250ml unpreserved/No Headspace	A	NA		3.9	Y	Absent		ALK-T-2320(14)
L1843507-06A	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1843507-06B	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1843507-06C	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1843507-06D	Plastic 250ml unpreserved/No Headspace	A	NA		3.9	Y	Absent		ALK-T-2320(14)
L1843507-07A	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1843507-07B	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1843507-07C	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1843507-07D	Plastic 250ml unpreserved/No Headspace	A	NA		3.9	Y	Absent		ALK-T-2320(14)
L1843507-08A	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1843507-08B	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1843507-08C	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1843507-08D	Plastic 250ml unpreserved/No Headspace	A	NA		3.9	Y	Absent		ALK-T-2320(14)

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GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Report Format: DU Report with 'J' Qualifiers



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Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



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REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**EPA 6860:** SCM: Perchlorate**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg. EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

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