

New York State Department of Environmental Conservation, Region 9, Division of
Environmental Remediation

Soil Boring Investigation Report

Vac-Air Alloys.

300 Falconer Street, Frewsburg, NY 14738

NYSDEC Site No. 907016

January 16, 2026



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300 Falconer Street
Frewsburg, NY 14738

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Acronyms

AS	Air Stripper
bgs	Below ground surface
CCU	Catalytic Combustion Unit
CVOC	Chlorinated Volatile Organic Compounds
DL	Diluted
DTW	Depth to Water
DUP	Field Duplicate sample
Eurofins	Eurofins TestAmerica Laboratories, Inc.
eV	electron volts
FS	Feasibility Study
GC/MS	Gas Chromatography-Mass Spectrometry
GES	Groundwater & Environmental Services, Inc.
HDPE	high-density polyethylene
mg/Kg	milligram per kilogram
MS/MSD	matrix spike / matrix spike duplicate sample
6 NYCRR	Title 6 Official Compilation of New York Codes, Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
OM&M	Operation, Maintenance & Monitoring
PCBs	Polychlorinated biphenyls
PID	Photoionization detector
PRR	Periodic Review Reports
RI	Remedial Investigation
ROD	Record of Decision
SCOs	Soil cleanup objectives
SB	Soil Boring
SB-R	Sampled Soil Boring
Site	Vac-Air Alloys, Site No. 907016
SSB	Sub-Slab Soil Boring
Stormceptor	Precast Concrete Oil/Sediment/Water Separation Unit
SVE	Soil Vapor Extraction
TCE	Trichloroethylene
TPE	Total Phase Extraction
TPH	Total Petroleum Hydrocarbon
TREC	TREC Environmental, Inc.
VOC	Volatile organic compound

1 Introduction

This report has been prepared by Groundwater & Environmental Services, Inc. (GES) to document the sub-surface soil investigation field activities conducted in February and March 2020 at the former Keywell LLC Vac-Air Alloys Division facility, NYSDEC Site No. 907016, located at 300 Falconer Street, Frewsburg, New York (the "Site"). The work was completed in accordance with a call-out issued on November 9, 2016 (Modified 4/30/2019) by the New York State Department of Environmental Conservation (NYSDEC). A site location map has been included as **Figure 1**. A site map illustrating the site layout has been included as **Figure 2**.

2 Site Overview

2.1 Site Background

The 15-acre Site is located at 300 Falconer Street in the Town of Carroll near the northern boundary of the Village of Frewsburg, New York (**Figure 1**) in a rural-industrial area. The Site is bounded to the north by Conewango Creek, to the east by low lying and wooded areas, to the south by residential and industrial development, and to the west by Falconer Street. The Frewsburg Water District Supply Well 2A is located approximately 300 feet west of the Site across Falconer Street (**Figure 2**). Buildings on the Site include a former guard house at the plant entrance, a 112,000 square foot building complex (Front Processing Building) that housed the main process operation and administration offices, an 8,000 square foot metal clad building (Receiving Building), a groundwater treatment facility, and several small buildings/sheds, as well as paved, grassy, and wooded areas. An unnamed, intermittent drainage way consisting of sections of buried culvert and open swale transverses the property and discharges to a low-lying wetland area at the north end of the Site. This low-lying area drains to Conewango Creek.

The Site is currently vacant, fenced, and zoned for industrial-manufacturing and processing. Prior to 1969, the property was used for the manufacture of wafer board. Vac-Air Alloys started operations at this Site in 1969. The facility operations consisted of sorting, cleaning and packaging of high-grade scrap metal. The metal was cleaned by shot blasting and degreased with solvents, mainly trichloroethene (TCE). Waste produced from process operations included TCE sludge, spent TCE, and waste lubricating and hydraulic oils. Keywell LLC purchased the facility in 1987 and processed stainless steel, titanium, and other high grade scrap metal. The company signed Consent Orders with NYSDEC to conduct environmental investigations and remedial action at the Site. Based upon the Remedial Investigation/Feasibility Study (RI/FS), a Record of Decision (ROD) was signed in 1996. A remedial design was completed and construction began in 1997. The Site remediation included solvent recovery, construction of a barrier wall, air sparging/soil vapor extraction (SVE), groundwater extraction and treatment, sediment excavation, storm water controls, capping, and long-term monitoring. The remedial construction was completed in 1999.

In 2013, Keywell LLC filed a petition for reorganization under Chapter 11 of the bankruptcy laws and underwent a name change on January 14, 2014 to SGK Venture, LLC. SGK Venture, LLC continued operations until March 31, 2015, when facility operations ceased. Since 2016, NYSDEC

has assumed operation of the in-place groundwater remedial systems and implementation of supplemental remedial upgrades to ensure continued protection of public health and the environment. The site property does not currently have an owner.

The Site is located in the Allegheny Plateau physiographic province of New York State. Geology is highly varied and multi-layered. The stratigraphy in the vicinity of the site, from top to bottom, is composed of:

- A surficial fill layer, ranging from 0 to 6 feet in thickness, consisting of wood, slag, metal turnings, and debris in a loamy soil matrix and reworked native silt, clay, and gravel;
- An underlying saturated Upper Sand and Gravel Unit (i.e., the Water Table aquifer), which varies in thickness from 3 feet to 25 feet;
- An underlying varved silt and clay Confining Unit, believed to be lacustrine sediments, which contains a channeled, meandering Lower Sand and Gravel Unit (the Frewsburg Aquifer). The Confining Unit varies from 13.5 feet to 106 feet in thickness;
- 50 feet of glacial outwash sand, gravel, and clay; and
- Gray shale and fine-grained sandstone bedrock, believed to be part of the Upper Devonian Conewango Group, encountered 156 feet below ground surface.

Groundwater is found in two stratigraphic units, the Water Table Aquifer (shallow) and the Frewsburg Aquifer (deep), which are separated by the Confining Unit, whose presence allows the Frewsburg Aquifer to normally exhibit artesian conditions. Depth to water (DTW) in the Water Table Aquifer varies from 3 to 6 feet below ground surface flowing northward toward Conewango Creek.

2.2 Historical Site Activities

In March 1996, a ROD was issued for the Site. In September 1996, Keywell signed a Consent Order to conduct the RI/FS. Following the ROD, remedial measures began in 1997 in accordance with the ROD and *Evaluation of North Soil Area Remedial Alternatives* dated May 1996. The majority of the remedial construction activities were completed by January 1998. The remedial measures included:

- Installation of a slurry wall along the downgradient boundary of the North Soil Area.
- Installation of a 12-well groundwater extraction system (EW-1 through EW-12).
- Construction of a groundwater treatment system consisting of two bag filters, an air stripper, and a catalytic combustion unit (CCU) for vapor treatment, with treated effluent discharged to the surface water of Conewango Creek.
- Installation of a six (6) well (EW-13 through EW-18) SVE collection and treatment system within the Center Soil Area.
- Installation of two (2) monitoring wells (MW-13 and MW-14) and two (2) piezometers (PZ2 and PZ3).

- Installation of a new storm sewer along the west side of the Main Building, consisting of the replacement of the 36-inch corrugated metal pipe storm sewer that traversed the property with a 28-inch high-density polyethylene (HDPE) sewer and installation of a precast concrete oil/sediment/water separation unit (stormceptor) in-line, and other controls to isolate runoff from potentially contaminated groundwater.
- Excavation and off-site disposal of contaminated sediments from the low-lying wet area.
- Asphalt paving of areas north and west of the Main Building.

A *Final Remedial Design Report* dated June 1997 outlined the final design specifications for the remedial measures being implemented at the Site. The *Final Remedial Construction Report* dated July 1998 summarized all remedial measures completed thus far, following the requirements laid out in the *Final Remedial Design Report* and the Consent Order.

In August 2004 operation of the SVE system was discontinued with NYSDEC approval since it was demonstrated that the mass of TCE removed by the SVE system under optimal operating conditions was insignificant in contrast to the effectiveness of the treatment system.

In December 2004, pumping began at MW-2 due to persistence of Volatile Organic Compounds (VOC) in groundwater outside of the barrier wall; however, the well would run dry sooner than anticipated.

In November 2007, a voluntary program was initiated to pump groundwater from MW-14 due to elevated VOC concentrations compared to nearby extraction well concentrations.

On January 19, 2010, the CCU was taken off-line with NYSDEC approval as it was no longer required to provide treatment of VOC off gases from the air stripper to achieve compliance with air emission discharge limitations.

In May 2011, a NYSDEC approved *Post-Remedial Operation, Maintenance & Monitoring Plan* was implemented to update OM&M activities as part of the long-term operation of the various components of the remedial measures.

In March 2015, a request was submitted to NYSDEC to suspend the OM&M requirements for monthly pumping and sampling of monitoring wells MW-2 and MW-14 due to minimal recovery of impacted groundwater.

From January 2010 to February 2016, Benchmark Environmental Engineering & Science, PLLC performed OM&M at the Site. Work completed was reported in annual Periodic Review Reports (PRRs).

In 2016, NYSDEC took over the operation of the onsite remedial system. In February 2016, GES was contracted by the NYSDEC to conduct routine O&M of the remediation system, groundwater sampling, Site/system repairs as needed, and other associated activities.

In July 2016, GES performed a pilot test to determine total fluid recovery flow rates to allow sizing of a proper total phase extraction (TPE) pump to replace the existing centrifugal pump.

On October 4, 2016 GES submitted a *Pilot Test Summary Report* to the NYSDEC. The report recommended the installation of a TPE skid to help increase system effectiveness and reliability.

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Between February 22, 2019 and March 13, 2019, GES plumbed and installed a TPE skid and control panel, built by Newterra of Brockville, Ontario.

From February 24 through March 12, 2020, a GES subcontractor, TREC Environmental, performed Geoprobe subsurface investigation at 94 locations that were probed to depths ranging from 10 feet bgs to 22 feet bgs.

3 Soil Investigation Activities

3.1 Soil Borings

From February 24, 2020 through March 12, 2020, a site-wide subsurface investigation took place at the former Vac-Air facility. The work consisted of performing ninety-four (94) soil borings at pre-determined locations within the property boundaries of the Site: nine (9) sub-slab soil borings (SSB-#) in the Front Processing Building; forty-one (41) soil borings (SB-#), primarily for field screening and geologic descriptions; and forty-four (44) soil borings (SB-R#) where soil samples were submitted for laboratory analysis. Soil borings were not performed at proposed locations SB-2, SB-3, SB-6, SB- 7, and SB-R2 due to close proximity to remediation system components. Due to elevated Photoionization Detector (PID) readings, SB-1 was converted into SB-R101 in the field and a sample was collected for laboratory analysis.

GES oversaw the advancement of soil borings performed by TREC Environmental using a 6620DT Geoprobe track mounted direct push rig. Soil samples were collected using 2-inch diameter by 4-feet long Macro Core samplers with acetate liner sleeves. Total depths of borings varied site wide, ranging from 8 to 20 feet below ground surface (bgs). Soil Boring Logs (**Appendix A**) were compiled documenting total depths and geologic descriptions at all boring locations. Soil boring samples were examined by GES field staff for visual and olfactory impacts, grain size, color, moisture content, density, and order. Soil samples were also bagged and screened with a MiniRAE 3000 PID with a 10.6eV lamp to identify the presence of potential VOCs. Sample locations were predetermined by the NYSDEC. Only 46 of the 93 total Geoprobe boring locations were selected for sampling (the forty-four (44) SB-R# locations, as well as SB-17 and SSB-5). Forty-seven soil samples were submitted for laboratory analysis--one soil sample each from 45 borings and two soil samples from soil boring SB-R9. The remaining 48 soil boring locations were used to classify the soil lithology and determine the extent of fill materials located on the site.

Soil samples were collected at depth intervals with the highest PID readings or with evidence of visual and/or olfactory impacts. In locations where PID screening showed low or no readings and no obvious impacts were observed, samples were taken from the interface between fill and native soil.

3.2 Laboratory Sample Analysis: Quality Assurance/Quality Control

Soil samples were submitted to Eurofins TestAmerica in Amherst, New York under chain-of-custody control. Eurofins TestAmerica analyzed the samples for: Volatile Organic Compounds (VOCs) by Gas Chromatography/Mass Spectrometry (GC/MS) using Method 8260C; Polychlorinated Biphenyls (PCBs) by Gas Chromatography using Method 8082A; and Total Petroleum Hydrocarbons (TPH; Identification of routine petroleum products) using Method TPH 301.13 while following NY ASP protocol. All 47 soil samples submitted were analyzed for VOCs; however, PCB and TPH analyses were only performed on six soil samples. GES followed all rules and regulations to ensure that high quality data was obtained. Duplicate (DUP) and matrix spike/matrix spike duplicate (MS/MSD) samples were collected for every 20 field samples and submitted for analysis to assure quality of both the sample collection procedure and the laboratory preparation/analytical methods. Eurofins TestAmerica provided full Category B deliverables for the laboratory analytical data. The full laboratory analytical data reports are included as **Appendix B**.

4 Supplemental Site Investigation Results

4.1 Soil Analytical Results

Soil analytical data was tabulated and compared to NYCRR Part 375 SCO - New York State Part 375 Residential, Commercial, and Industrial Soil Cleanup Objectives (SCOs). Although the property is currently vacant, commercial or industrial reuses are most likely for the property. Sample locations are shown on **Figure 3**. Laboratory analytical reports are included in **Appendix B**.

4.1.1. Volatile Organic Compounds

VOC analytical data is summarized in **Table 1**. The analytes that are of most concern at the Site are chlorinated VOCs (CVOCs), most notably the former degreasing solvent Trichloroethene and its daughter products cis-1,2-Dichloroethene and Vinyl Chloride. Locations where VOCs were detected at concentrations over SCOs are summarized below:

- Trichloroethene:
 - TCE was detected over the Residential SCO (21 mg/kg) in soil samples from borings SB-R1, SB-R4, SB-R9 (DL), SB-R13, and SB-R24 at concentrations of 33, 61, 22, 45, and 36 mg/kg, respectively.
 - TCE was detected above the Commercial and Industrial SCOs (200 and 400 mg/kg, respectively) in the soil sample from boring SB-R101 [and SB-R101 (DL)] at concentrations of 1,400 and 1,900 mg/kg, respectively.
- cis-1,2-Dichloroethene (cis-1,2-DCE):
 - cis-1,2-DCE was detected over the Residential SCO (100 mg/kg) in the soil sample from boring SB-R101 at a concentration of 460 mg/kg.
 - cis-1,2-DCE was detected over the Commercial SCO (500 mg/kg) in the soil sample from boring SB-R101 (DL) at a concentration of 610 mg/kg.

- Vinyl Chloride:
 - Vinyl Chloride was detected over the Residential SCO (0.9 mg/kg) in soil samples from borings SB-R1 and SB-R3 at concentrations of 2.3 and 0.940 mg/kg, respectively.
 - Vinyl Chloride was detected over the Commercial SCO (13 mg/kg) in the soil sample from boring SB-R101 [and SB-R101 (DL)] at concentrations of 16 and 20 mg/kg, respectively.

Of the 47 samples collected for VOC analysis, seven had detections of CVOCs above SCOs. The 7 sample locations (SB-R1, SB-R3, SB-R4, SB-R9, SB-R13, SB-R24, and SB-R101) are all located within the Front Processing Building or to the north of it. Sample locations SB-R1 and SB-R3 are located on the northern boundary of the site past the groundwater extraction well line and the slurry wall, indicating residual CVOC contamination remains outside the groundwater extraction well line and the slurry wall. Sample Location SB-R101 is located on the northern boundary of the site and is inside the slurry wall in an area of suspected drum disposal. Sample Location SB-R4 is located at the northeastern corner of the Site near the treatment system building and is inside the groundwater extraction well line. Sample Location SB-R9 is located at the northwestern corner of the Site along the fence line; the groundwater extraction system does not extend to that portion of the site. The remaining sample locations, SB-R13 and SB-R24, are located inside the Front Processing Building.

4.1.2. Polychlorinated Biphenyls

PCB analytical data is summarized in **Table 2**. Of the six samples collected for PCB analysis, PCBs were only detected at a concentration slightly over the Residential/Commercial SCOs (1 mg/kg) in one sample--Aroclor 1254 (1.8 mg/kg) in the 8-10 feet bgs soil sample from boring SB-R101, which is located at the northern boundary of the site near well MW-2. Aroclor 1260 was also detected at a concentration (0.15 mg/kg) below SCOs in the 12-14 feet bgs soil sample from boring SB-R10, which is located at the southwestern corner of the concrete Steel Turnings Pad. The low-level PCB detections at these sample locations appear to be unrelated.

4.1.3. Total Petroleum Hydrocarbons

TPH analytical data is summarized in **Table 3**. Of the six samples collected for TPH analysis, four had detections for Motor Oils: SB-R3, which is located on the north side of the site near MW-3, 73 mg/kg in the 10-12 feet bgs soil sample; SB-R10, which is located at the southwest corner of the Steel Turnings Pad, 310 mg/kg in the 12-14 feet bgs soil sample; SB-R11, which is located at the southeast corner of the Steel Turnings Pad, 1,600 mg/kg in the 4-6 feet bgs soil sample; and SB-R101, which is located at the north side of the site near MW-2, 20,000 mg/kg in the 8-10 feet bgs soil sample. The detections at these sample locations do not appear to have a discernable relationship.

Of the six samples collected for TPH analysis, four had detections for #2 Fuel Oil: SSB-5, which is located in the northwest corner of the Front Processing Building, 1.3 mg/kg in the 10-12 feet bgs soil sample; SB-R3, which is located on the north side of the site near MW-3, 25 mg/kg in the 10-12 feet bgs soil sample; S-R7, which is located in the middle of the Steel Turnings Pad near



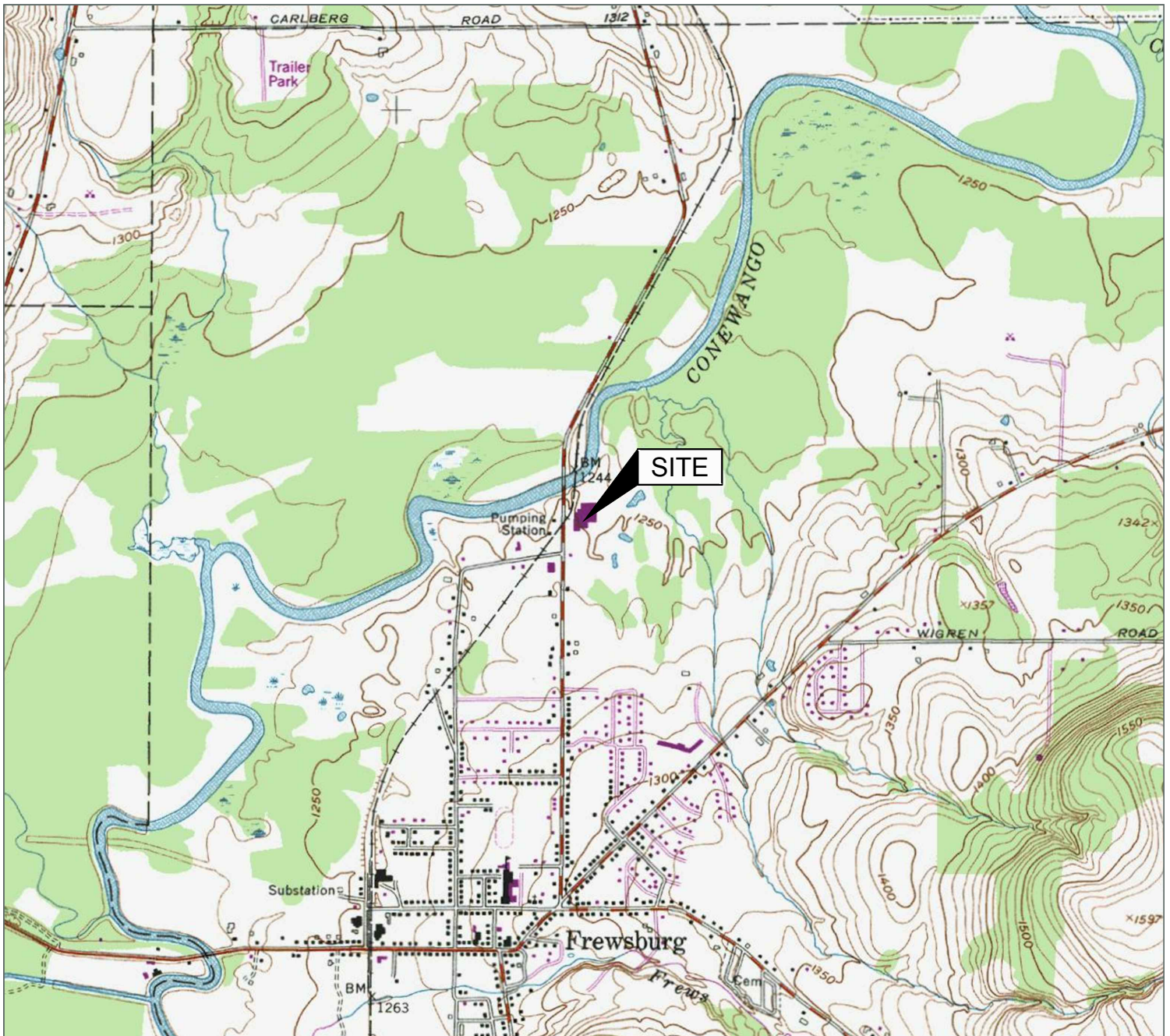
MW-9R, 20 mg/kg in the interval 14-16 feet bgs soil sample; and SB-R101, which is located at the north side of the site near MW-2, 6,200 mg/kg in the 8-10 feet bgs soil sample. The detections at these sample locations do not appear to have a discernable relationship.

5 Conclusions

Based on the results of the sub-surface soil investigation, there is evidence that CVOCs are present above SCOs in the Front Processing Building and to the north of it. There is also evidence of past CVOC migration from the northern boundary of the site to beyond the groundwater extraction well line and slurry barrier wall. Further investigations are suggested to determine the extent of site-wide residual CVOC contamination and evaluation of methods to remediate these compounds. Regarding the distribution of PCBs and TPH, there is no definitive correlation that was identified between the analytes detected, the depth they were detected at, and the location of the soil boring.



Figures



Source:
USGS 7.5 Minute Series
Topographic Quadrangle, 1979
Jamestown, New York
Contour Interval = 10'



Site Location Map

NYSDEC
Vac-Air Alloys Site #907016
300 Falconer Street
Frewsburg, New York

Drawn
W.G.S.
Designed
Approved



Date
2/6/19
Figure
1

Scale In Feet

0 2000



Groundwater & Environmental Services, Inc.



Tables

Table 1



Soil Analytical Summary
Volatile Organic Compounds

Sample Location	NY Part 375 Residential SCO	NY Part 375 Commercial SCO	NY Part 375 Industrial SCO	SB-R1	SB-R3	SB-R4	SB-R5	SB-R6	SB-R7	SB-R7 (DL)	SB-R8	SB-R9	SB-R9 (DL)	SB-R9	SB-R9 (DL)	SB-R10	SB-R11	SB-R12
Depth Interval (ftbgs)				12-14	10-12	12-14	8-10	10-12	14-16	14-16	8-11	10 - 12	10 - 12	15 - 16	15 - 16	12-14	4-6	8-10
PID Reading (ppm)				671.0	101.7	180.7	0.6	12.3	2.3	2.3	0.0	3.4	3.4	7.2	7.2	2.2	2.2	4.4
Date Sampled				3/10/2020	3/10/2020	3/9/2020	2/26/2020	3/5/2020	3/5/2020	3/5/2020	3/4/2020	2/26/2020	2/26/2020	2/26/2020	2/26/2020	3/5/2020	3/9/2020	3/2/2020
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EPA Method 8260C - Volatile Organic Compounds by GC/MS																		
1,1,1-Trichloroethane	100	500	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	26	240	480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	100	500	1,000	ND	ND	ND	ND	ND	.0022 J	ND	ND	ND	ND	.0021 J	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100	500	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	3.1	30	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	49	280	560	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	13	130	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (Methyl ethyl ketone)	100	500	1,000	ND	ND	ND	.0052 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	100	500	1,000	ND	ND	ND	0.039	ND	0.029	ND	0.035	.015 J	ND	.026 J	ND	.0083 J	ND	.015 J
Benzene	4.8	44	89	ND	ND	ND	ND	ND	.0021 J	ND	ND	.0033 J	ND	.0017 J	ND	.0029 J	ND	.0034 J
Bromodichloromethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	2.4	22	44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	100	500	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	49	350	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	13	130	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	100	500	1,000	72	7	13	0.0062	ND	.310 E	0.62	ND	0.0044	ND	0.18	.350 J	.0021 J	.022 J	0.086
cis-1,3-Dichloropropene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	NS	NS	ND	ND	ND	ND	ND	.0043 J	ND	ND	0.0073	ND	.0026 J	ND	0.0044	ND	.0050 J
Dichlorodifluoromethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	41	390	780	ND	ND	ND	ND	ND	.00032 J	ND	ND	.0012 J	ND	ND	ND	.00064 J	ND	.00085 J
1,2-Dibromoethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	NS	NS	NS	ND	ND	ND	ND	.087 J	ND	ND	ND	ND	.067 J	ND	ND	ND	ND	ND
Methyl tert-butyl ether	100	500	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	NS	NS	NS	ND	ND	ND	ND	ND	0.0056	ND	ND	0.011	ND	.0028 J	ND	0.0074	ND	0.007
Methylene chloride	100	500	1,000	ND	ND	ND	ND	ND	.0021 J B	ND	.0059 B	ND	ND	.0040 J	ND	ND	ND	.0028 J B
Styrene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



Soil Analytical Summary
Volatile Organic Compounds

Sample Location	NY Part 375 Residential SCO	NY Part 375 Commercial SCO	NY Part 375 Industrial SCO	SB-R1	SB-R3	SB-R4	SB-R5	SB-R6	SB-R7	SB-R7 (DL)	SB-R8	SB-R9	SB-R9 (DL)	SB-R9	SB-R9 (DL)	SB-R10	SB-R11	SB-R12
Depth Interval (ftbgs)				12-14	10-12	12-14	8-10	10-12	14-16	14-16	8-11	10 - 12	10 - 12	15 - 16	15 - 16	12-14	4-6	8-10
PID Reading (ppm)				671.0	101.7	180.7	0.6	12.3	2.3	2.3	0.0	3.4	3.4	7.2	7.2	2.2	2.2	4.4
Date Sampled				3/10/2020	3/10/2020	3/9/2020	2/26/2020	3/5/2020	3/5/2020	3/5/2020	3/4/2020	2/26/2020	2/26/2020	2/26/2020	2/26/2020	3/5/2020	3/9/2020	3/2/2020
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EPA Method 8260C - Volatile Organic Compounds by GC/MS																		
Tetrachloroethene	19	150	300	ND	.210 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.0032 J
Toluene	100	500	1000	ND	ND	ND	ND	.017 J	.0029 J	0.11	ND	0.0081	ND	.0025 J	ND	0.0053	ND	6.5
trans-1,2-Dichloroethene	100	500	1,000	ND	ND	ND	ND	ND	0.0087	.019 J	ND	ND	ND	.0052 J	ND	ND	ND	.00082 J
trans-1,3-Dichloropropene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	21	200	400	33	20	61	0.027	ND	0.053	0.67	ND	.290 E	0.86	2.9 E	22	0.058	.040 J	1.100 E
Trichlorofluoromethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	.9	13	27	2.3 J	0.940 F1	ND	ND	ND	ND	ND	ND	ND	ND	.0015 J	ND	ND	ND	.0024 J
Xylenes, Total	100	500	1,000	ND	ND	ND	ND	ND	.0014 J	ND	ND	.0077 J	ND	.0012 J	ND	.0044 J	ND	.0050 J
Total 8260C - Volatile Organic Compounds:				107	8.15	74	0.0774	0.104	0.42162	1.419	0.0409	0.348	0.153	2.9676	22.35	0.09344	0.062	1.23147

Residential Exceedence =

Commercial Exceedence =

Industrial Exceedence =

Notes:

Bold - detection

ppm - Parts per million

ftbgs - Feet below ground surface

NY Part 375 [Level] SCO - New York Codes, Rules, and Regulations Part 375 Residential/Commercial/Industrial Soil Cleanup Objective

NS - No standard

DL - Sample diluted to bring concentration of analyte into calibration range

Qualifiers:

B - Compound was found in blank and sample

E - Result exceeded calibration range

F1 - MS and/or MSD recovery exceed control limits

F2 - MS/MSD RPD exceeds control limits

J - Result is less than reporting limit but greater than or equal to method detection limit and is approximate

R - Result for this analyte is unreliable. Additional data needed to confirm or disprove the presence of this compound/analyte in the sample.

T - MS/MSD recovery is outside acceptance limits and/or relative percent difference exceeds control limits

U - Marked undetected

UJ - Not detected in sample. The actual quantitation/detection limit may be higher than reported

* - LCS or LCSD is outside acceptance limit

Table 1



Soil Analytical Summary
Volatile Organic Compounds

Sample Location	NY Part 375 Residential SCO	NY Part 375 Commercial SCO	NY Part 375 Industrial SCO	SB-R12 (DL)	SB-R13	SB-R14	SB-R15	SB-R16	SB-R17	SB-R18	SB-R18 (DL)	SB-R19	SB-R20	SB-R21	SB-R21 (DL)	SB-R22	SB-R23
Depth Interval (ftbgs)				8-10	8-12	8-10	10-12	5-8	4-6	14-16	14-16	5-6	0-4	8-10	8-10	6-8	4-6
PID Reading (ppm)				4.4	5,535	0.1	0.0	0.1	40.5	7.0	7.0	0.3	5.9	9.3	9.3	0.0	0.0
Date Sampled				3/2/2020	3/2/2020	3/4/2020	3/4/2020	2/25/2020	3/3/2020	3/3/2020	3/3/2020	2/25/2020	2/27/2020	3/3/2020	3/3/2020	3/5/2020	2/25/2020
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EPA Method 8260C - Volatile Organic Compounds by GC/MS																	
1,1,1-Trichloroethane	100	500	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	26	240	480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	100	500	1,000	ND	ND	ND	ND	ND	ND	.00047 J	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100	500	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	3.1	30	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	49	280	560	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	13	130	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (Methyl ethyl ketone)	100	500	1,000	ND	ND	ND	.016 J	ND	ND	ND	ND	.0044 J	ND*	.0024 J	ND	ND	ND
2-Hexanone	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	100	500	1,000	ND	ND	.016 J	0.11	0.029	ND	.0093 J	ND	0.025	.011 J	0.028	ND	0.031	.018 J
Benzene	4.8	44	89	ND	ND	.00033 J	.00036 J	ND	ND	ND	ND	.00050 J	ND	.0022 J	ND	ND	.00027 J
Bromodichloromethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	2.4	22	44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	100	500	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND*	ND	ND	ND	ND
Chloroform	49	350	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	.0003 J	ND	ND	ND	ND
Chloromethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	13	130	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	100	500	1,000	0.22	.360 J	ND	ND	ND	2.1	.310 E	4.8	.00098 J	.0011 J	0.08	0.29	ND	.00066 J
cis-1,3-Dichloropropene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	NS	NS	ND	ND	ND	ND	ND	ND	.00033 J	ND	.00070 J	ND	.0039 J	ND	ND	.00061 J
Dichlorodifluoromethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	41	390	780	ND	ND	ND	ND	ND	ND	.00015 J F1	.0021 J	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	100	500	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	.00088 J	ND	0.0055	ND	ND	.00070 J
Methylene chloride	100	500	1,000	ND	.390 J	.0022 J B	ND	ND	ND	.0012 J B	ND	ND	ND	.0021 J B	ND	.0028 J B	ND
Styrene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



Soil Analytical Summary
Volatile Organic Compounds

Sample Location	NY Part 375 Residential SCO	NY Part 375 Commercial SCO	NY Part 375 Industrial SCO	SB-R12 (DL)	SB-R13	SB-R14	SB-R15	SB-R16	SB-R17	SB-R18	SB-R18 (DL)	SB-R19	SB-R20	SB-R21	SB-R21 (DL)	SB-R22	SB-R23
Depth Interval (ftbgs)				8-10	8-12	8-10	10-12	5-8	4-6	14-16	14-16	5-6	0-4	8-10	8-10	6-8	4-6
PID Reading (ppm)				4.4	5,535	0.1	0.0	0.1	40.5	7.0	7.0	0.3	5.9	9.3	9.3	0.0	0.0
Date Sampled				3/2/2020	3/2/2020	3/4/2020	3/4/2020	2/25/2020	3/3/2020	3/3/2020	3/3/2020	2/25/2020	2/27/2020	3/3/2020	3/3/2020	3/5/2020	2/25/2020
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EPA Method 8260C - Volatile Organic Compounds by GC/MS																	
Tetrachloroethene	19	150	300	.015 J	.280 J	ND	ND	ND	ND	ND	.015 J	ND	1.1	.0017 J	ND	ND	ND
Toluene	100	500	1000	ND	ND	ND	.00070 J	ND	ND	.00043 J F1	.014 J	.00099 J	ND	.0032 J	ND	ND	.00031 J
trans-1,2-Dichloroethene	100	500	1,000	ND	ND	ND	ND	ND	ND	0.0038	.051 J	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	21	200	400	3	45	ND	ND	0.025	14	.016 F1 F2	.680 F1	.0031 J	0.6 E	1.2 E	4.7	ND	ND
Trichlorofluoromethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	.9	13	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	100	500	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.0013 J	ND	ND	ND
Total 8260C - Volatile Organic Compounds:				3.235	46.03	0.01853	0.12706	0.054	16.1	0.34168	5.5621	0.03655	1.7124	1.3303	4.99	0.0338	0.02055

Residential Exceedence = 
Commercial Exceedence = 
Industrial Exceedence = 

Notes:
Bold - detection
ppm - Parts per million
ftbgs - Feet below ground surface
NY Part 375 [Level] SCO - New York Codes, Rules, and Regulations Part 375 Residential/Commercial/Industrial Soil Cleanup Objective
NS - No standard
DL - Sample diluted to bring concentration of analyte into calibration range
Qualifiers:
B - Compound was found in blank and sample
E - Result exceeded calibration range
F1 - MS and/or MSD recovery exceed control limits
F2 - MS/MSD RPD exceeds control limits
J - Result is less than reporting limit but greater than or equal to method detection limit and is approximate
R - Result for this analyte is unreliable. Additional data needed to confirm or disprove the presence of this compound/analyte in the sample.
T - MS/MSD recovery is outside acceptance limits and/or relative percent difference exceeds control limits
U - Marked undetected
UJ - Not detected in sample. The actual quantitation/detection limit may be higher than reported
* - LCS or LCSD is outside acceptance limit

Table 1



Soil Analytical Summary
Volatile Organic Compounds

Sample Location	NY Part 375 Residential SCO	NY Part 375 Commercial SCO	NY Part 375 Industrial SCO	SB-R24	SB-R25	SB-R26	SB-R27	SB-R28	SB-R29	SB-R30	SB-R31	SB-R32	SB-R33	SB-R34	SB-R35	SB-R36	SB-R37	SB-R38	
Depth Interval (ftbgs)				6-8	10-12	4-5	5-8	6-8	6-8	12-15	2-4	0-4	10-12	1-4	4-6	10-12	10-12	12-14	
PID Reading (ppm)				0.0	0.3	0.0	0.0	0.4	0.0	0.0	0.0	0.0	4.8	0.0	0.1	0.2	0.0	0.3	0.0
Date Sampled				2/28/2020	2/28/2020	2/27/2020	3/5/2020	2/28/2020	2/27/2020	3/4/2020	2/25/2020	2/28/2020	3/2/2020	2/25/2020	3/2/2020	3/4/2020	3/11/2020	3/11/2020	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
EPA Method 8260C - Volatile Organic Compounds by GC/MS																			
1,1,1-Trichloroethane	100	500	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethane	26	240	480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethene	100	500	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	100	500	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichloroethane	3.1	30	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichloropropane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	49	280	560	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	13	130	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Butanone (Methyl ethyl ketone)	100	500	1,000	ND	.0049 J*	ND*	ND	.0019 J*	ND*	.0029 J	.0061 J	ND	ND	ND	.0043 J	ND	ND	ND	
2-Hexanone	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-Methyl-2-pentanone	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acetone	100	500	1,000	ND	0.025	.011 J	.026 J	ND	0.011 J	0.026	0.03	ND	.019 J	.018 J	0.025	.013 J	ND	ND	
Benzene	4.8	44	89	ND	.0048 J	ND	ND	0.0047	0.0031 J	.0017 J	.00023 J	ND	.0027 J	ND	.0013 J	.00029 J	ND	ND	
Bromodichloromethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromoform	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromomethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Carbon Disulfide	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Carbon tetrachloride	2.4	22	44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chlorobenzene	100	500	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibromochloromethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloroethane	NS	NS	NS	ND	ND	ND*	ND	ND	ND*	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloroform	49	350	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloromethane	NS	NS	NS	ND	.0023 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,4-Dioxane	13	130	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethene	100	500	1,000	ND	ND	.013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.040 J	1.1	
cis-1,3-Dichloropropene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Cyclohexane	NS	NS	NS	ND	0.011	ND	ND	0.0099	0.0071	.0023 J	ND	ND	ND	ND	.0030 J	ND	ND	ND	
Dichlorodifluoromethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Ethylbenzene	41	390	780	ND	.001 J	ND	ND	.0016 J	.00065 J	.00038 J	ND	ND	.0011 J	ND	.00034 J	ND	ND	ND	
1,2-Dibromoethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Isopropylbenzene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methyl acetate	NS	NS	NS	ND	.0041 J	ND	ND	ND	ND	ND	ND	.160 J	ND	ND	ND	ND	ND	ND	
Methyl tert-butyl ether	100	500	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methylcyclohexane	NS	NS	NS	ND	0.014	ND	ND	0.014	0.0096	.0030 J	ND	ND	0.0058	ND	.0041 J	ND	ND	ND	
Methylene chloride	100	500	1,000	ND	ND	ND	.0071 J B	ND	ND	ND	ND	ND	.0035 J B	ND	.0025 J B	.0032 J B	ND	ND	
Styrene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

Table 1



Soil Analytical Summary
Volatile Organic Compounds

Sample Location	NY Part 375 Residential SCO	NY Part 375 Commercial SCO	NY Part 375 Industrial SCO	SB-R24	SB-R25	SB-R26	SB-R27	SB-R28	SB-R29	SB-R30	SB-R31	SB-R32	SB-R33	SB-R34	SB-R35	SB-R36	SB-R37	SB-R38
Depth Interval (ftbgs)				6-8	10-12	4-5	5-8	6-8	6-8	12-15	2-4	0-4	10-12	1-4	4-6	10-12	10-12	12-14
PID Reading (ppm)				0.0	0.3	0.0	0.0	0.4	0.0	0.0	0.0	4.8	0.0	0.1	0.2	0.0	0.3	0.0
Date Sampled				2/28/2020	2/28/2020	2/27/2020	3/5/2020	2/28/2020	2/27/2020	3/4/2020	2/25/2020	2/28/2020	3/2/2020	2/25/2020	3/2/2020	3/4/2020	3/11/2020	3/11/2020
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EPA Method 8260C - Volatile Organic Compounds by GC/MS																		
Tetrachloroethene	19	150	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	100	500	1000	ND	0.0086	ND	ND	0.011	0.0052	.0031 J	ND	ND	0.0066	ND	.0026 J	ND	ND	.018 J
trans-1,2-Dichloroethene	100	500	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	21	200	400	36	.0014 J	ND	ND	ND	ND	ND	ND	0.075	ND	ND	ND	ND	0.067	1.3
Trichlorofluoromethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	.9	13	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.51
Xylenes, Total	100	500	1,000	ND	.0043 J	ND	ND	0.01	0.004 J	.0025 J	ND	ND	.0074 J	ND	.0017 J	ND	ND	ND
Total 8260C - Volatile Organic Compounds:				36	0.0814	0.024	0.0331	0.0531	0.105	0.04188	0.03633	0.235	0.0403	0.018	0.04484	0.01649	0.107	2.928

Residential Exceedence =

Commercial Exceedence =

Industrial Exceedence =

Notes:

Bold - detection

ppm - Parts per million

ftbgs - Feet below ground surface

NY Part 375 [Level] SCO - New York Codes, Rules, and Regulations Part 375 Residential/Commercial/Industrial Soil Cleanup Objective

NS - No standard

DL - Sample diluted to bring concentration of analyte into calibration range

Qualifiers:

B - Compound was found in blank and sample

E - Result exceeded calibration range

F1 - MS and/or MSD recovery exceed control limits

F2 - MS/MSD RPD exceeds control limits

J - Result is less than reporting limit but greater than or equal to method detection limit and is approximate

R - Result for this analyte is unreliable. Additional data needed to confirm or disprove the presence of this compound/analyte in the sample.

T - MS/MSD recovery is outside acceptance limits and/or relative percent difference exceeds control limits

U - Marked undetected

UJ - Not detected in sample. The actual quantitation/detection limit may be higher than reported

* - LCS or LCSD is outside acceptance limit

Table 1



Soil Analytical Summary
Volatile Organic Compounds

SB-R17 SB-R7 SB-R3

Sample Location	NY Part 375 Residential SCO	NY Part 375 Commercial SCO	NY Part 375 Industrial SCO	SB-R39	SB-R40	SB-R41	SB-R42	SB-R43	SB-R44	SB-R101	SB-R101 (DL)	SB-17	SSB-5	DUP-01	DUP-02	DUP-03
Depth Interval (ftbgs)				12-14	10-12	14-16	18-20	12-14	4-6	8-10	8-10	18-20	10-12	NA	NA	NA
PID Reading (ppm)				0.4	0.7	0.7	0.0	0.2	0.3	15,000	15,000	34.4	44.2	NA	NA	NA
Date Sampled				2/24/2020	3/11/2020	3/11/2020	3/11/2020	3/11/2020	2/26/2020	3/10/2020	3/10/2020	3/5/2020	2/28/2020	3/3/2020	3/5/2020	3/10/2020
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EPA Method 8260C - Volatile Organic Compounds by GC/MS																
1,1,1-Trichloroethane	100	500	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	26	240	480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	100	500	1,000	ND	ND	ND	ND	ND	ND	2.4 J	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100	500	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	3.1	30	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	49	280	560	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	13	130	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (Methyl ethyl ketone)	100	500	1,000	.0040 J	ND	ND	ND	ND	ND	ND	ND	ND	ND*	ND	ND	ND
2-Hexanone	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	100	500	1,000	.011 J	ND	ND	ND	ND	.013 J	ND	ND	ND	.011 J	ND	ND	ND
Benzene	4.8	44	89	.0026 J	ND	ND	ND	ND	.0035 J	ND	ND	ND	.0016 J	ND	ND	ND
Bromodichloromethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	2.4	22	44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	100	500	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND*	ND	ND	ND
Chloroform	49	350	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	13	130	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	100	500	1,000	ND	0.21	.052 J	5	0.15	ND	460	610	0.18	0.023	.210 J	0.78	0.63
cis-1,3-Dichloropropene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	NS	NS	0.0043	ND	ND	ND	ND	0.0081	ND	ND	ND	.0022 J	ND	ND	ND
Dichlorodifluoromethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	41	390	780	.00075 J	ND	ND	ND	ND	.0013 J	ND	ND	ND	0.00029 J	ND	ND	ND
1,2-Dibromoethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	100	500	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	NS	NS	NS	0.0058	ND	ND	ND	ND	0.011	ND	ND	ND	.003 J	ND	ND	ND
Methylene chloride	100	500	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

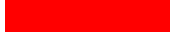
Table 1



Soil Analytical Summary
Volatile Organic Compounds

SB-R17 SB-R7 SB-R3

Sample Location	NY Part 375 Residential SCO	NY Part 375 Commercial SCO	NY Part 375 Industrial SCO	SB-R39	SB-R40	SB-R41	SB-R42	SB-R43	SB-R44	SB-R101	SB-R101 (DL)	SB-17	SSB-5	DUP-01	DUP-02	DUP-03
Depth Interval (ftbgs)				12-14	10-12	14-16	18-20	12-14	4-6	8-10	8-10	18-20	10-12	NA	NA	NA
PID Reading (ppm)				0.4	0.7	0.7	0.0	0.2	0.3	15,000	15,000	34.4	44.2	NA	NA	NA
Date Sampled				2/24/2020	3/11/2020	3/11/2020	3/11/2020	3/11/2020	2/26/2020	3/10/2020	3/10/2020	3/5/2020	2/28/2020	3/3/2020	3/5/2020	3/10/2020
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EPA Method 8260C - Volatile Organic Compounds by GC/MS																
Tetrachloroethene	19	150	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	.0015 J	ND	ND	ND
Toluene	100	500	1000	0.0054	.024 J	ND	ND	.015 J	0.0083	ND	ND	ND	.0023 J	ND	ND	ND
trans-1,2-Dichloroethene	100	500	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.019 J	ND
trans-1,3-Dichloropropene	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	21	200	400	ND	0.26	0.064	6.4	0.17	.00099 J	1,400 E	1900	9.7	2.6 E	13	2.1	3.6
Trichlorofluoromethane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	.9	13	27	ND	0.086	ND	0.77	0.079	ND	16	20 J	ND	ND	ND	ND	0.29
Xylenes, Total	100	500	1,000	.0053 J	ND	ND	ND	ND	.0075 J	ND	ND	ND	.001 J	ND	ND	ND
Total 8260C - Volatile Organic Compounds:				0.03915	0.58	0.116	12.17	0.414	0.05369	1878.4	2530	9.88	2.6456	13.21	2.899	4.52

Residential Exceedence = 
Commercial Exceedence = 
Industrial Exceedence = 

Notes:
Bold - detection
ppm - Parts per million
ftbgs - Feet below ground surface
NY Part 375 [Level] SCO - New York Codes, Rules, and Regulations Part 375 Residential/Commercial/Industrial Soil Cleanup Objective
NS - No standard
DL - Sample diluted to bring concentration of analyte into calibration range
Qualifiers:
B - Compound was found in blank and sample
E - Result exceeded calibration range
F1 - MS and/or MSD recovery exceed control limits
F2 - MS/MSD RPD exceeds control limits
J - Result is less than reporting limit but greater than or equal to method detection limit and is approximate
R - Result for this analyte is unreliable. Additional data needed to confirm or disprove the presence of this compound/analyte in the sample.
T - MS/MSD recovery is outside acceptance limits and/or relative percent difference exceeds control limits
U - Marked undetected
UJ - Not detected in sample. The actual quantitation/detection limit may be higher than reported
* - LCS or LCSD is outside acceptance limit

NYSDEC Site #: 907016
 Keywell LLC
 600 Falconer Street, Frewsburg, NY

Table 2



**Soil Analytical Summary
 Polychlorinated Biphenyls**

SB-R7

Sample Location	NY Part 375 Residential SCO	NY Part 375 Commercial SCO	NY Part 375 Industrial SCO	SSB-5 10-12 44.2 2/28/2020 mg/kg	SB-R3 10-12 101.7 3/10/2020 mg/kg	SB-R7 14-16 2.3 3/5/2020 mg/kg	SB-R10 12-14 2.2 3/5/2020 mg/kg	SB-R11 4-6 2.2 3/9/2020 mg/kg	SB-R101 8-10 15000 3/10/2020 mg/kg	DUP-02 NA NA 3/5/2020 mg/kg
Depth Interval (ft bgs)										
PID Reading (ppm)										
Date Sampled										
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EPA Method 8082A - Polychlorinated Biphenyls (PCBs)										
Aroclor 1260	1	1	25	ND	ND	ND	0.15	ND	ND	ND
Aroclor 1254	1	1	25	ND	ND	ND	ND	ND	1.8	ND
Aroclor 1268	1	1	25	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	1	1	25	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	1	1	25	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	1	1	25	ND	ND	ND	ND	ND	ND	ND
Aroclor 1016	1	1	25	ND	ND	ND	ND	ND	ND	ND
Aroclor-1262	1	1	25	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	1	1	25	ND	ND	ND	ND	ND	ND	ND
Total Polychlorinated Biphenyls				<1	<1	<1	0.15	<1	1.8	<1

Residential and Commercial Exceedance =

Notes:

Bold - detection

ppm - Parts per million

ft bgs - Feet below ground surface

SCO - Soil Cleanup Objectives

6 CRR-NY 375-6.8(b) - New York Codes, Rules, & Regulations Part 375-6.8 Table B

NY Part 375 Residential SCO - 6 CRR-NY 375-6.8(b) Residential SCO

NY Part 375 Commercial SCO - 6 CRR-NY 375-6.8(b) Commercial SCO

NY Part 375 Industrial SCO - 6 CRR-NY 375-6.8(b) Industrial SCO

mg/kg - milligram per kilogram

ND - Non detect, below reporting limit

PCB - Polychlorinated Biphenyl

NYSDEC Site #: 907016
 Keywell LLC
 600 Falconer Road, Frewsburg, NY

Table 3



Soil Analytical Summary
Total Petroleum Hydrocarbons

SB-R7

Sample Location	SSB-5	SB-R3	SB-R7	SB-R10	SB-R11	SB-R101	DUP-02
Depth Interval (ft bgs)	10-12	10-12	14-16	12-14	4-6	8-10	NA
PID Reading (ppm)	44.2	101.7	2.3	2.2	2.2	15000	NA
Date Sampled	2/28/2020	3/10/2020	3/5/2020	3/5/2020	3/9/2020	3/10/2020	3/5/2020
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EPA Method TPH 301.13 - Identification of Routine Petroleum Products							
Gasoline	ND	ND	ND	ND	ND	ND	ND
Kerosene	ND	ND	ND	ND	ND	ND	ND
Fuel Oil #2	1.3	25	20	ND	ND	6200	11
Fuel Oil #4	ND	ND	ND	ND	ND	ND	ND
Fuel Oil #6	ND	ND	ND	ND	ND	ND	ND
Motor Oils	ND	73	ND	310	1600	20000	ND
Unknown Hydrocarbons	ND	ND	ND	ND	ND	ND	ND
Total Routine Petroleum Hydrocarbons	1.3	98	20	310	1,600	26,200	11

Notes:

Bold - detection

ft bgs - Feet below ground surface

mg/kg - milligram per kilogram

ND - Non detect

NS - No standard

ppm - Parts per million

TPH - Total Petroleum Hydrocarbons



Appendix A – Soil Boring Logs



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SSB-1**

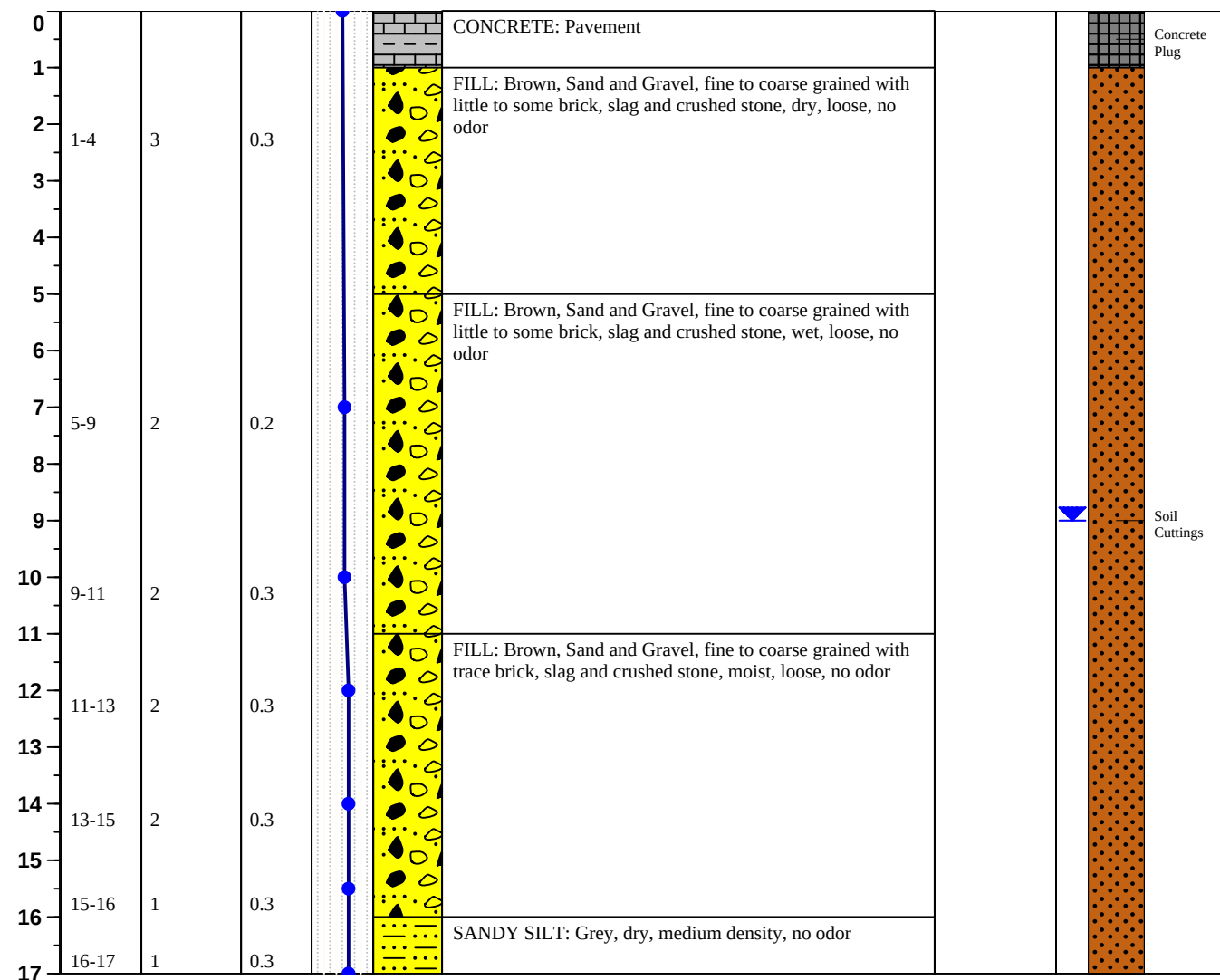
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/27/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/27/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **9 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/27/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 1			



Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 No Sample Collected

Blow Count Penetration Resistance:

Consistency (M&C) Density (G&S)
 <2 = Very Soft 0-4 = Very Loose
 2-4 = Soft 4-10 = Loose
 4-8 = Medium 10-30 = Medium
 8-15 = Stiff 30-50 = Dense
 15-30 = Very Stiff 50+ = Very Dense
 >30 = Hard

Symbols:

Apparent Water Level



Lab Sample Location



SSB-1

p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SSB-2**

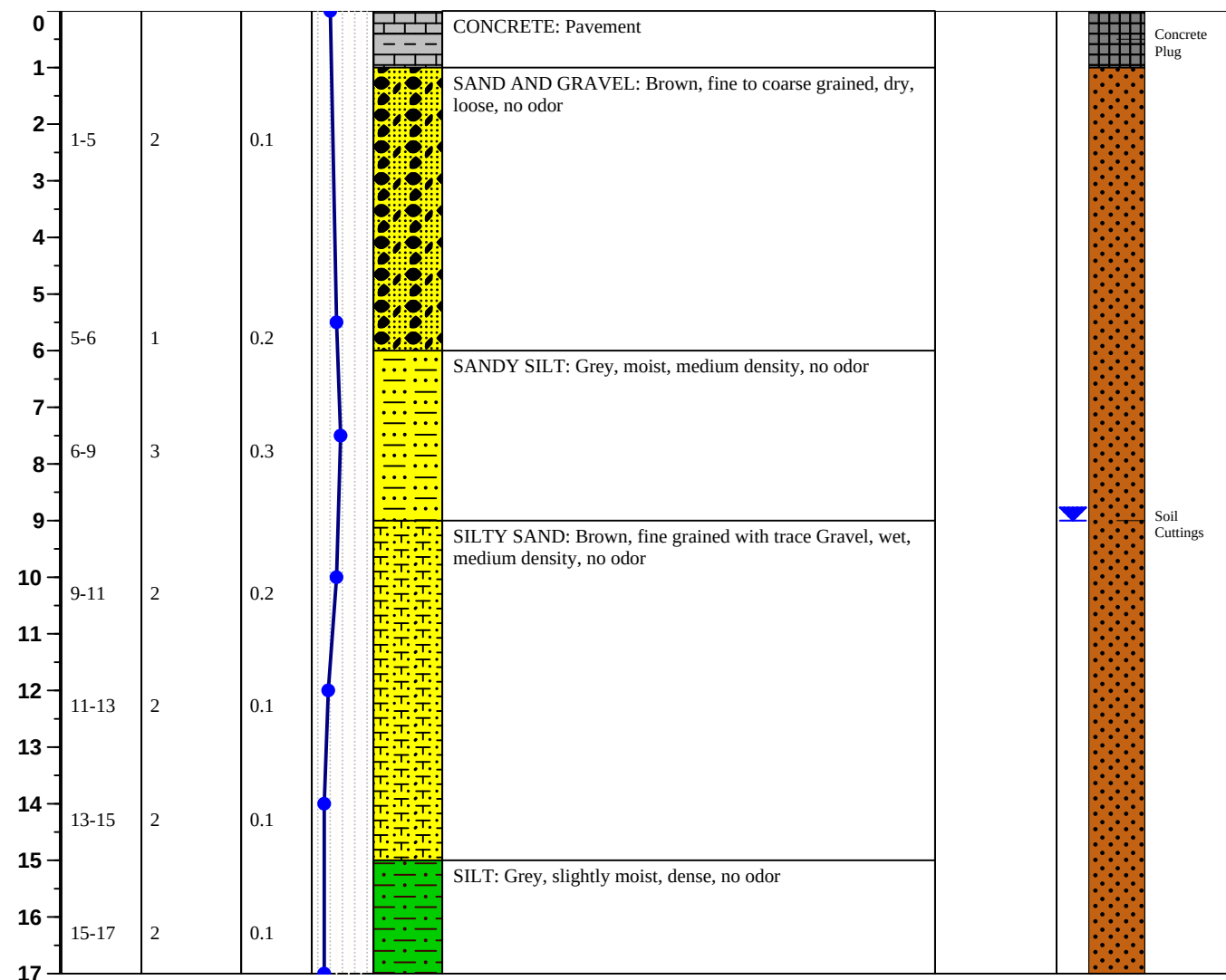
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/27/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/27/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **9 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/27/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 1			



Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 No Sample Collected

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level



Lab Sample Location



SSB-2

p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SSB-3**

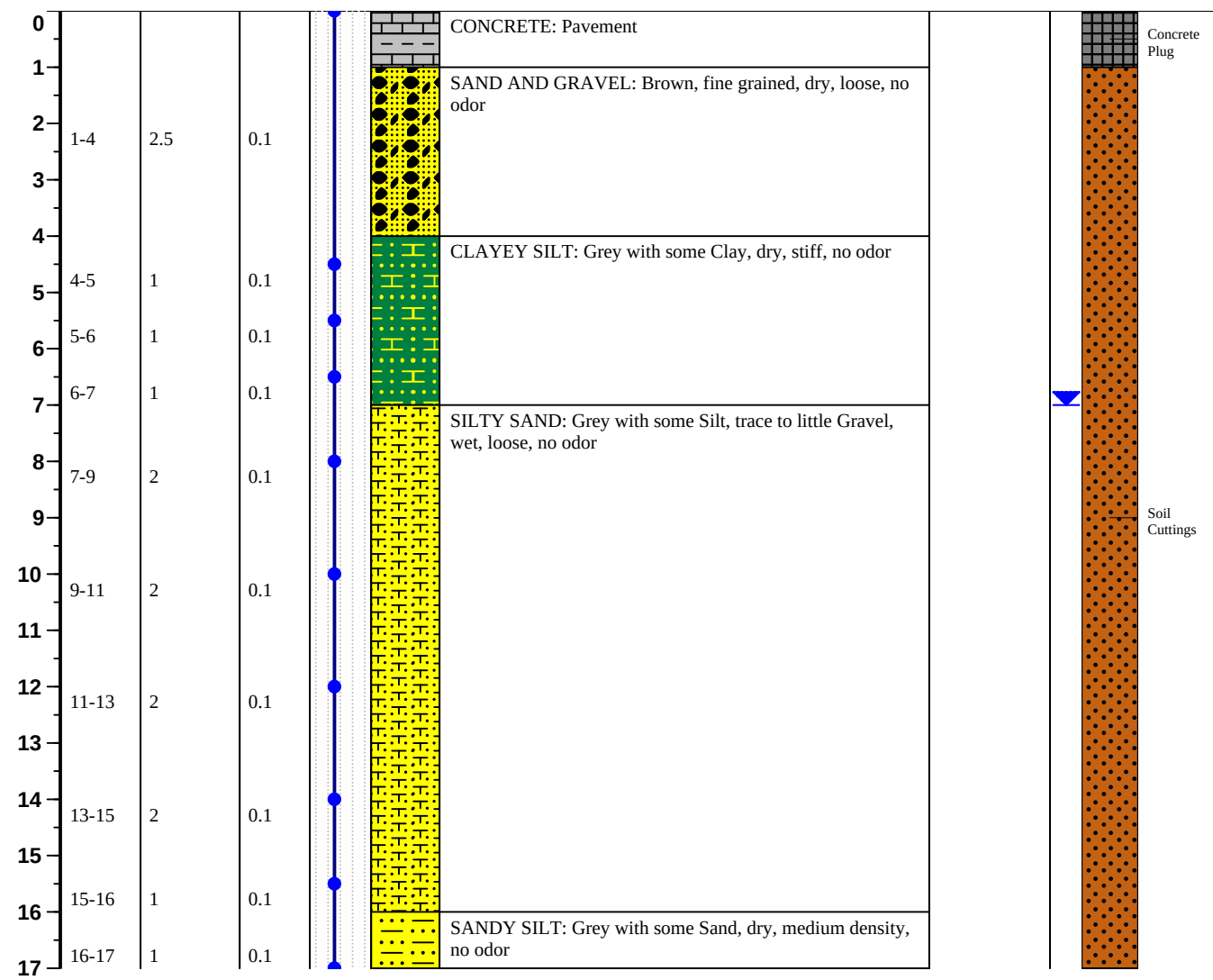
Page 1 of 2

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/27/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/27/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **8 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/27/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
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Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. No Sample Collected	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S)		Symbols: Apparent Water Level Lab Sample Location
		<2 = Very Soft 2-4 = Soft 4-8 = Medium 8-15 = Stiff 15-30 = Very Stiff >30 = Hard	0-4 = Very Loose 4-10 = Loose 10-30 = Medium 30-50 = Dense 50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SSB-4**

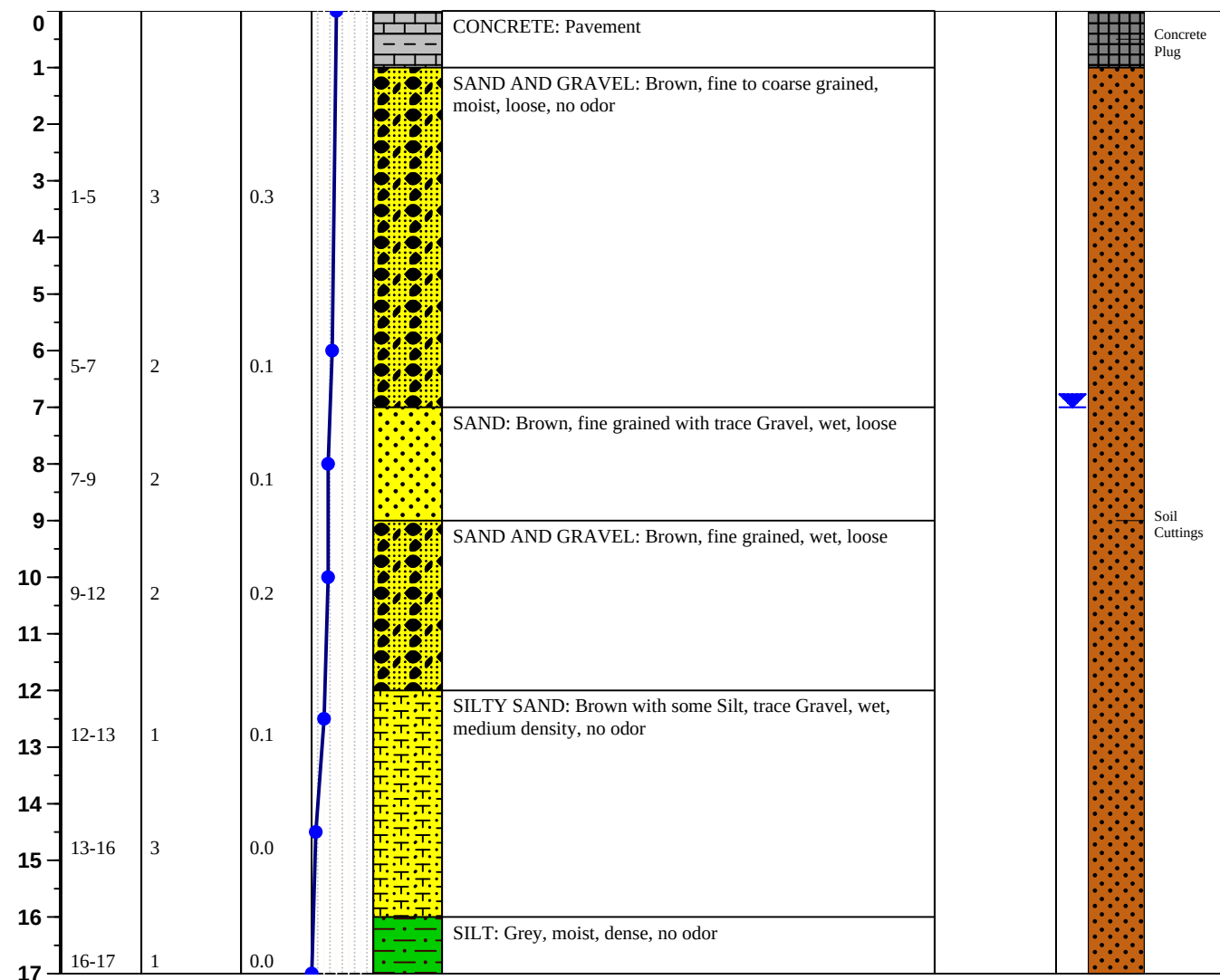
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/27/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/27/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **7 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/27/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 1			



Proportions Used:	Notes:	Blow Count Penetration Resistance:	Symbols:
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C)	Apparent Water Level
Little = 10-20%	in. = inches; ft. = feet; ppm. = parts per million	Density (G&S)	Lab Sample Location
Some = 20-35%	Soil Lithologies based on field observations only.	<2 = Very Soft	
And = 35-50%	No Sample Collected	2-4 = Soft	
		4-8 = Medium	
		8-15 = Stiff	
		15-30 = Very Stiff	
		>30 = Hard	
		0-4 = Very Loose	
		4-10 = Loose	
		10-30 = Medium	
		30-50 = Dense	
		50+ = Very Dense	
			SSB-4 p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SSB-5**

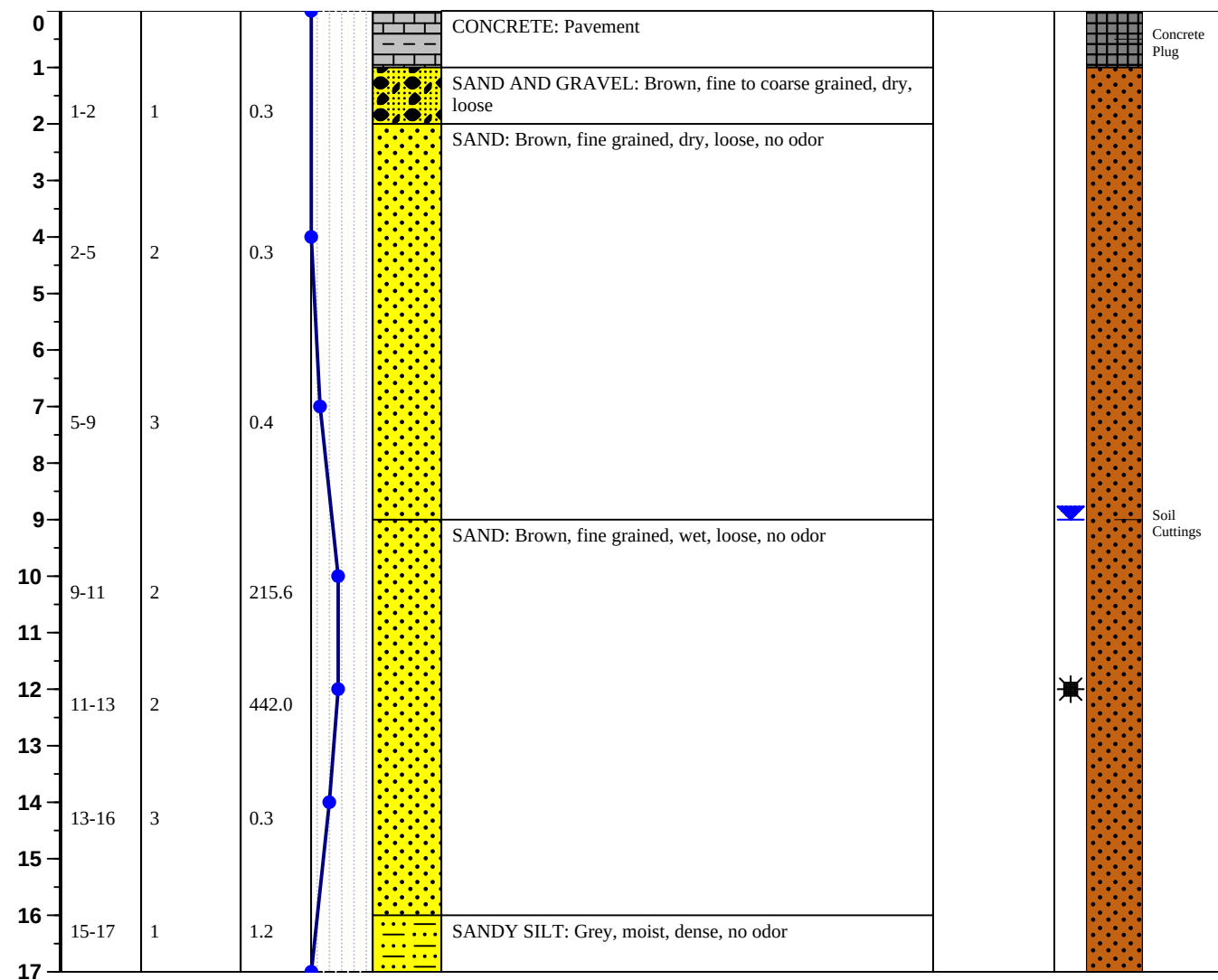
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/28/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/28/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **9 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/28/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
-----------------	------------------------------	-----------------------	-----------------------	----------------------	----------	-----------------------



Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. Sample Collected from 11-13 fbgs	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S)		Symbols: Apparent Water Level Lab Sample Location
		<2 = Very Soft 2-4 = Soft 4-8 = Medium 8-15 = Stiff 15-30 = Very Stiff >30 = Hard	0-4 = Very Loose 4-10 = Loose 10-30 = Medium 30-50 = Dense 50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SSB-6**

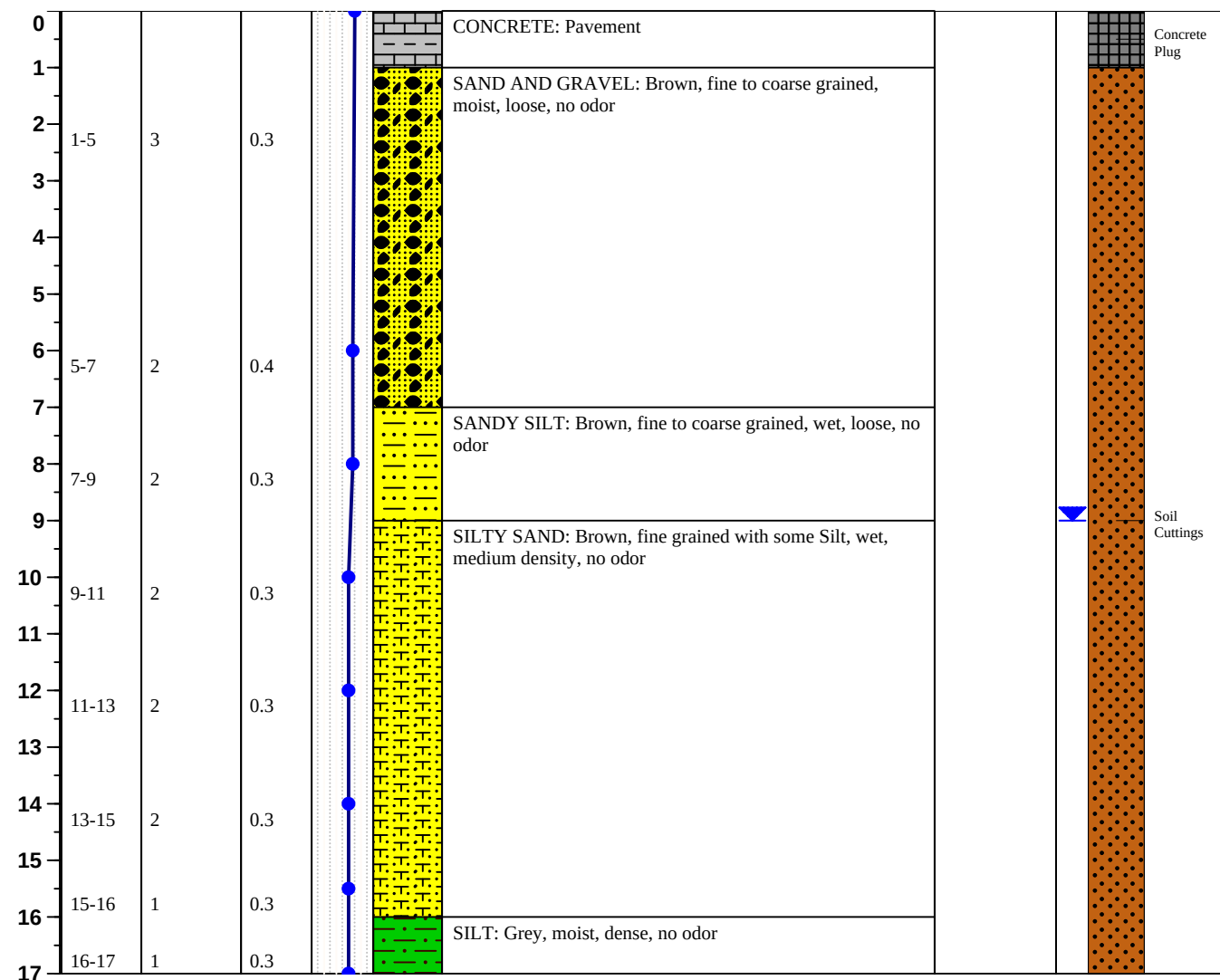
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/28/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/28/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **9 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/28/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 1			



Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. No Sample Collected	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S)		Symbols: Apparent Water Level Lab Sample Location
		<2 = Very Soft 2-4 = Soft 4-8 = Medium 8-15 = Stiff 15-30 = Very Stiff >30 = Hard	0-4 = Very Loose 4-10 = Loose 10-30 = Medium 30-50 = Dense 50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SSB-7**

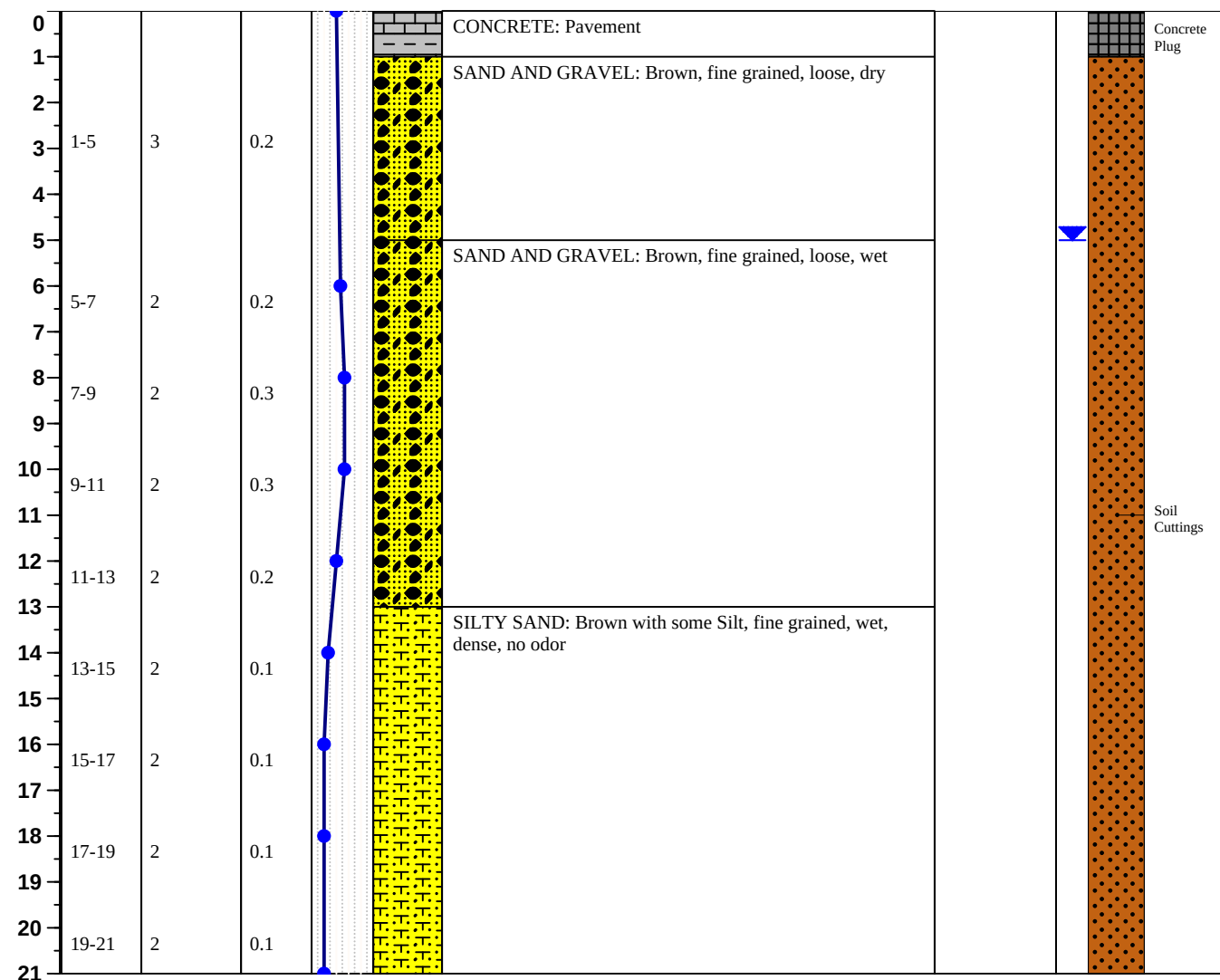
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/2/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/2/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **21.00 fbgs** Depth to Water: **5 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/2/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 1			



Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. No Sample Collected	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S)		Symbols: Apparent Water Level Lab Sample Location
		<2 = Very Soft 2-4 = Soft 4-8 = Medium 8-15 = Stiff 15-30 = Very Stiff >30 = Hard	0-4 = Very Loose 4-10 = Loose 10-30 = Medium 30-50 = Dense 50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SSB-8**

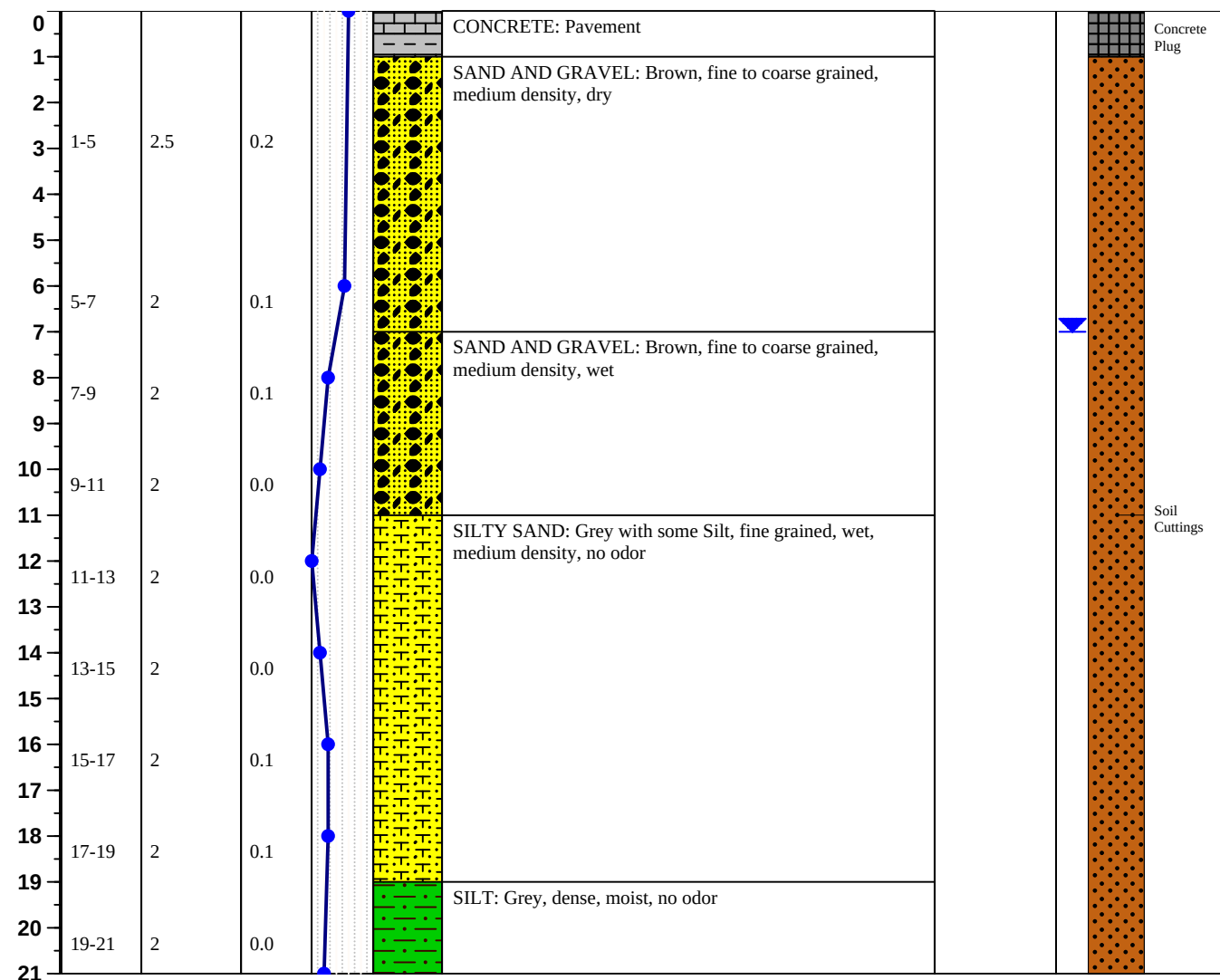
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/2/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/2/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **21.00 fbgs** Depth to Water: **7 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/2/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 0			



Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. No Sample Collected	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S)		Symbols: Apparent Water Level Lab Sample Location
		<2 = Very Soft 2-4 = Soft 4-8 = Medium 8-15 = Stiff 15-30 = Very Stiff >30 = Hard	0-4 = Very Loose 4-10 = Loose 10-30 = Medium 30-50 = Dense 50+ = Very Dense	

SSB-8

p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SSB-9**

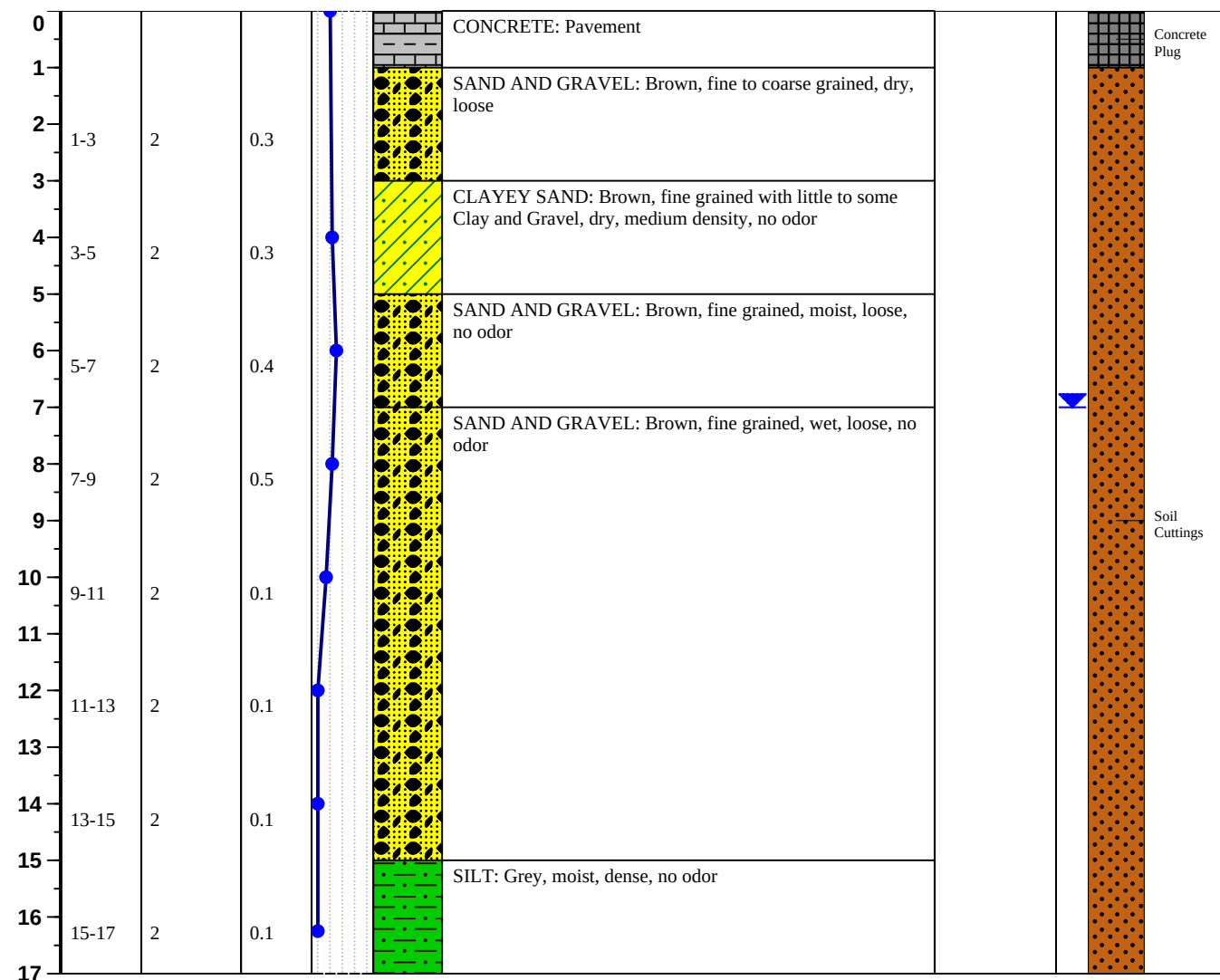
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/2/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/2/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **7 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/2/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 1			



Proportions Used:	Notes:	Blow Count Penetration Resistance:	Symbols:
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C)	Apparent Water Level
Little = 10-20%	in. = inches; ft. = feet; ppm. = parts per million	Density (G&S)	Lab Sample Location
Some = 20-35%	Soil Lithologies based on field observations only.	<2 = Very Soft	
And = 35-50%	No Sample Collected	2-4 = Soft	
		4-8 = Medium	
		8-15 = Stiff	
		15-30 = Very Stiff	
		>30 = Hard	
		0-4 = Very Loose	
		4-10 = Loose	
		10-30 = Medium	
		30-50 = Dense	
		50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-4**

Page 1 of 1

Project: **NYSDEC Frewsburg**

Client: **NYSDEC**

Regulatory Case #: **907016**

Address: **300 Falconer Street**

GES Job #: **0901685**

NYSDEC PM: **Maurice Moore**

County: **Chautauqua County**

GES Project Mgr: **Thomas Palmer**

Permit #: **NA**

Logged By: **Peter Zaffram**

Date Drilled: **3/10/20**

Split Spoon/Acetate Sleeve Dia: **2.5 in**

Drilling Company: **Trec Environmental**

Completion Date: **3/10/20**

Split Spoon/Acetate Sleeve Length: **4 feet**

Drill Operator: **Chris Stockmaster**

Drilling Method: **Direct Push**

Soil Classification System: **Modified Burmister**

Drill Rig Type: **Geoprobe 6620 DT**

Sampling Method: **Macrocore**

Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in**

Surface Elevation:

Abandonment Method: **Soil Cuttings**

Total Depth: **16.25 fbgs**

Depth to Water: **10 fbgs**

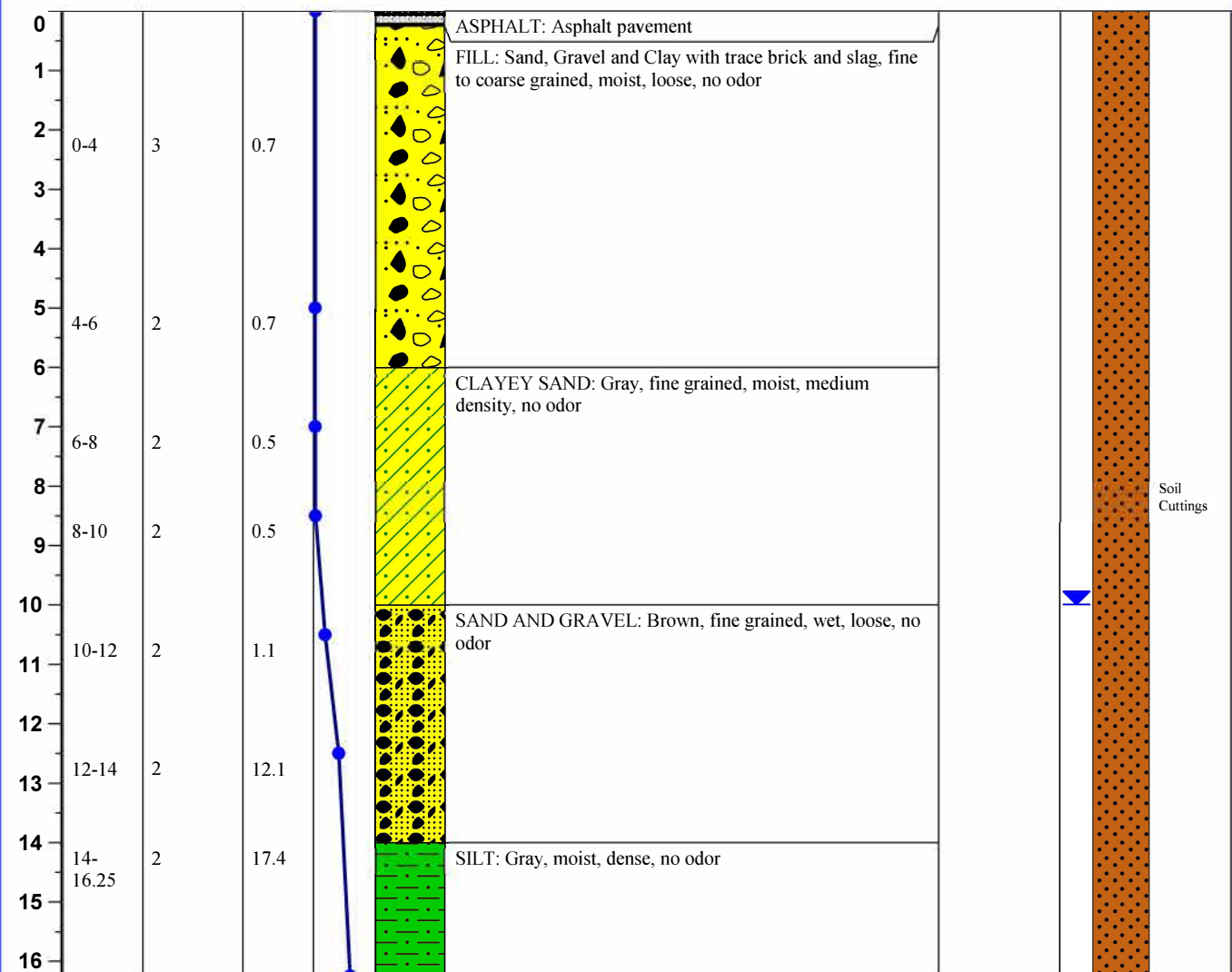
Backfill Material: **Soil Cuttings**

Refusal Depth: **NA**

Well Diameter: **NA**

Abandonment Completion Date: **3/10/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
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Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. No Sample Collected	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S) <2 = Very Soft 0-4 = Very Loose 2-4 = Soft 4-10 = Loose 4-8 = Medium 10-30 = Medium 8-15 = Stiff 30-50 = Dense 15-30 = Very Stiff 50+ = Very Dense >30 = Hard		Symbols: Apparent Water Level
				Lab Sample Location SB-4 p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-5**

Page 1 of 1

Project: **NYSDEC Frewsburg**

Client: **NYSDEC**

Regulatory Case #: **907016**

Address: **300 Falconer Street**

GES Job #: **0901685**

NYSDEC PM: **Maurice Moore**

County: **Chautauqua County**

GES Project Mgr: **Thomas Palmer**

Permit #: **NA**

Logged By: **Peter Zaffram**

Date Drilled: **3/10/20**

Split Spoon/Acetate Sleeve Dia: **2.5 in**

Drilling Company: **Trec Environmental**

Completion Date: **3/10/20**

Split Spoon/Acetate Sleeve Length: **4 feet**

Drill Operator: **Chris Stockmaster**

Drilling Method: **Direct Push**

Soil Classification System: **Modified Burmister**

Drill Rig Type: **Geoprobe 6620 DT**

Sampling Method: **Macrocore**

Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in**

Surface Elevation:

Abandonment Method: **Soil Cuttings**

Total Depth: **20.25 fbgs**

Depth to Water: **12 fbgs**

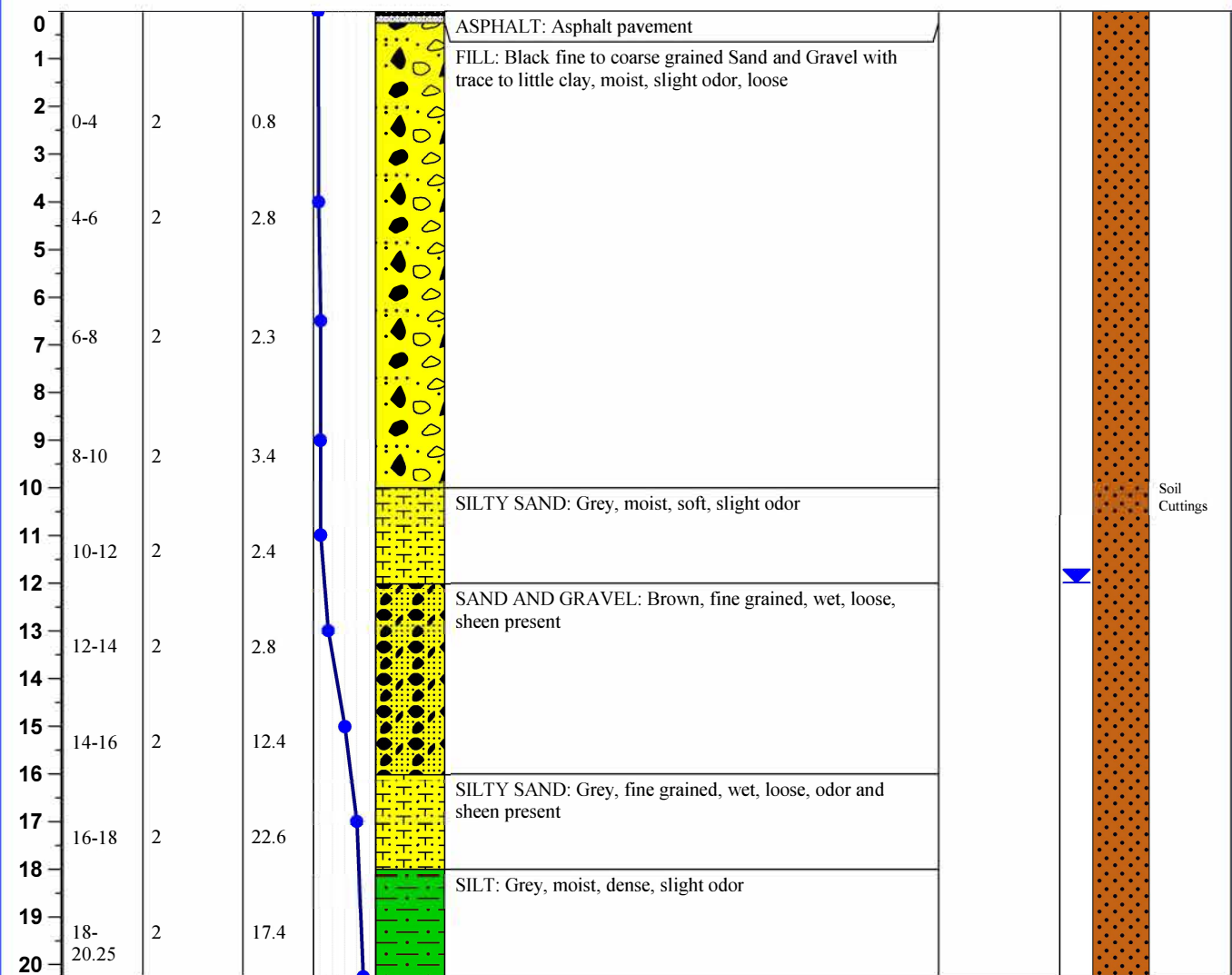
Backfill Material: **Soil Cuttings**

Refusal Depth: **NA**

Well Diameter: **NA**

Abandonment Completion Date: **3/10/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
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Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. No Sample Collected	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S) <2 = Very Soft 0-4 = Very Loose 2-4 = Soft 4-10 = Loose 4-8 = Medium 10-30 = Medium 8-15 = Stiff 30-50 = Dense 15-30 = Very Stiff 50+ = Very Dense >30 = Hard		Symbols: Apparent Water Level
				Lab Sample Location



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-8**

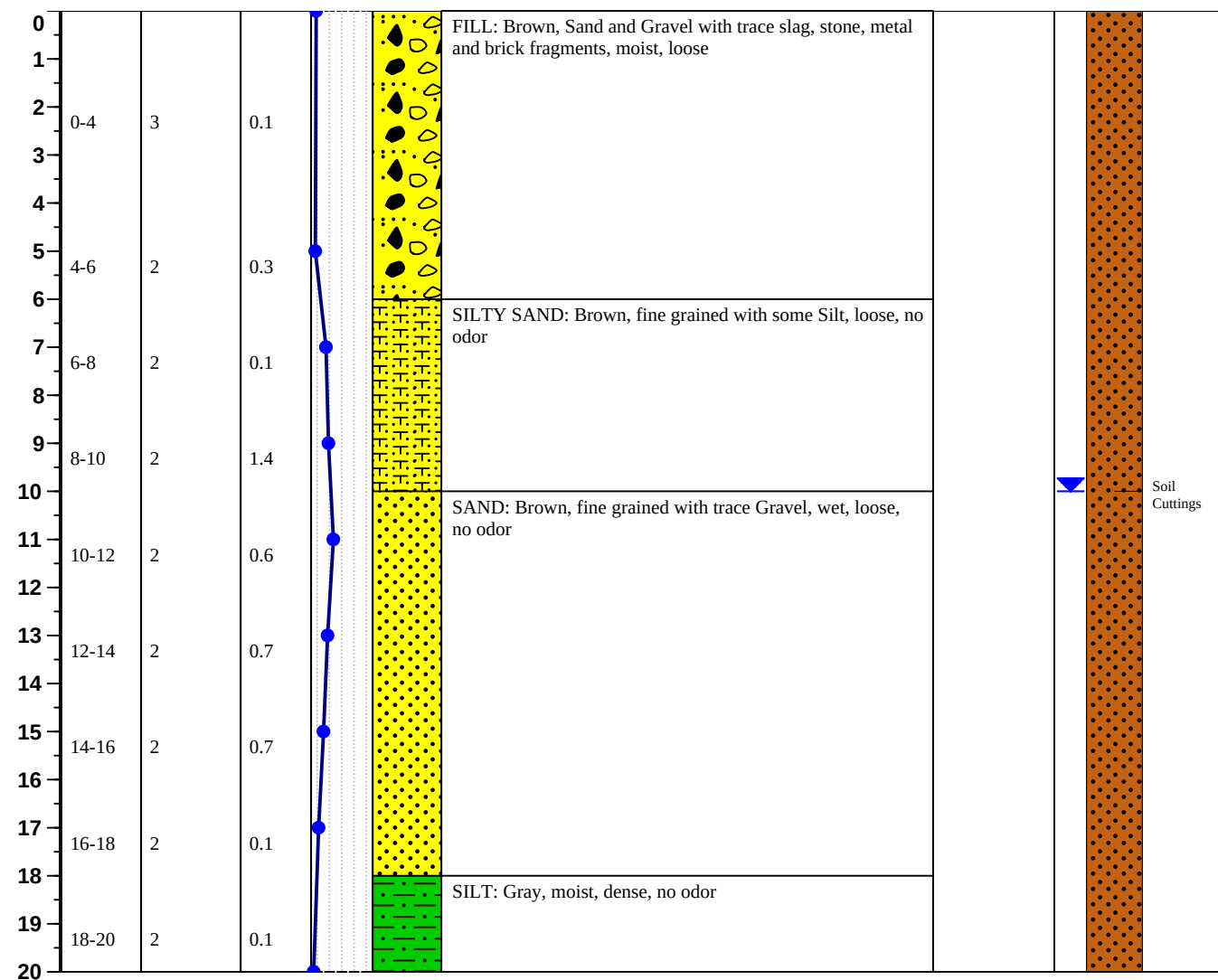
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/10/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/10/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **20.00 fbgs** Depth to Water: **10 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/10/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 3			



Proportions Used:	Notes:	Blow Count Penetration Resistance:	Symbols:
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C)	Apparent Water Level
Little = 10-20%	in. = inches; ft. = feet; ppm. = parts per million	Density (G&S)	Lab Sample Location
Some = 20-35%	Soil Lithologies based on field observations only.	<2 = Very Soft	
And = 35-50%	No Sample Collected	2-4 = Soft	
		4-8 = Medium	
		8-15 = Stiff	
		15-30 = Very Stiff	
		>30 = Hard	
		0-4 = Very Loose	
		4-10 = Loose	
		10-30 = Medium	
		30-50 = Dense	
		50+ = Very Dense	
			SB-8 p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-9**

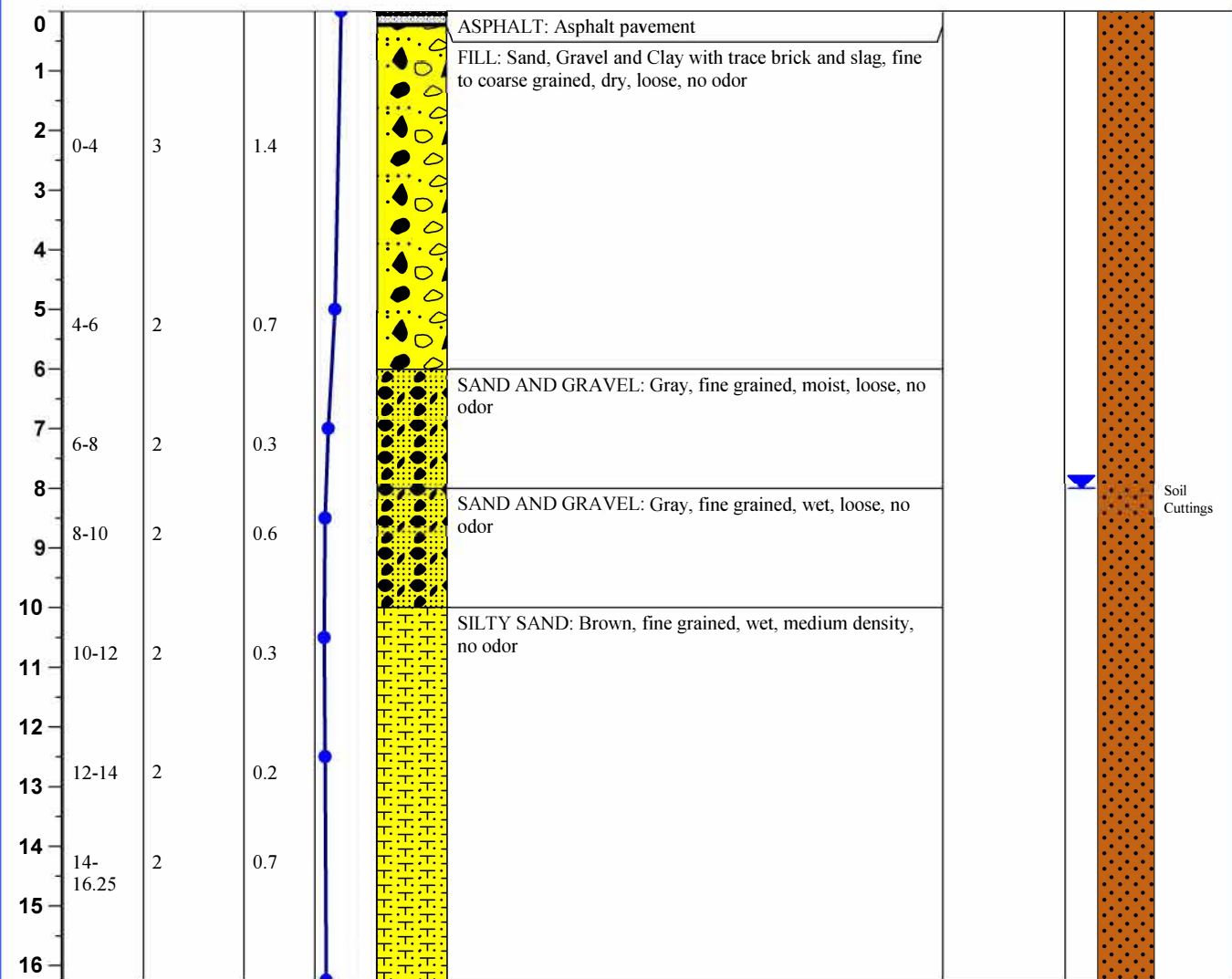
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/10/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/10/20** Split Spoon/Acetate Sleeve Length: **8 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **16.25 fbgs** Depth to Water: **8 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/10/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
-----------------	------------------------------	-----------------------	-----------------------	----------------------	----------	-----------------------



Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. No Sample Collected	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S) <2 = Very Soft 0-4 = Very Loose 2-4 = Soft 4-10 = Loose 4-8 = Medium 10-30 = Medium 8-15 = Stiff 30-50 = Dense 15-30 = Very Stiff 50+ = Very Dense >30 = Hard		Symbols: Apparent Water Level
		Lab Sample Location		SB-9 p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-10**

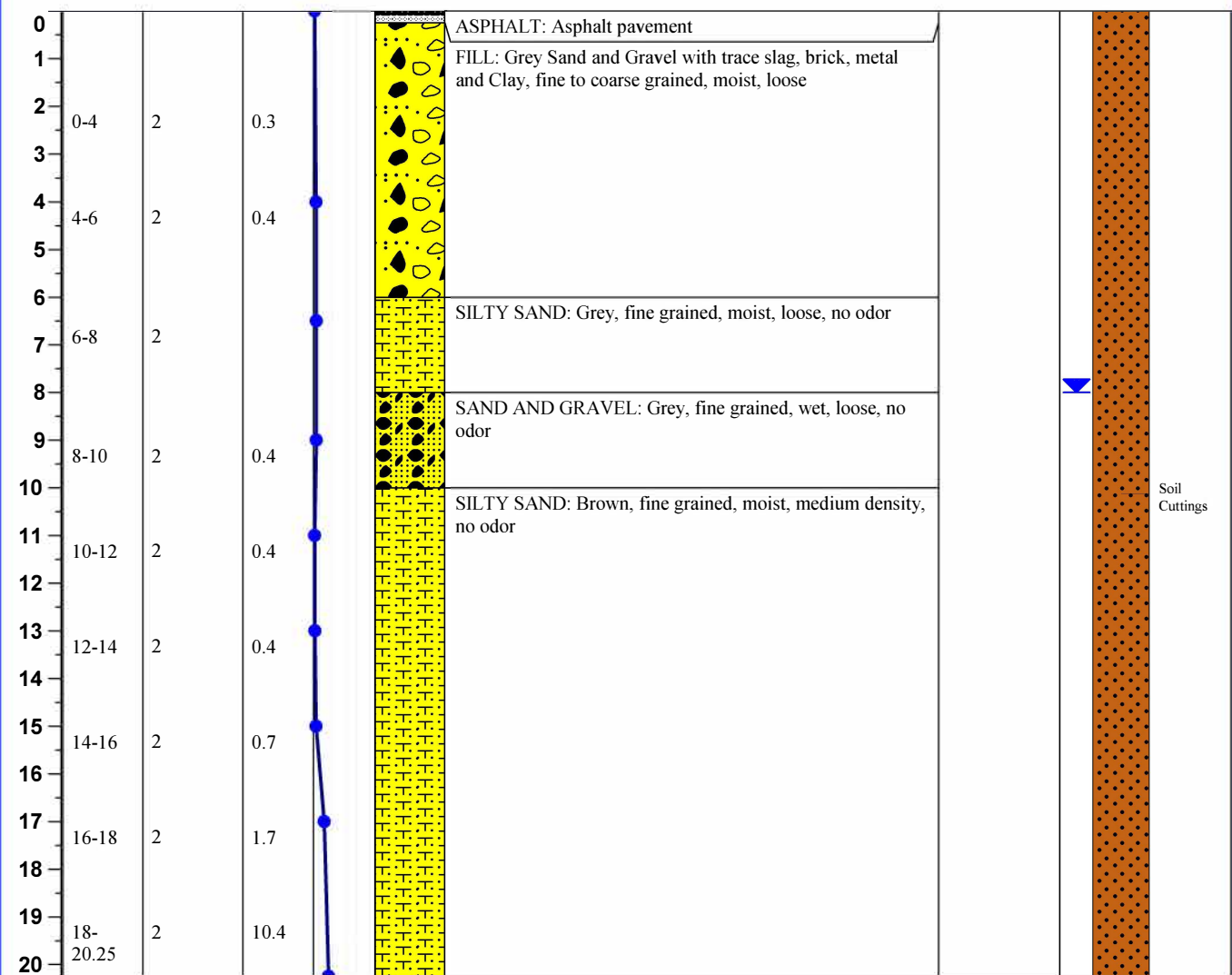
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/10/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/10/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **20.25 fbgs** Depth to Water: **8 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/10/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
-----------------	------------------------------	-----------------------	-----------------------	----------------------	----------	-----------------------



Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. No Sample Collected	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S) <2 = Very Soft 0-4 = Very Loose 2-4 = Soft 4-10 = Loose 4-8 = Medium 10-30 = Medium 8-15 = Stiff 30-50 = Dense 15-30 = Very Stiff 50+ = Very Dense >30 = Hard		Symbols: Apparent Water Level
				Lab Sample Location SB-10 p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-11**

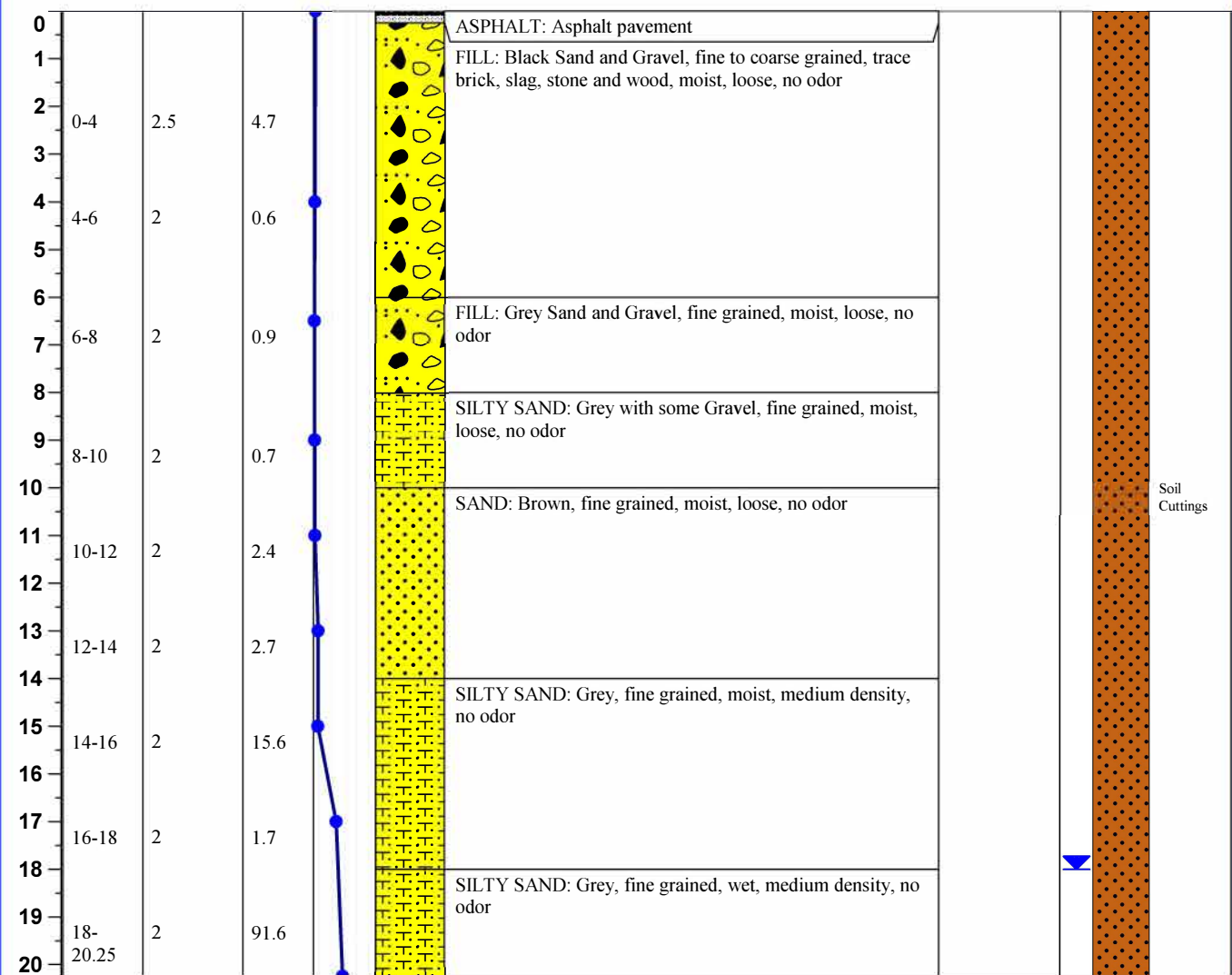
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/10/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/10/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **20.25 fbgs** Depth to Water: **18 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/10/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
-----------------	------------------------------	-----------------------	-----------------------	----------------------	----------	-----------------------



Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. No Sample Collected	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S) <2 = Very Soft 0-4 = Very Loose 2-4 = Soft 4-10 = Loose 4-8 = Medium 10-30 = Medium 8-15 = Stiff 30-50 = Dense 15-30 = Very Stiff 50+ = Very Dense >30 = Hard		Symbols: Apparent Water Level
		Lab Sample Location		SB-11 p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-12**

Page 1 of 1

Project: **NYSDEC Frewsburg**

Client: **NYSDEC**

Regulatory Case #: **907016**

Address: **300 Falconer Street**

GES Job #: **0901685**

NYSDEC PM: **Maurice Moore**

County: **Chautauqua County**

GES Project Mgr: **Thomas Palmer**

Permit #: **NA**

Logged By: **Peter Zaffram**

Date Drilled: **3/9/20**

Split Spoon/Acetate Sleeve Dia: **2.5 in**

Drilling Company: **Trec Environmental**

Completion Date: **3/9/20**

Split Spoon/Acetate Sleeve Length: **4 feet**

Drill Operator: **Chris Stockmaster**

Drilling Method: **Direct Push**

Soil Classification System: **Modified Burmister**

Drill Rig Type: **Geoprobe 6620 DT**

Sampling Method: **Macrocore**

Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in**

Surface Elevation:

Abandonment Method: **Soil Cuttings**

Total Depth: **16.25 fbs**

Depth to Water: **Not Encountered**

Backfill Material: **Soil Cuttings**

Refusal Depth: **NA**

Well Diameter: **NA**

Abandonment Completion Date: **3/9/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
0				ASPHALT: Asphalt pavement		
1				FILL: Sand, Gravel and crushed stone with trace brick, slag and Clay, fine to coarse grained, dry, loose, no odor		
2	0-4	3	0.5		Did not encounter water table	
3						
4	4-5	1	0.4			
5				SAND AND GRAVEL: Brown, fine grained, moist, loose, no odor		
6	5-8	2	0.4			
7						
8				SILTY SAND: Gray with some Gravel, fine grained, moist, loose, no odor		
9	8-10	2	0.4			
10				SAND: Gray with some Gravel, moist, loose, no odor		
11	10-12	2	0.7			
12						
13	12-14	2	0.6			
14	14-15	1	0.7			
15	15-16.25	1	0.9	SILT: Gray, moist, dense, no odor		
16						

Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
in. = inches; ft. = feet; ppm. = parts per million
Soil Lithologies based on field observations only.
No Sample Collected

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level

Lab Sample Location

SB-12

p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-13**

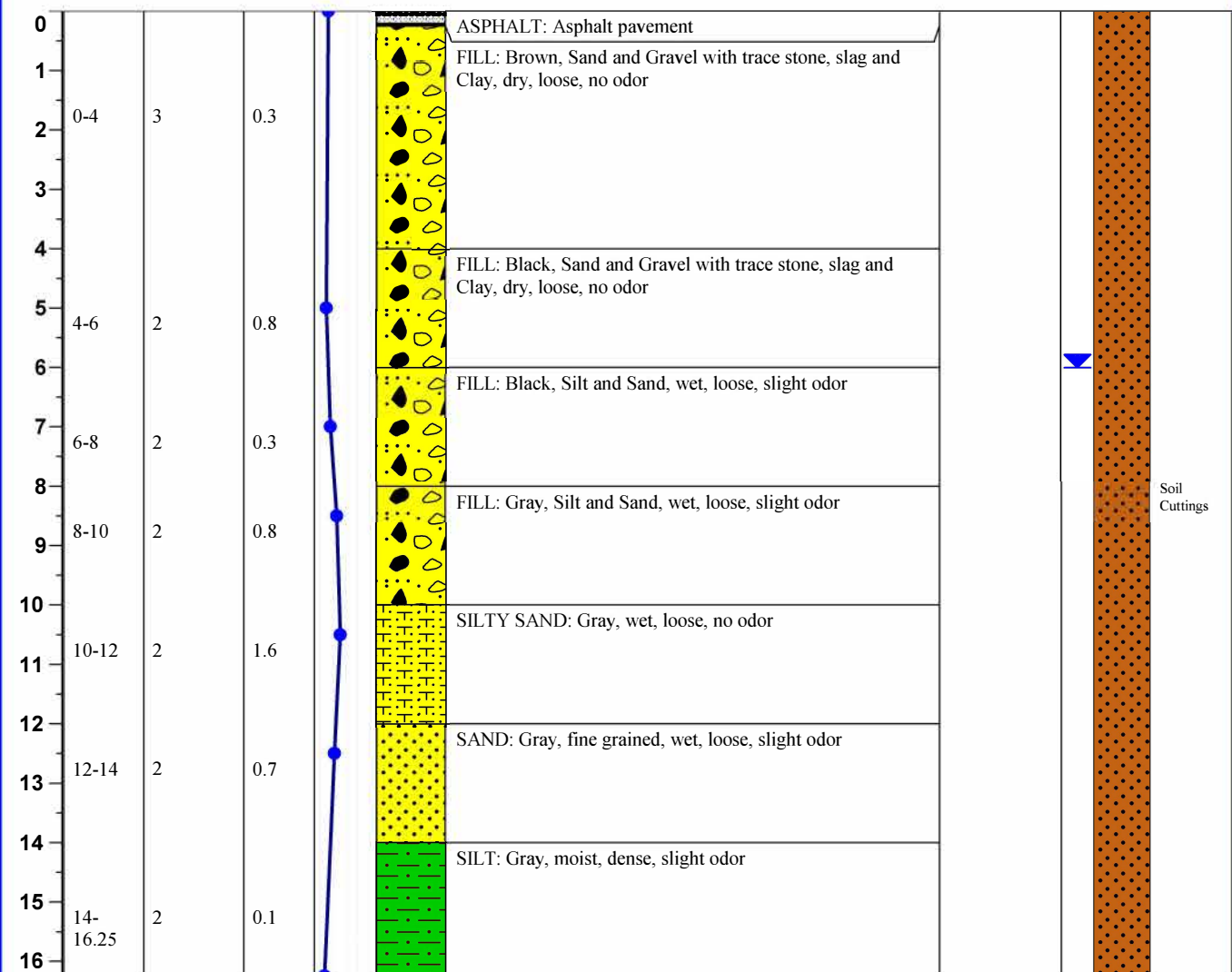
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/9/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/9/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **16.25 fbs** Depth to Water: **6 fbs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/9/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
-----------------	------------------------------	-----------------------	-----------------------	----------------------	----------	-----------------------



Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. No Sample Collected	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S) <2 = Very Soft 0-4 = Very Loose 2-4 = Soft 4-10 = Loose 4-8 = Medium 10-30 = Medium 8-15 = Stiff 30-50 = Dense 15-30 = Very Stiff 50+ = Very Dense >30 = Hard		Symbols: Apparent Water Level
		Lab Sample Location		SB-13 p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-14**

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Project: **NYSDEC Frewsburg**

Client: **NYSDEC**

Regulatory Case #: **907016**

Address: **300 Falconer Street**

GES Job #: **0901685**

NYSDEC PM: **Maurice Moore**

County: **Chautauqua County**

GES Project Mgr: **Thomas Palmer**

Permit #: **NA**

Logged By: **Peter Zaffram**

Date Drilled: **3/9/20**

Split Spoon/Acetate Sleeve Dia: **2.5 in**

Drilling Company: **Trec Environmental**

Completion Date: **3/9/20**

Split Spoon/Acetate Sleeve Length: **4 feet**

Drill Operator: **Chris Stockmaster**

Drilling Method: **Direct Push**

Soil Classification System: **Modified Burmister**

Drill Rig Type: **Geoprobe 6620 DT**

Sampling Method: **Macrocore**

Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in**

Surface Elevation:

Abandonment Method: **Soil Cuttings**

Total Depth: **20.25 fbg**

Depth to Water: **8 fbg**

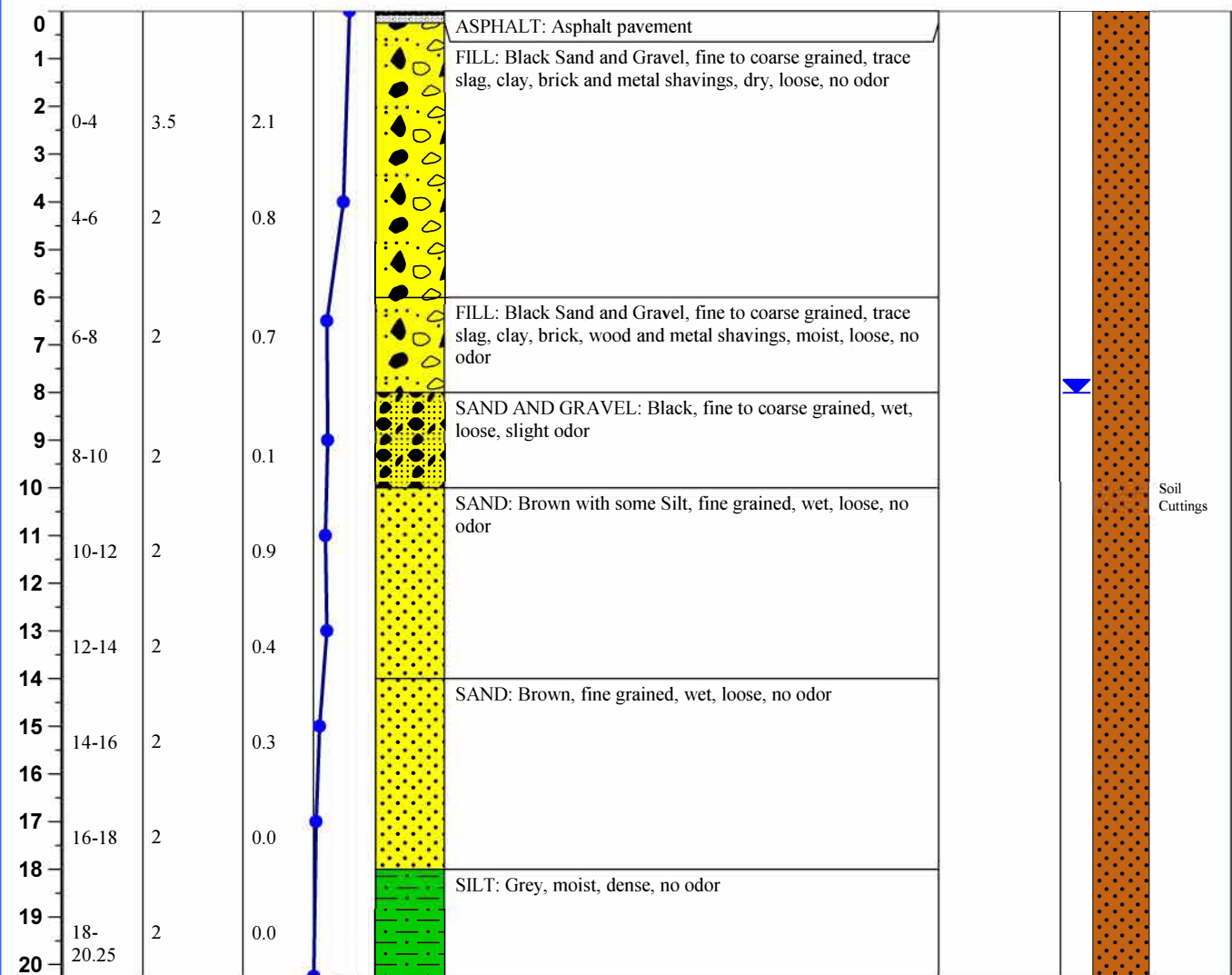
Backfill Material: **Soil Cuttings**

Refusal Depth: **NA**

Well Diameter: **NA**

Abandonment Completion Date: **3/9/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
-----------------	------------------------------	-----------------------	-----------------------	----------------------	----------	-----------------------



Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. No Sample Collected	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S) <2 = Very Soft 0-4 = Very Loose 2-4 = Soft 4-10 = Loose 4-8 = Medium 10-30 = Medium 8-15 = Stiff 30-50 = Dense 15-30 = Very Stiff 50+ = Very Dense >30 = Hard		Symbols: Apparent Water Level
				Lab Sample Location

SB-14

p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-15**

Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/26/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/26/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **20 fbg** Depth to Water: **10 fbg** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/26/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
0						
1	0-4	3	0	FILL: Brown to Gray Sand and Gravel, trace slag and brick debris, fine to coarse, dry, loose, no odor		
2						
3						
4						
5	4-6	2	0			
6						
7	6-8	2	0	SAND AND GRAVEL: Brown, fine grained, moist, loose, no odor		
8						
9	8-10	1	0			
10						
11	10-12	2	0			
12						
13	12-14	2	0	Sand: Brown, fine grained with trace Gravel, wet, loose, no odor		
14						
15	14-16	2	0	Silty Sand: Brown, fine grained with some Silt, wet, medium density, no odor		
16						
17	16-18	1	0			
18						
19	18-20	2	0	Silt: Gray, with trace metal shards, moist, dense, no odor		
20						

Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 No Sample taken at this location

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level



Lab Sample Location



SB-15

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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-16**

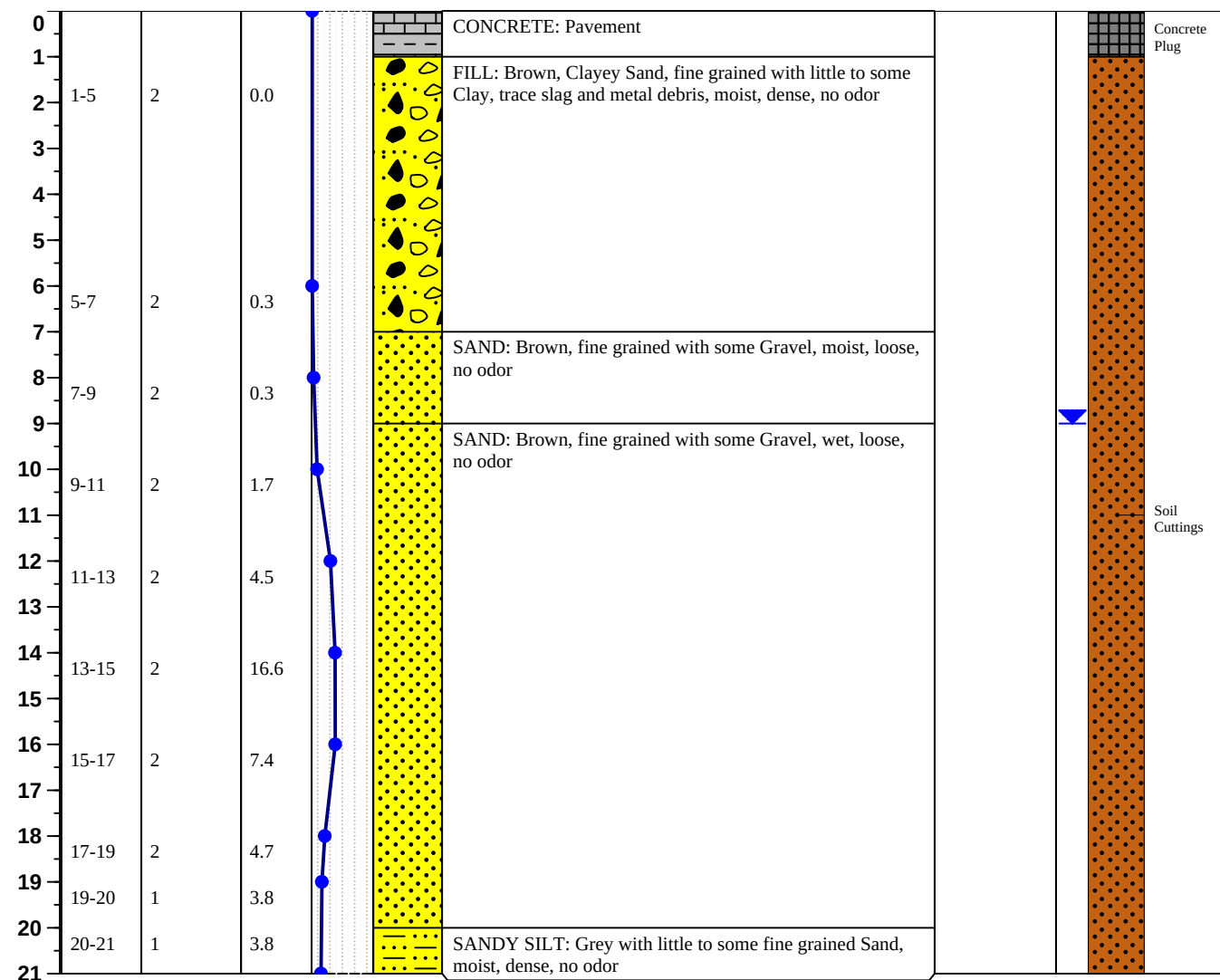
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/5/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/5/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **21.00 fbgs** Depth to Water: **9 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/5/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 25			



<u>Proportions Used:</u>	<u>Notes:</u>	<u>Blow Count Penetration Resistance:</u>		<u>Symbols:</u>
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C) Density (G&S)		Apparent Water Level 
Little = 10-20%	in. = inches; ft.= feet; ppm.= parts per million	<2 = Very Soft	0-4 = Very Loose	Lab Sample Location 
Some = 20-35%	Soil Lithologies based on field observations only.	2-4 = Soft	4-10 = Loose	
And = 35-50%	No Sample Collected	4-8 = Medium	10-30 = Medium	
		8-15 = Stiff	30-50 = Dense	
		15-30 = Very Stiff	50+ = Very Dense	
		>30 = Hard		
				SB-16 p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-17**

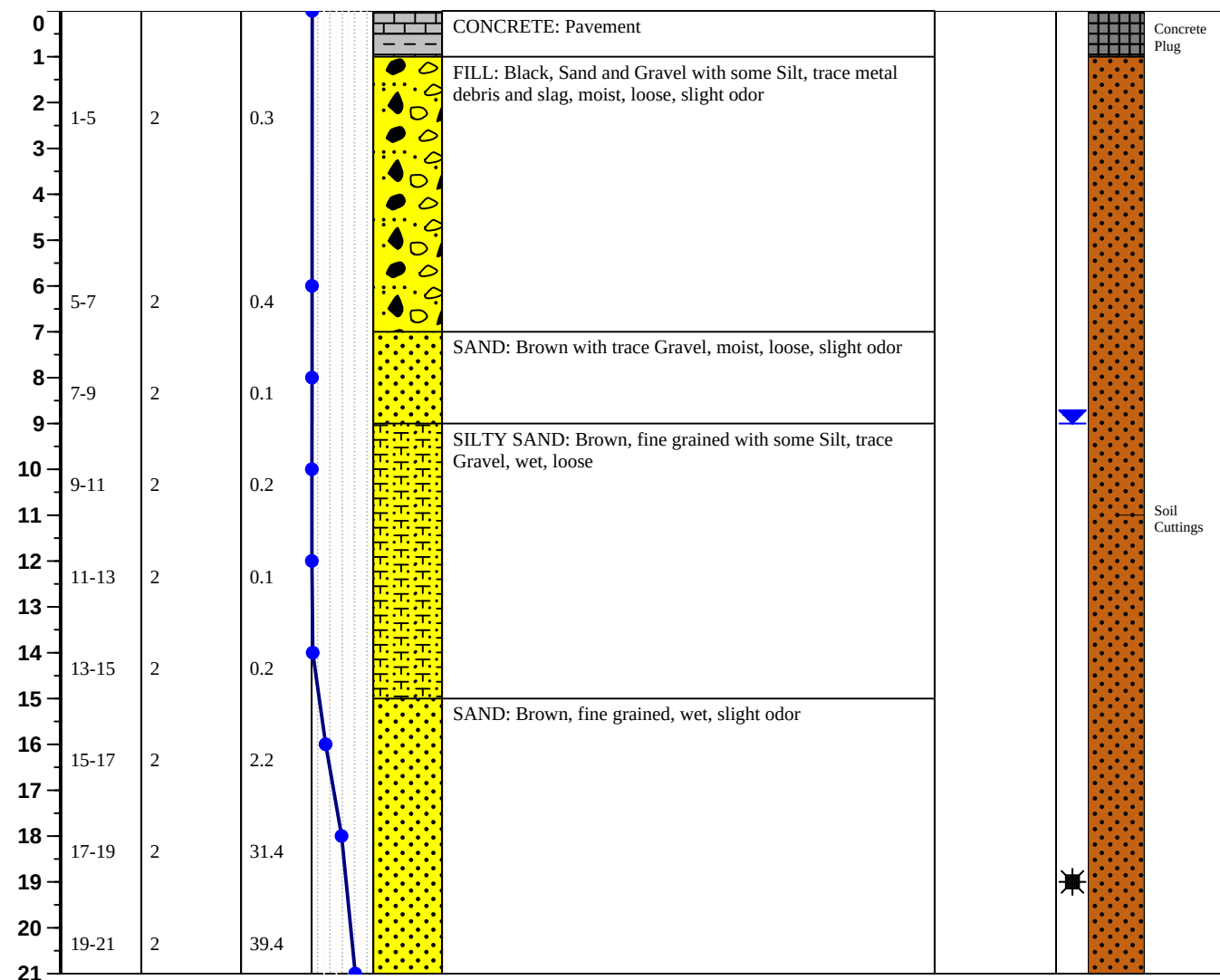
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/5/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/5/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **21.00 fbgs** Depth to Water: **9 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/5/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
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Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. Sample Collected from 18-20 fbgs	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S)		Symbols: Apparent Water Level Lab Sample Location
		<2 = Very Soft 2-4 = Soft 4-8 = Medium 8-15 = Stiff 15-30 = Very Stiff >30 = Hard	0-4 = Very Loose 4-10 = Loose 10-30 = Medium 30-50 = Dense 50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-18**

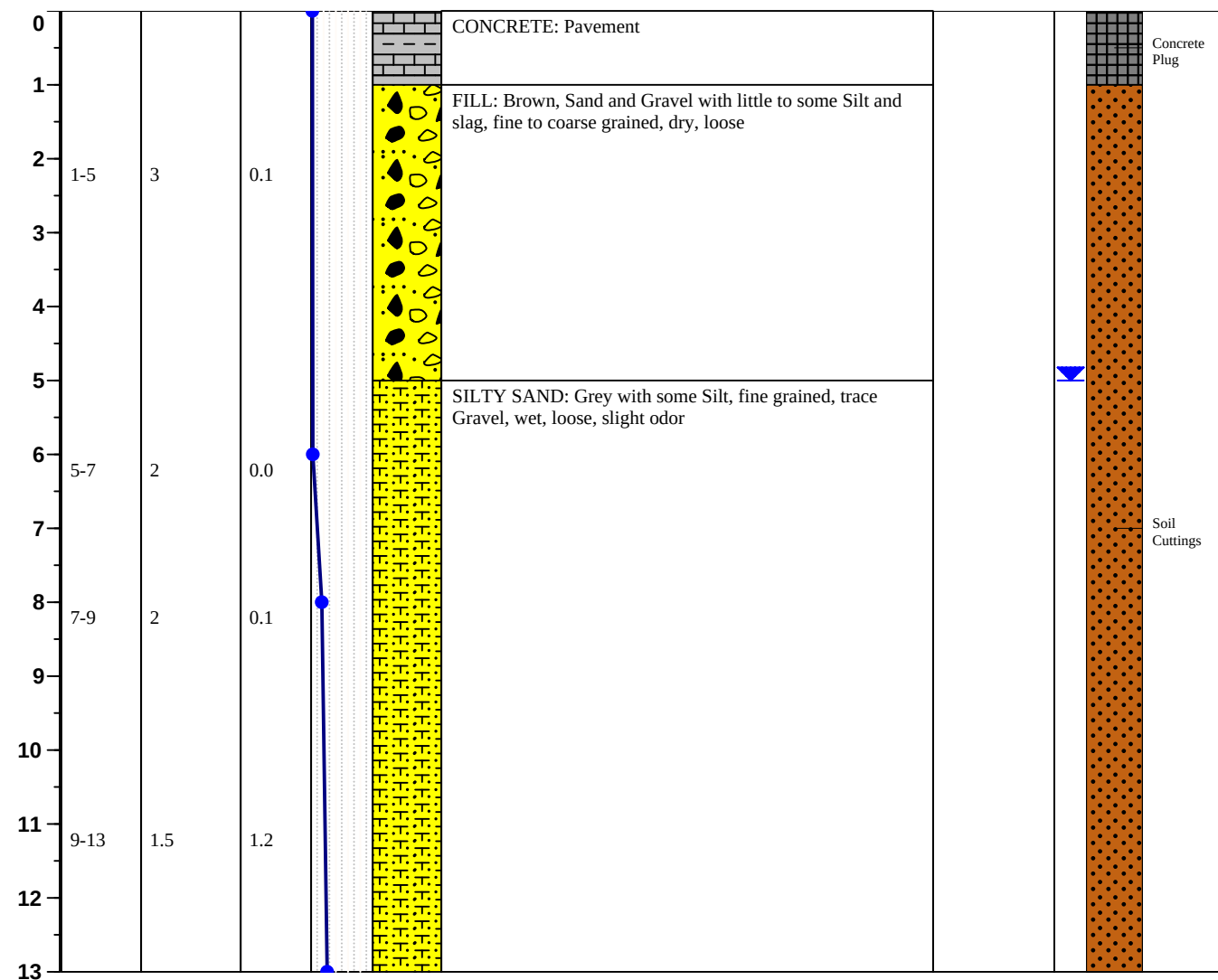
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/5/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/5/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **13.00 fbgs** Depth to Water: **5 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/5/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 3			



Proportions Used:	Notes:	Blow Count Penetration Resistance:	Symbols:
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C)	Apparent Water Level
Little = 10-20%	in. = inches; ft. = feet; ppm. = parts per million	Density (G&S)	Lab Sample Location
Some = 20-35%	Soil Lithologies based on field observations only.	<2 = Very Soft	
And = 35-50%	No Sample Collected	2-4 = Soft	
		4-8 = Medium	
		8-15 = Stiff	
		15-30 = Very Stiff	
		>30 = Hard	
		0-4 = Very Loose	
		4-10 = Loose	
		10-30 = Medium	
		30-50 = Dense	
		50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-19**

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Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/9/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/9/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **16.25 fbgs** Depth to Water: **10 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/9/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
0				ASPHALT: Asphalt pavement		
1				FILL: Brown, Clay and Sand, fine grained, trace brick, slag, gravel and metal shavings, dry, loose		
2	0-4	4	1.2			
3						
4						
5	4-8	0		NO RECOVERY: 4-8 feet		
6						
7						
8						
9	8-10	2	0.5	SAND AND GRAVEL: Black, fine grained, trace Organics, moist, loose, no odor		
10						
11	10-12	2	2.5	SILTY SAND: Brown, fine grained, wet, loose, no odor		
12						
13	12-14	2		SILTY SAND: Gray, fine grained, wet, loose, no odor		
14						
15	14-15	1				
16	15-16.25	1	67.9	SILT: Gray, moist, dense, no odor		

Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 No Sample Collected

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level

Lab Sample Location



SB-19

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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-20**

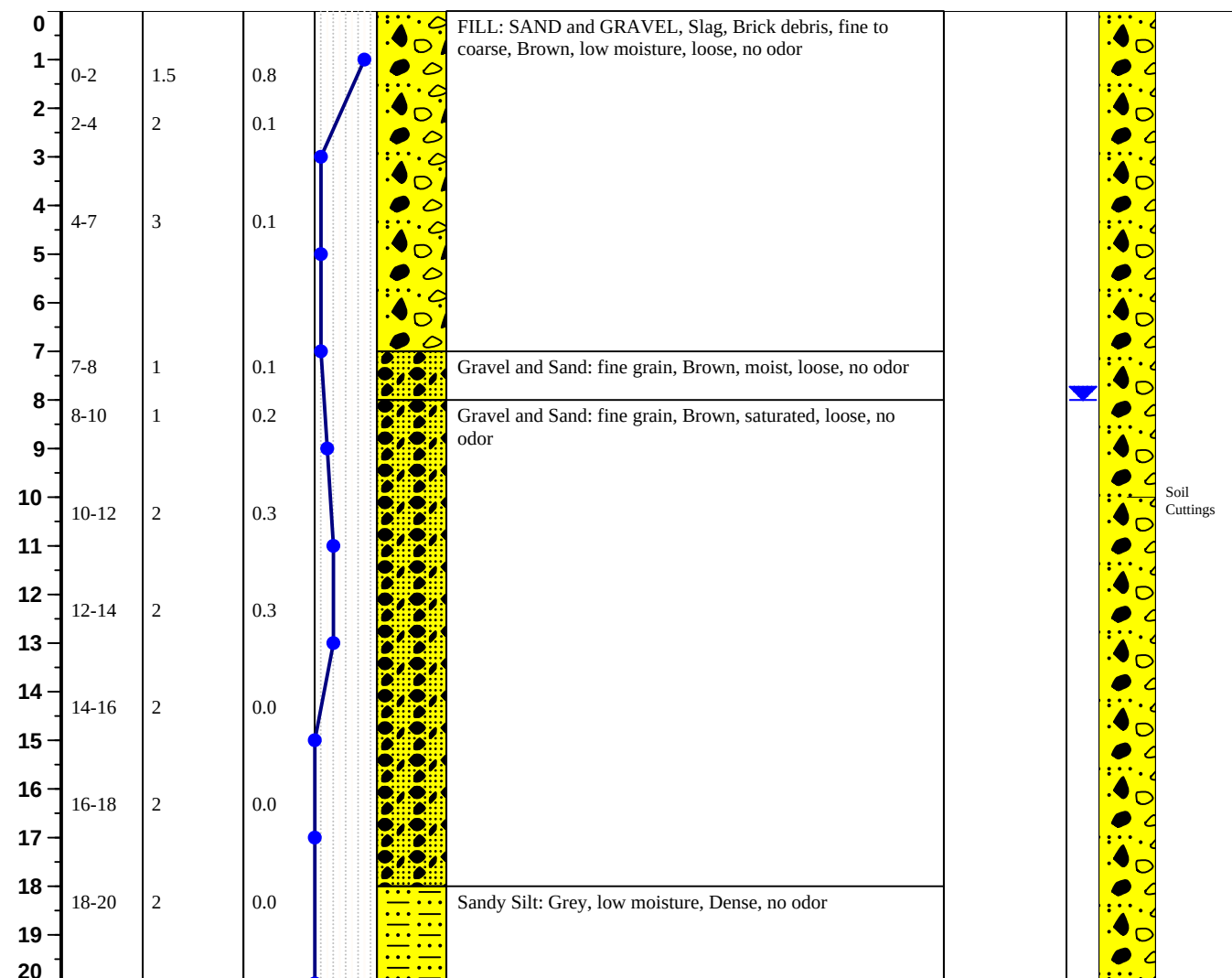
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/26/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/26/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **20 fbgs** Depth to Water: **8 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/26/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0.0 1.0			



Proportions Used:	Notes:	Blow Count Penetration Resistance:	Symbols:
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C)	Apparent Water Level
Little = 10-20%	in. = inches; ft.= feet; ppm.= parts per million	Density (G&S)	Lab Sample Location
Some = 20-35%	Soil Lithologies based on field observations only.	<2 = Very Soft	
And = 35-50%	No Sample taken at this location	2-4 = Soft	
		4-8 = Medium	
		8-15 = Stiff	
		15-30 = Very Stiff	
		>30 = Hard	
		0-4 = Very Loose	
		4-10 = Loose	
		10-30 = Medium	
		30-50 = Dense	
		50+ = Very Dense	
			SB-20 p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-21**

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Project: **NYSDEC Frewsburg**

Client: **NYSDEC**

Regulatory Case #: **907016**

Address: **300 Falconer Street**

GES Job #: **0901685**

NYSDEC PM: **Maurice Moore**

County: **Chautauqua County**

GES Project Mgr: **Thomas Palmer**

Permit #: **NA**

Logged By: **Peter Zaffram**

Date Drilled: **3/9/20**

Split Spoon/Acetate Sleeve Dia: **2.5 in**

Drilling Company: **Trec Environmental**

Completion Date: **3/9/20**

Split Spoon/Acetate Sleeve Length: **4 feet**

Drill Operator: **Chris Stockmaster**

Drilling Method: **Direct Push**

Soil Classification System: **Modified Burmister**

Drill Rig Type: **Geoprobe 6620 DT**

Sampling Method: **Macrocore**

Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in**

Surface Elevation:

Abandonment Method: **Soil Cuttings**

Total Depth: **16.25 fbgs**

Depth to Water: **9 fbgs**

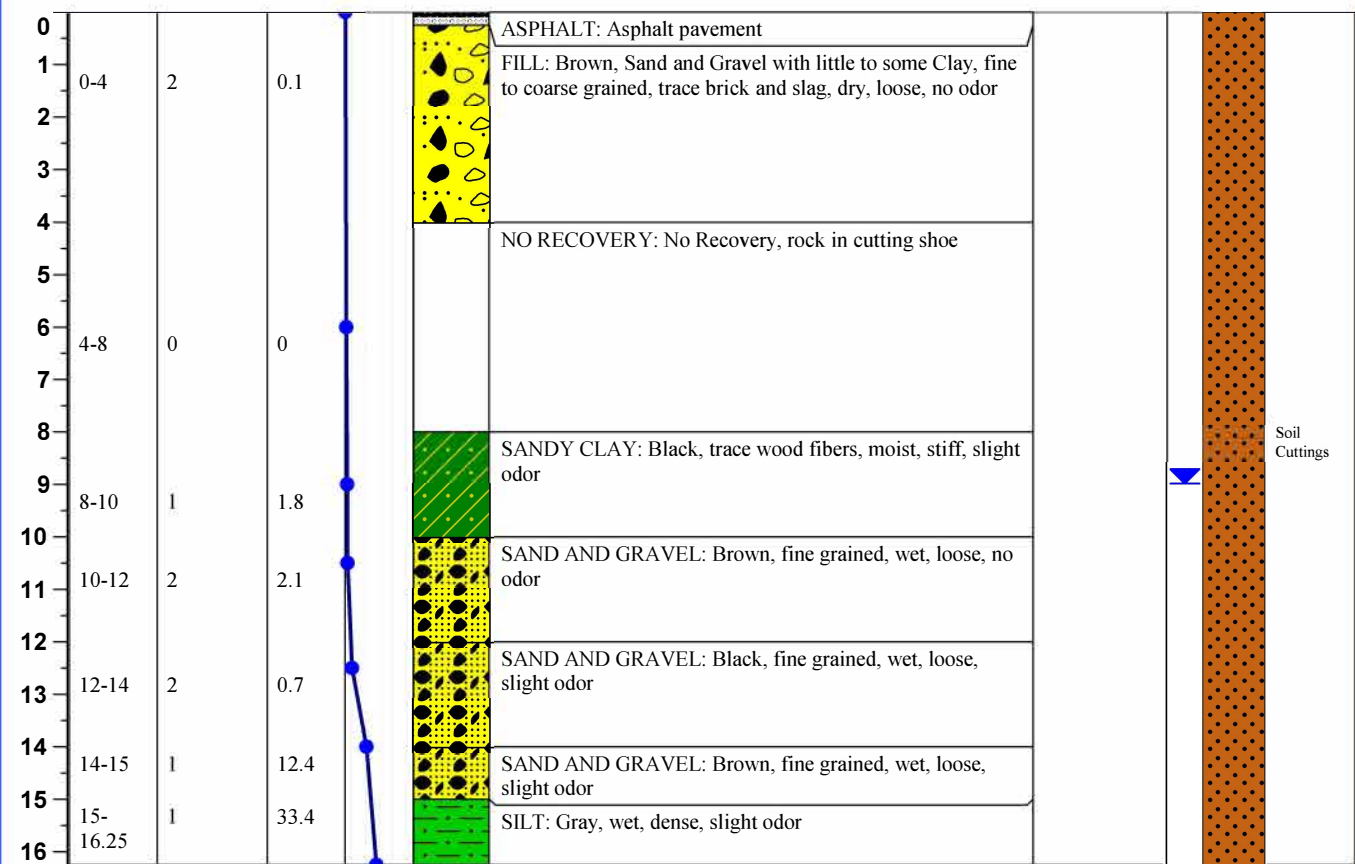
Backfill Material: **Soil Cuttings**

Refusal Depth: **NA**

Well Diameter: **NA**

Abandonment Completion Date: **3/9/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
-----------------	------------------------------	-----------------------	-----------------------	----------------------	----------	-----------------------



Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft = feet; ppm. = parts per million Soil Lithologies based on field observations only. No Sample Collected	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S)		Symbols: Apparent Water Level Lab Sample Location
		<2 = Very Soft 2-4 = Soft 4-8 = Medium 8-15 = Stiff 15-30 = Very Stiff >30 = Hard	0-4 = Very Loose 4-10 = Loose 10-30 = Medium 30-50 = Dense 50+ = Very Dense	

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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-22**

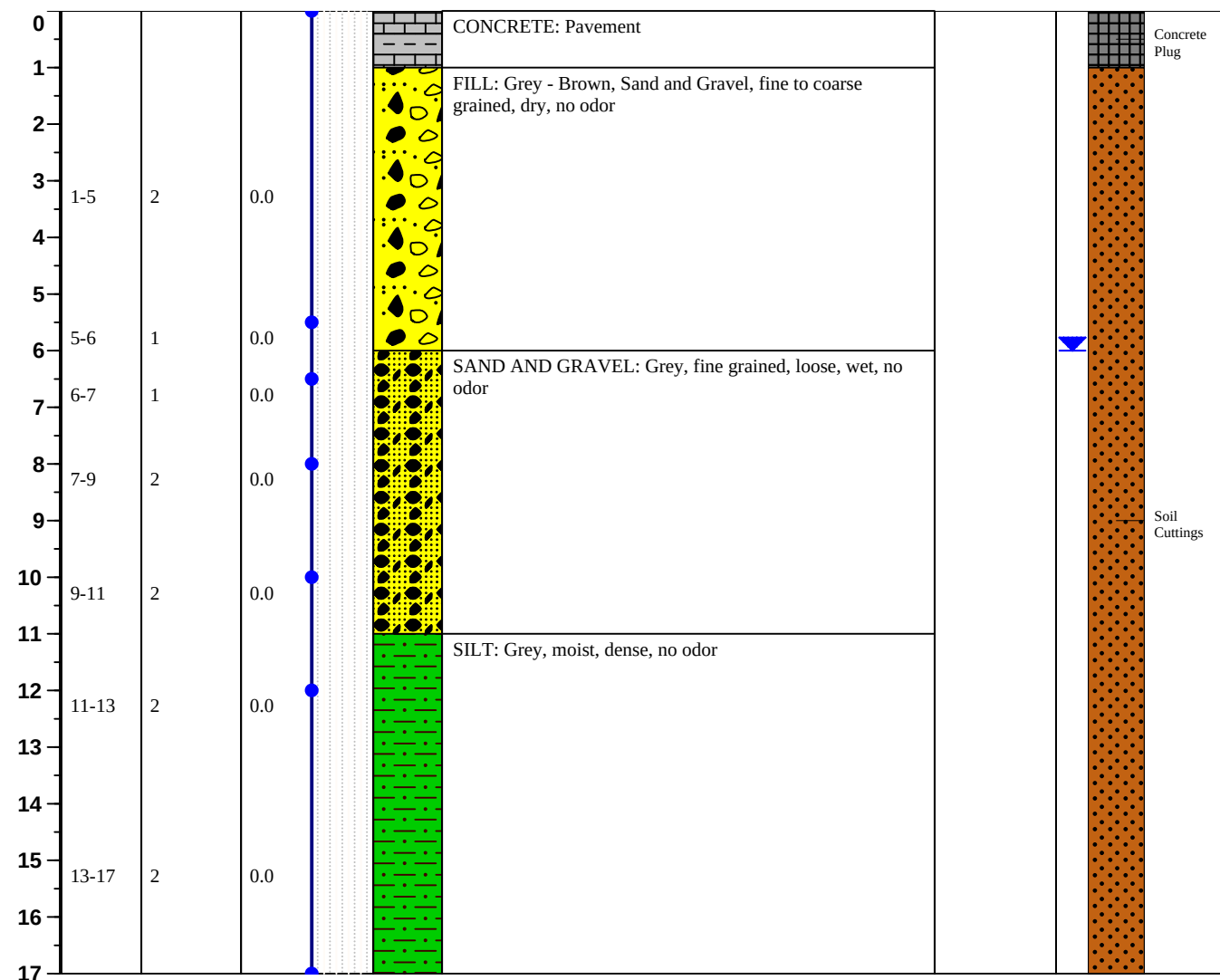
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Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/4/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/4/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **6 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/4/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 100			



Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 No Sample Collected

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level

Lab Sample Location



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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-23**

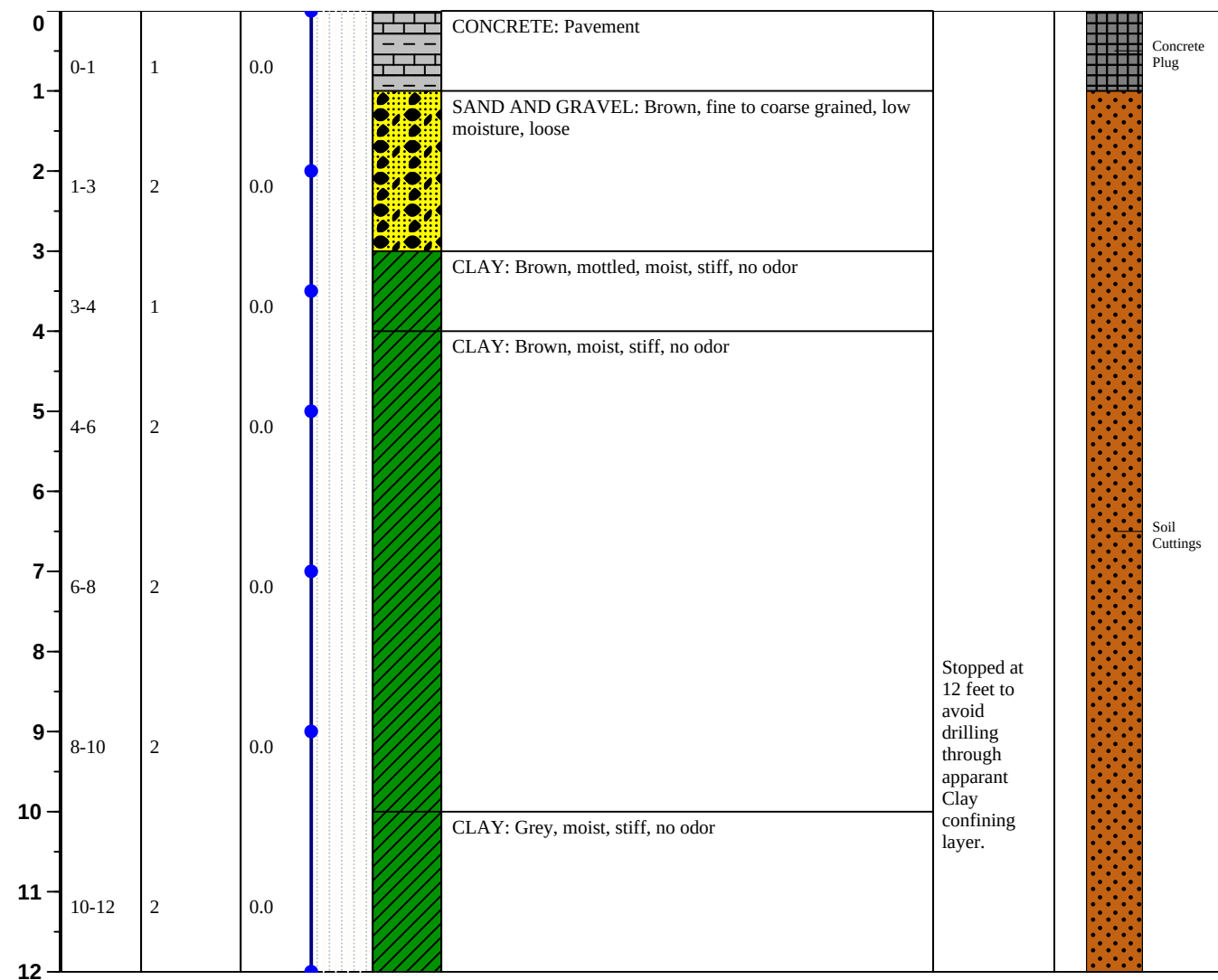
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Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/4/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/4/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **12.00 fbgs** Depth to Water: **5 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/4/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 100			



Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft.= feet; ppm.= parts per million Soil Lithologies based on field observations only. No Sample Collected	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S)		Symbols: Apparent Water Level Lab Sample Location
		<2 = Very Soft 2-4 = Soft 4-8 = Medium 8-15 = Stiff 15-30 = Very Stiff >30 = Hard	0-4 = Very Loose 4-10 = Loose 10-30 = Medium 30-50 = Dense 50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-24**

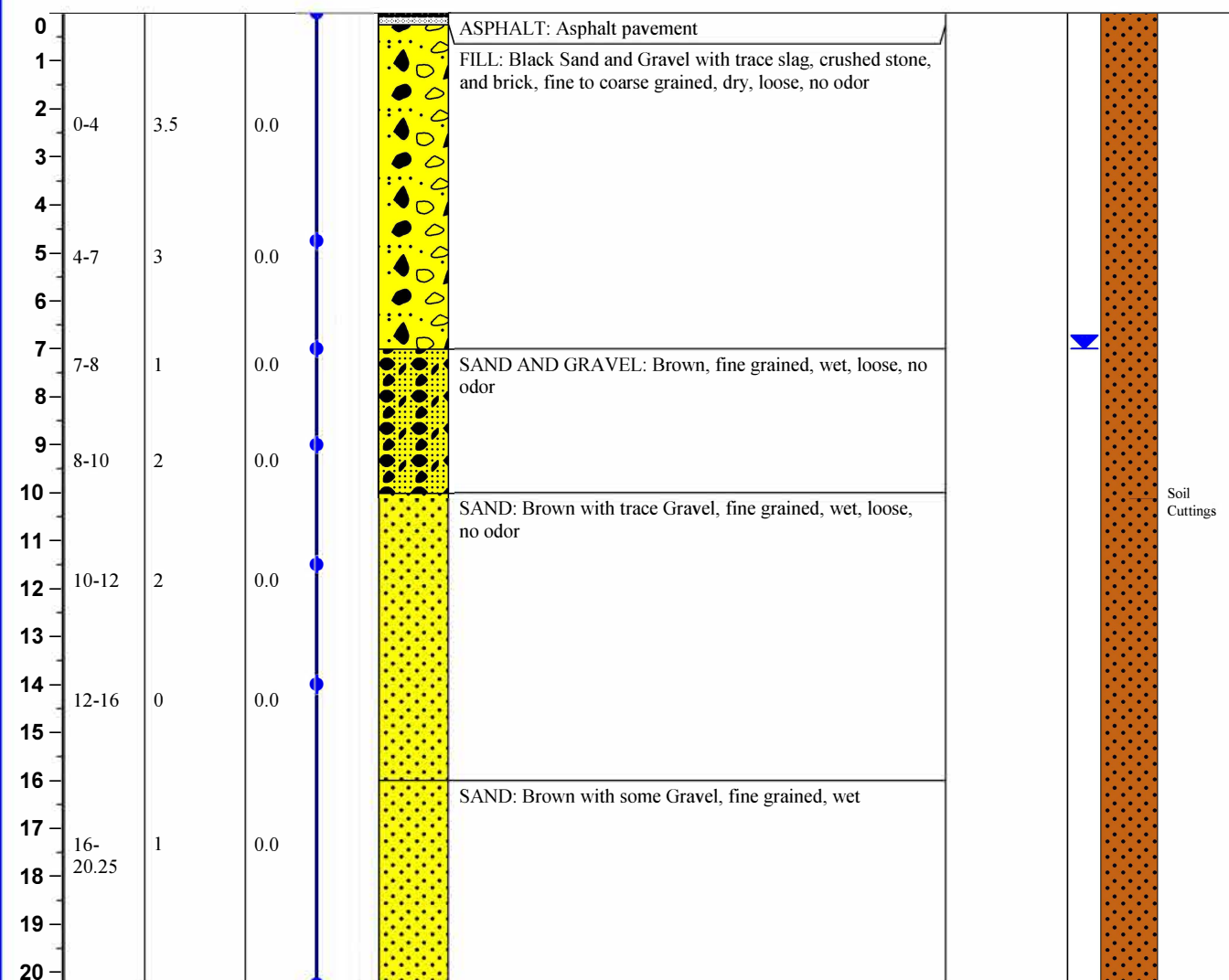
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Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/26/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/26/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **20.25 fbgs** Depth to Water: **7 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/26/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
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Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 No Sample Collected

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level

Lab Sample Location

SB-24

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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-25**

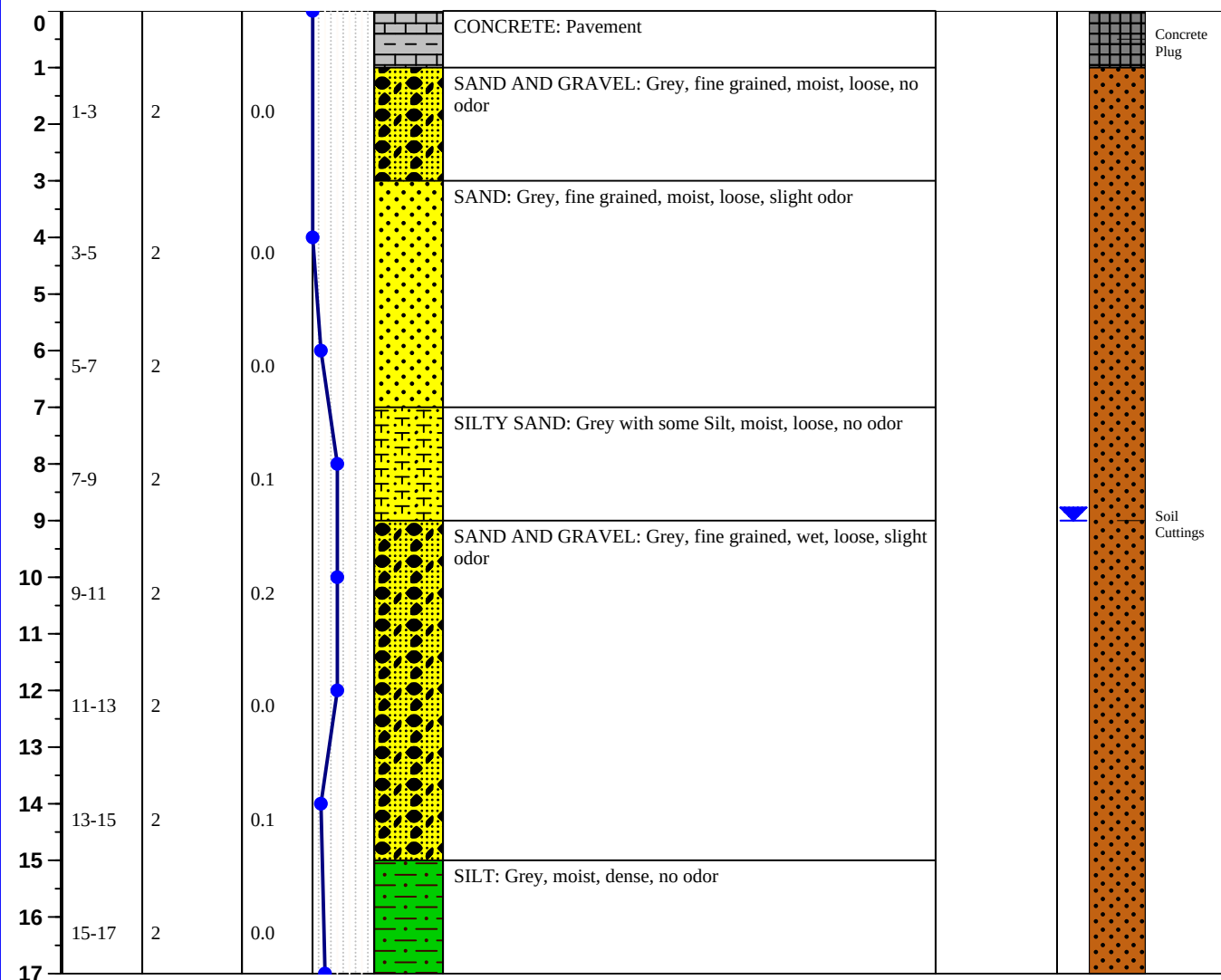
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/5/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/5/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **9 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/5/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 0			



Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. No Sample Collected	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S)		Symbols: Apparent Water Level Lab Sample Location
		<2 = Very Soft 2-4 = Soft 4-8 = Medium 8-15 = Stiff 15-30 = Very Stiff >30 = Hard	0-4 = Very Loose 4-10 = Loose 10-30 = Medium 30-50 = Dense 50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-26**

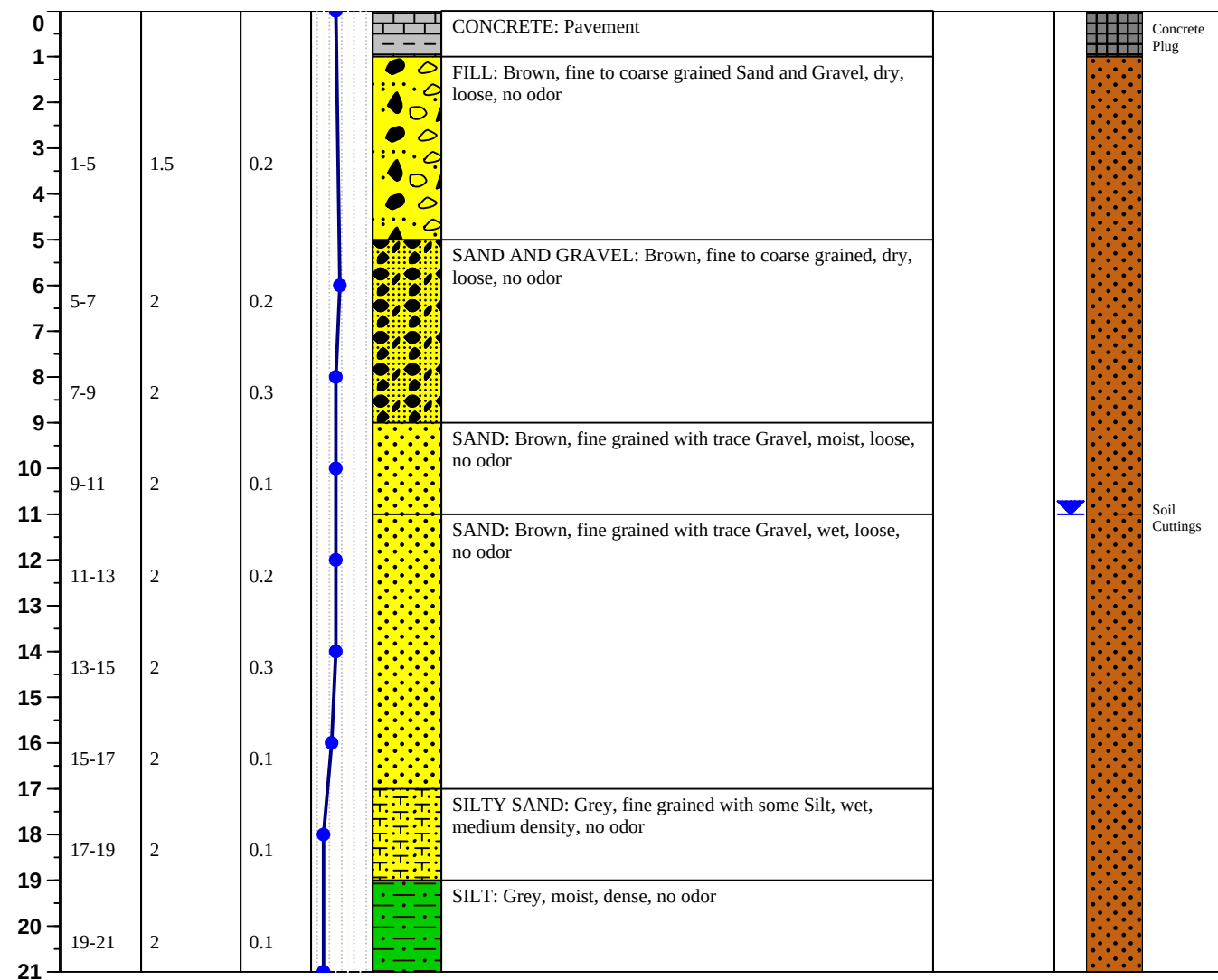
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/9/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/9/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **21.00 fbgs** Depth to Water: **11 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/9/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 1			



Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. No Sample Collected	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S)		Symbols: Apparent Water Level Lab Sample Location
		<2 = Very Soft 2-4 = Soft 4-8 = Medium 8-15 = Stiff 15-30 = Very Stiff >30 = Hard	0-4 = Very Loose 4-10 = Loose 10-30 = Medium 30-50 = Dense 50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-27**

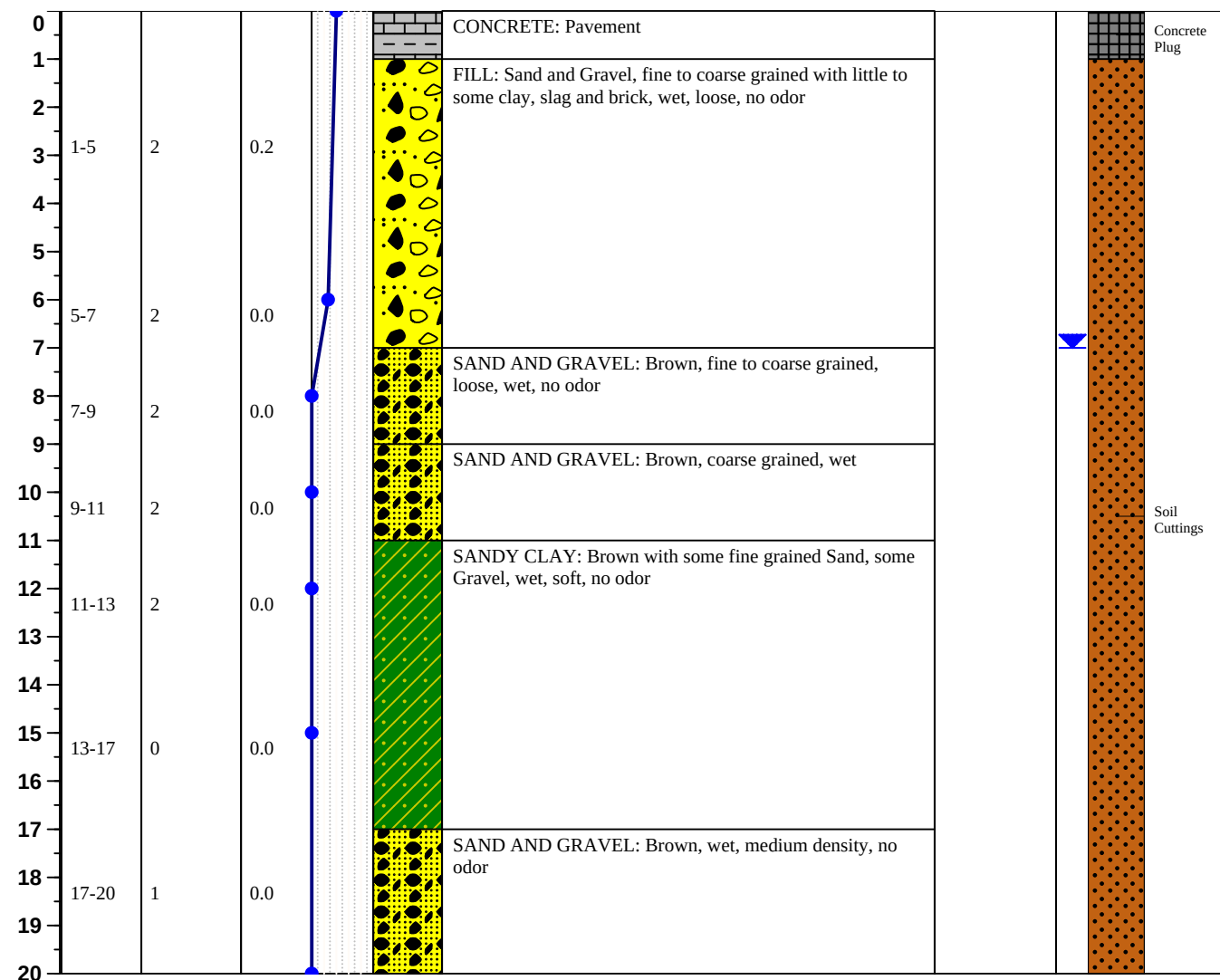
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/3/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/3/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **20.00 fbgs** Depth to Water: **7 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/3/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 0			



Proportions Used:	Notes:	Blow Count Penetration Resistance:	Symbols:
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C)	Apparent Water Level
Little = 10-20%	in. = inches; ft. = feet; ppm. = parts per million	Density (G&S)	Lab Sample Location
Some = 20-35%	Soil Lithologies based on field observations only.	<2 = Very Soft	
And = 35-50%	No Sample Collected	2-4 = Soft	
		4-8 = Medium	
		8-15 = Stiff	
		15-30 = Very Stiff	
		>30 = Hard	
		0-4 = Very Loose	
		4-10 = Loose	
		10-30 = Medium	
		30-50 = Dense	
		50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-28**

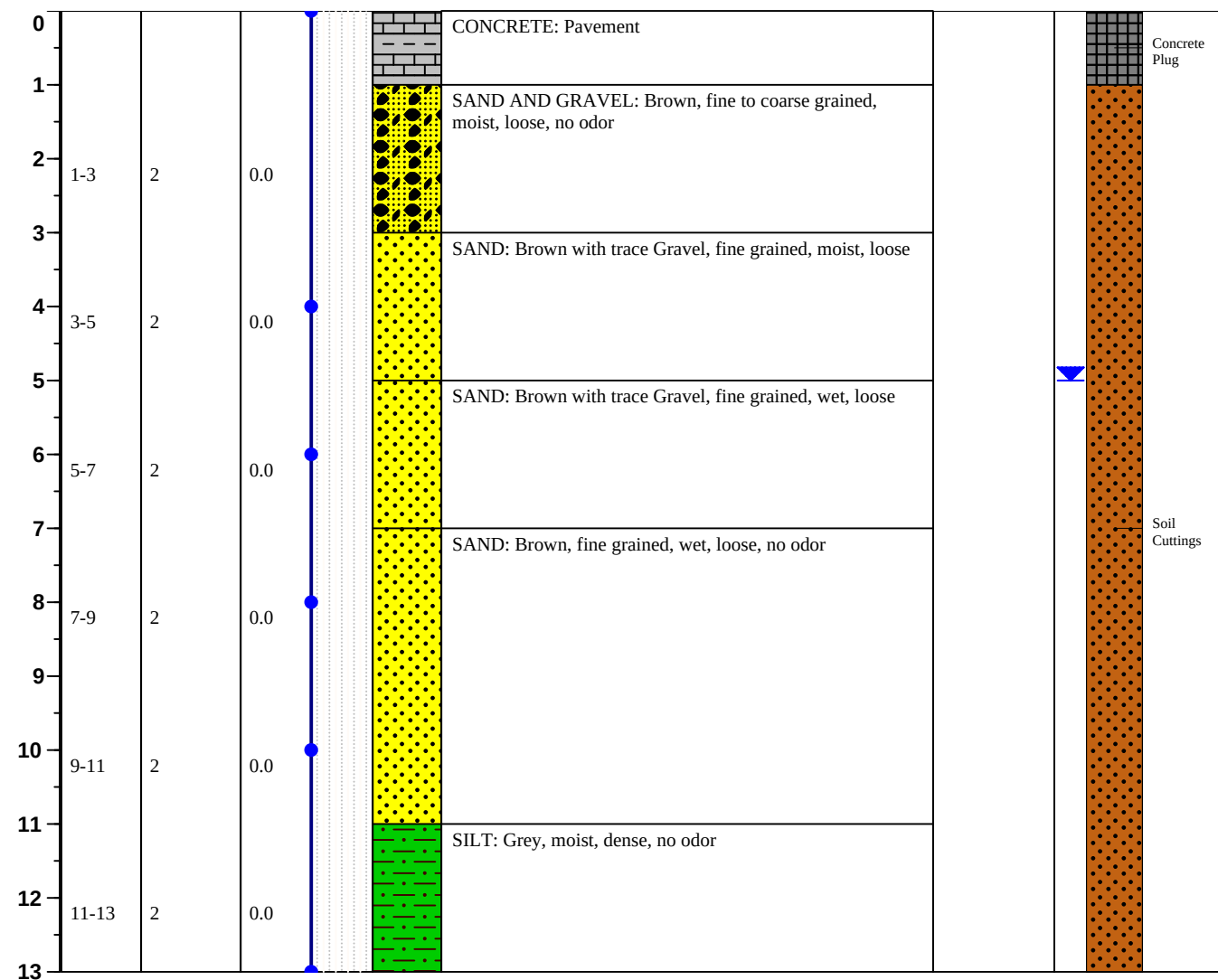
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/4/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/4/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **13.00 fbgs** Depth to Water: **5 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/4/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 100			



Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft.= feet; ppm.= parts per million
 Soil Lithologies based on field observations only.
 No Sample Collected

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level



Lab Sample Location



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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-29**

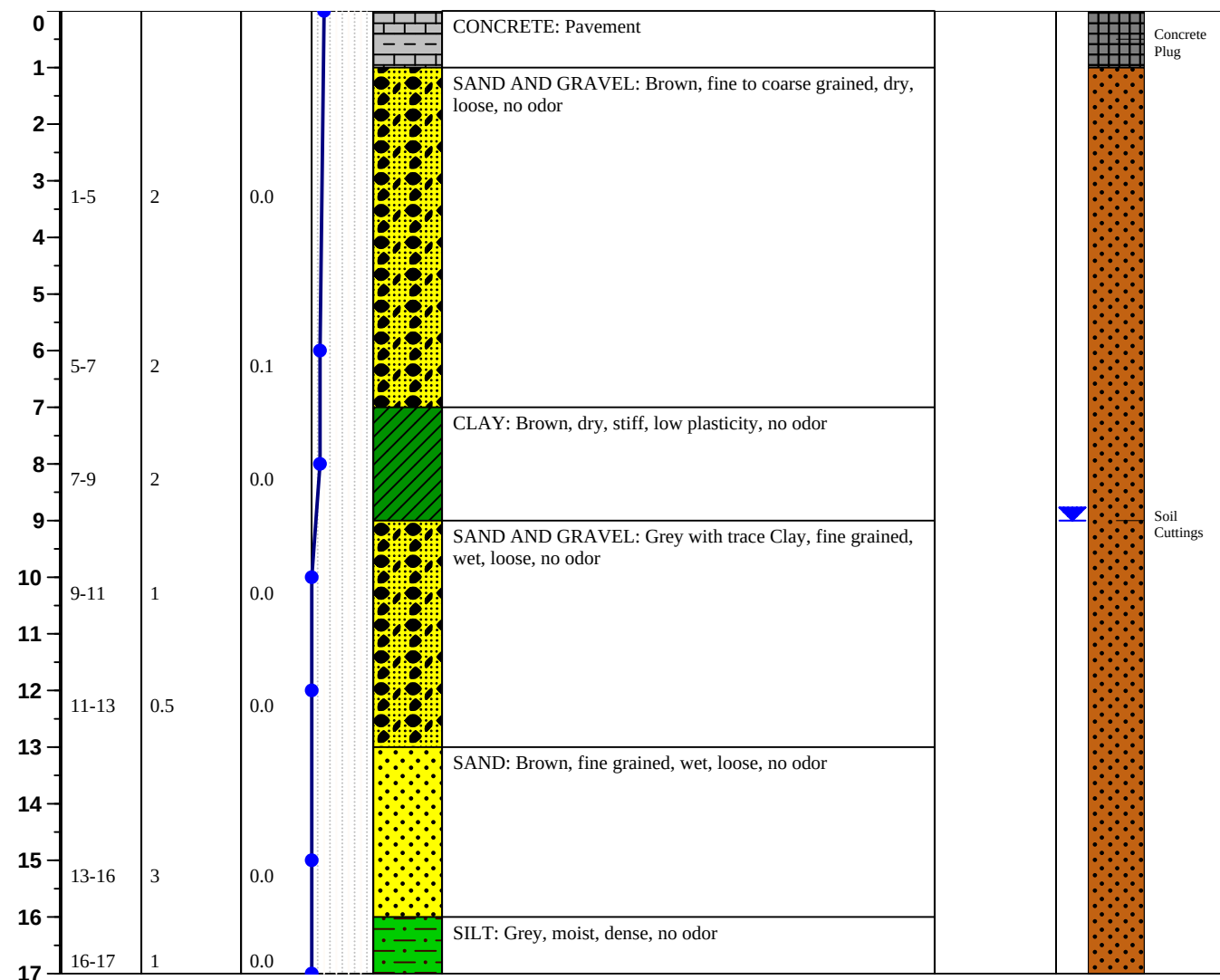
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/4/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/4/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **9 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/4/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 0 0			



Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. No Sample Collected	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S)		Symbols: Apparent Water Level Lab Sample Location
		<2 = Very Soft 2-4 = Soft 4-8 = Medium 8-15 = Stiff 15-30 = Very Stiff >30 = Hard	0-4 = Very Loose 4-10 = Loose 10-30 = Medium 30-50 = Dense 50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-30**

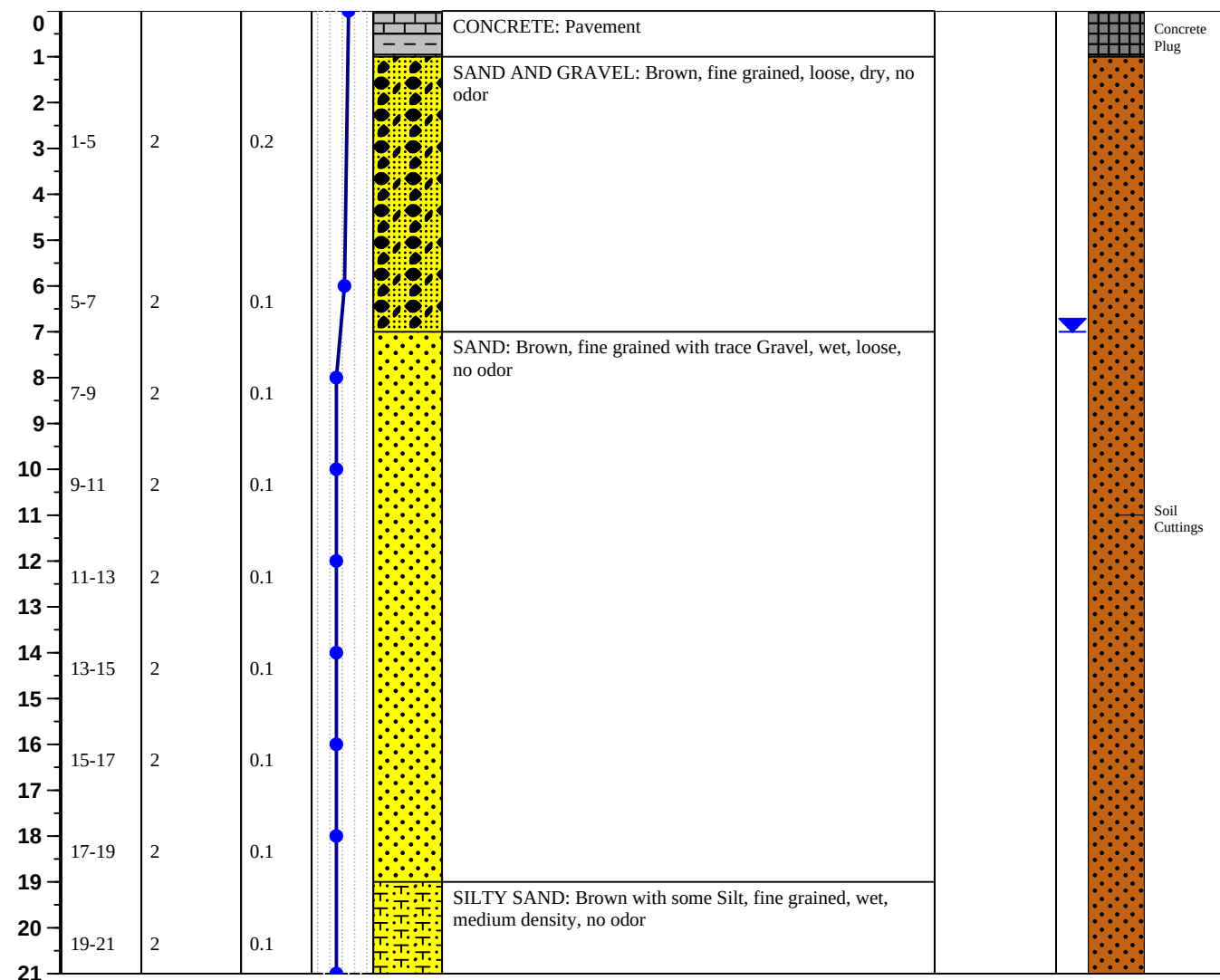
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Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/2/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/2/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **21.00 fbgs** Depth to Water: **7 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/2/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 0			



Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. No Sample Collected	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S)		Symbols: Apparent Water Level Lab Sample Location
		<2 = Very Soft 2-4 = Soft 4-8 = Medium 8-15 = Stiff 15-30 = Very Stiff >30 = Hard	0-4 = Very Loose 4-10 = Loose 10-30 = Medium 30-50 = Dense 50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-31**

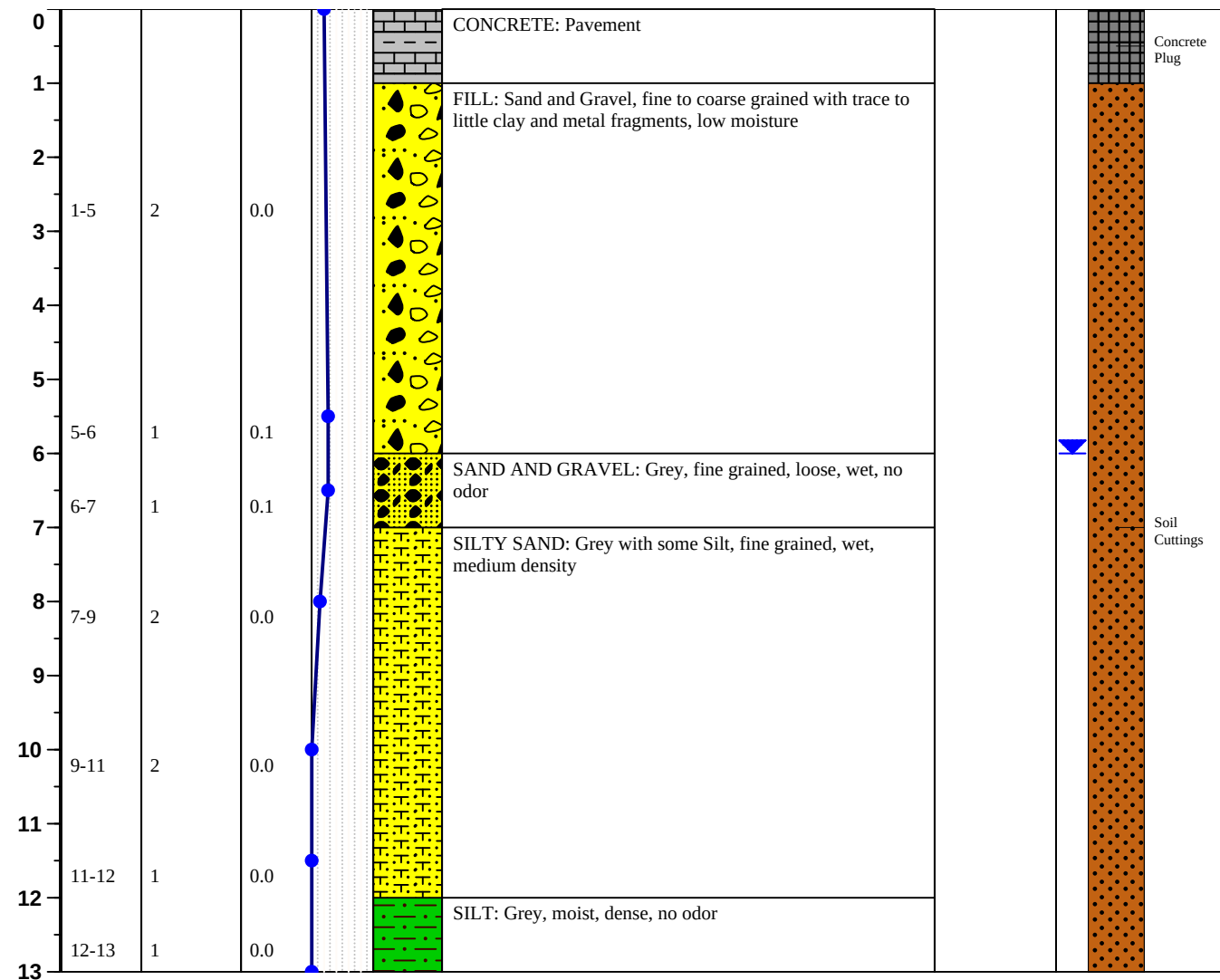
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/3/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/3/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **13.00 fbgs** Depth to Water: **6 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/3/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 0			



Proportions Used:	Notes:	Blow Count Penetration Resistance:	Symbols:
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C)	Apparent Water Level
Little = 10-20%	in. = inches; ft.= feet; ppm.= parts per million	Density (G&S)	Lab Sample Location
Some = 20-35%	Soil Lithologies based on field observations only.	<2 = Very Soft	
And = 35-50%	No Sample Collected	2-4 = Soft	
		4-8 = Medium	
		8-15 = Stiff	
		15-30 = Very Stiff	
		>30 = Hard	
		0-4 = Very Loose	
		4-10 = Loose	
		10-30 = Medium	
		30-50 = Dense	
		50+ = Very Dense	
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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-32**

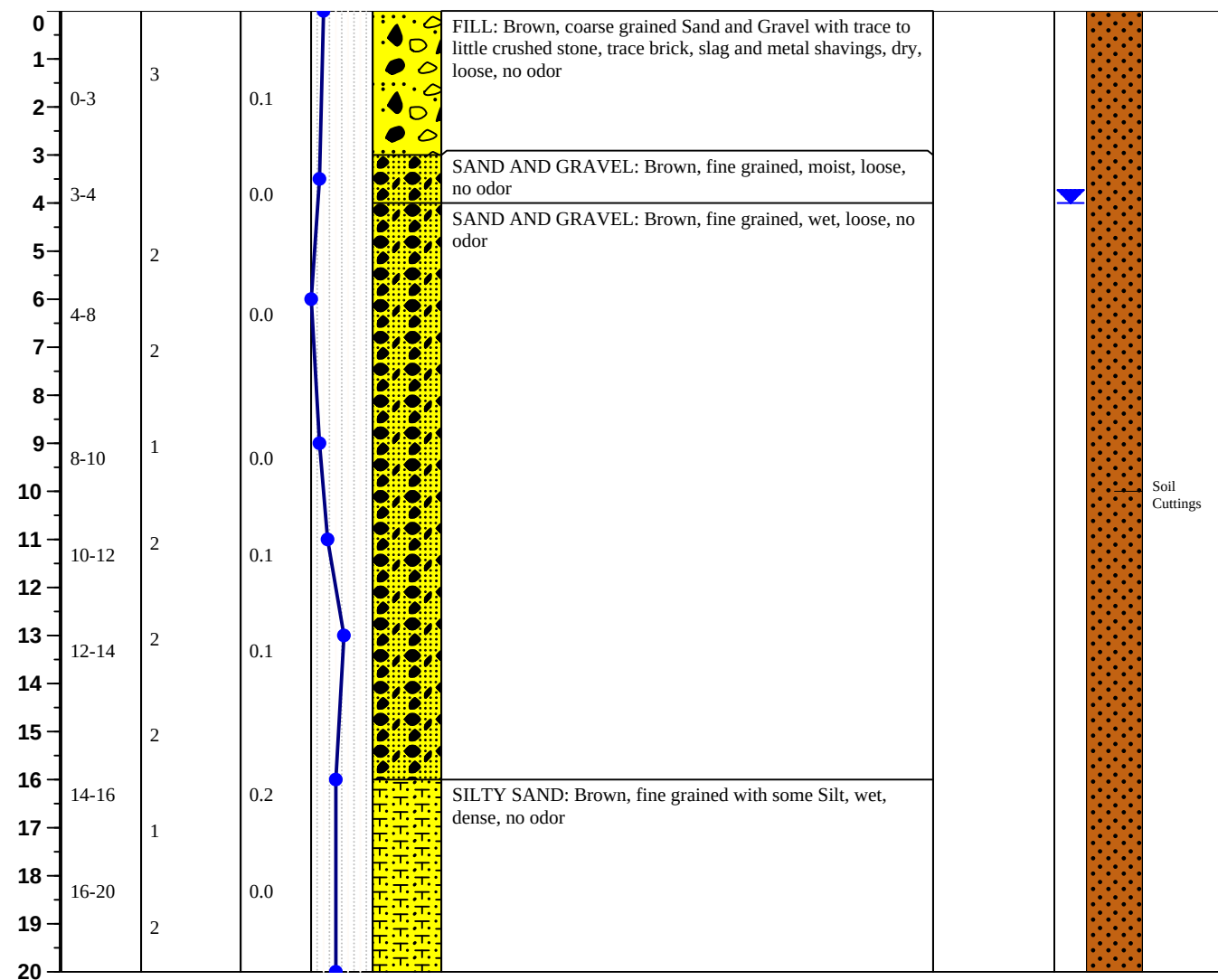
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/25/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/25/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **20 fbgs** Depth to Water: **4 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/25/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 0			



Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. No Sample taken at this location	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S) <2 = Very Soft 0-4 = Very Loose 2-4 = Soft 4-10 = Loose 4-8 = Medium 10-30 = Medium 8-15 = Stiff 30-50 = Dense 15-30 = Very Stiff 50+ = Very Dense >30 = Hard		Symbols: Apparent Water Level
				Lab Sample Location SB-32 p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-33**

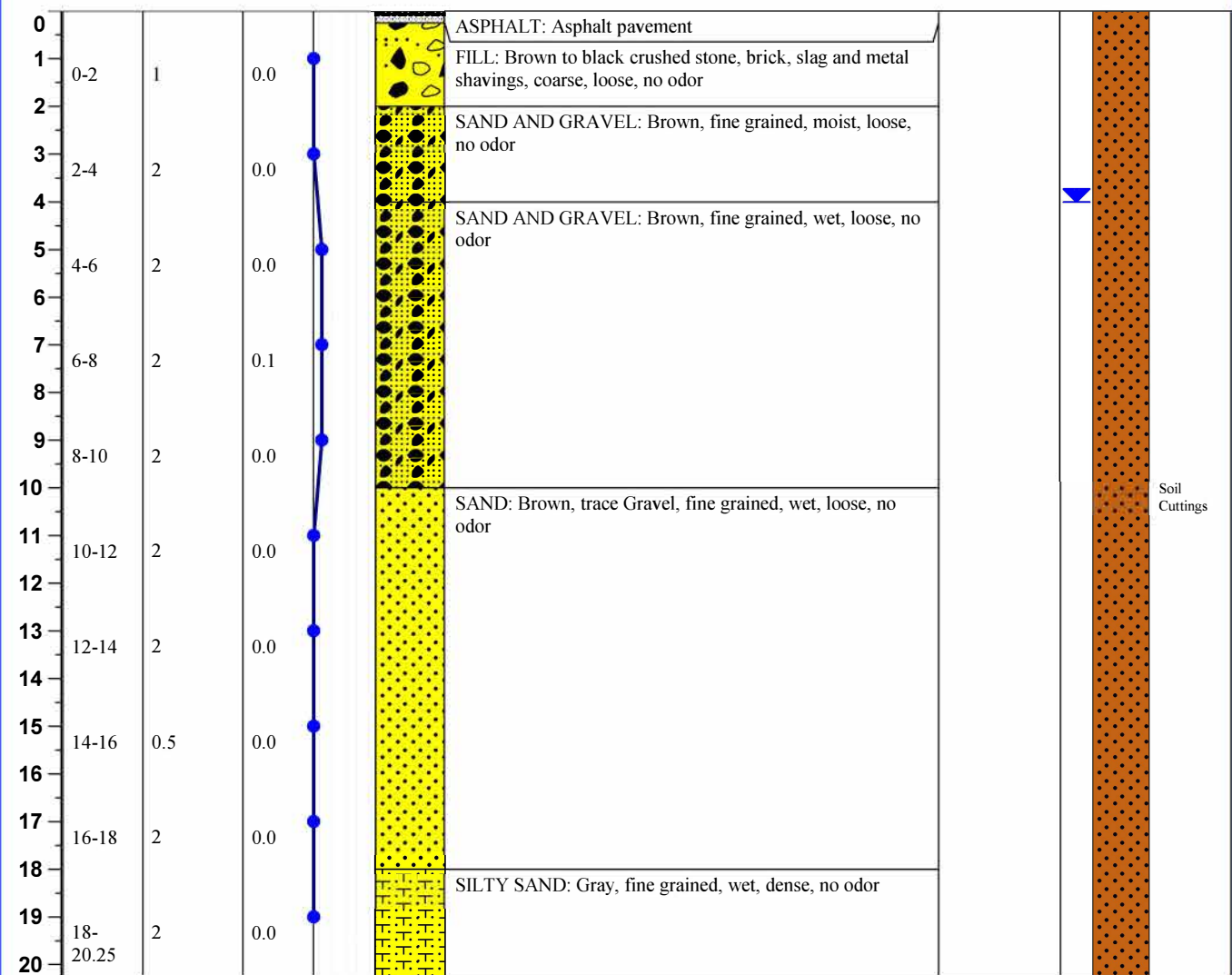
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Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/25/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/25/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **20.25 fbg** Depth to Water: **4 fbg** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/25/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
-----------------	------------------------------	-----------------------	-----------------------	----------------------	----------	-----------------------



Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. No Sample taken at this location	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S) <2 = Very Soft 0-4 = Very Loose 2-4 = Soft 4-10 = Loose 4-8 = Medium 10-30 = Medium 8-15 = Stiff 30-50 = Dense 15-30 = Very Stiff 50+ = Very Dense >30 = Hard		Symbols: Apparent Water Level
				Lab Sample Location SB-33 p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-34**

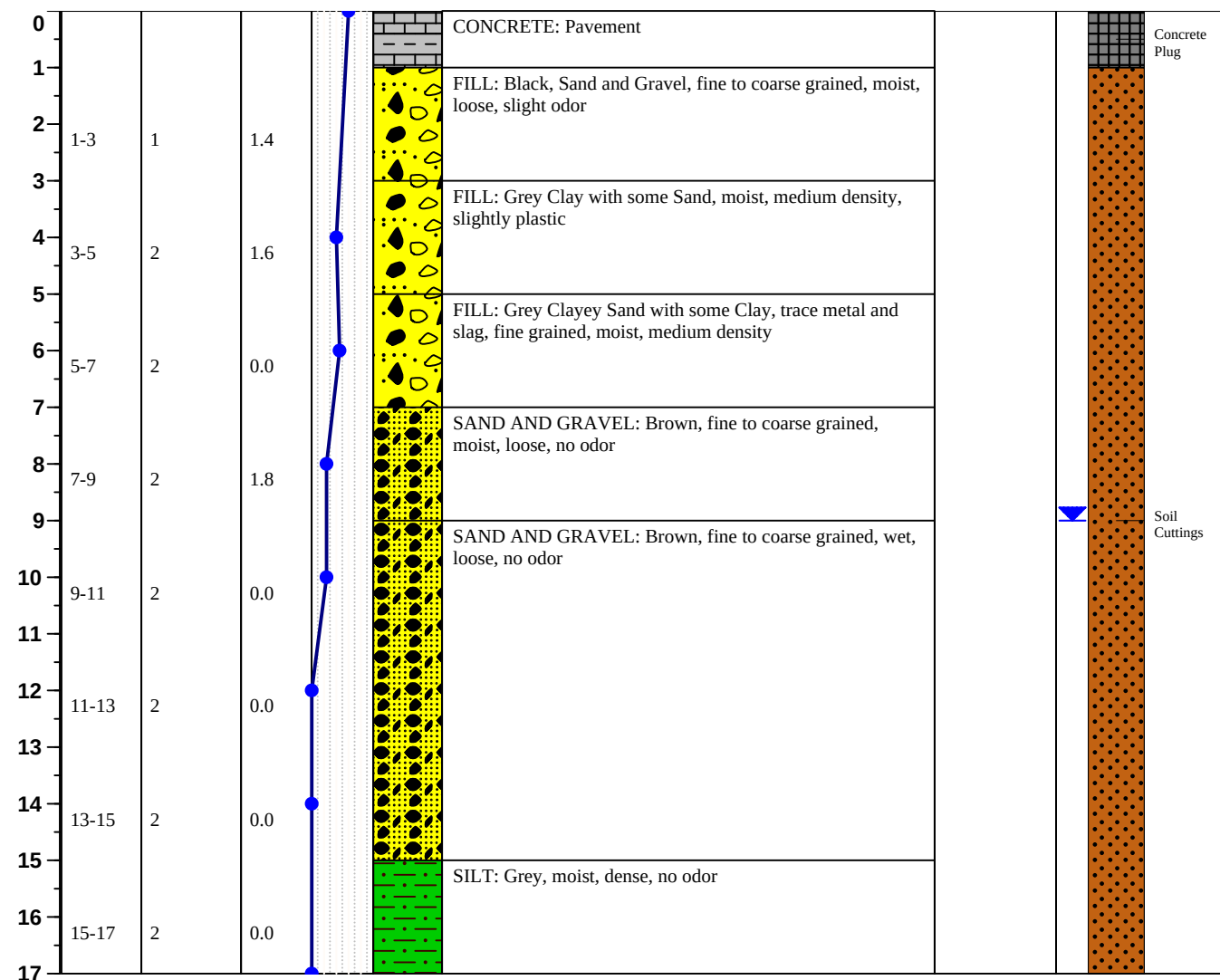
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Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/3/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/3/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **9 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/3/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 3			



<u>Proportions Used:</u>	<u>Notes:</u>	<u>Blow Count Penetration Resistance:</u>		<u>Symbols:</u>
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C) Density (G&S)		Apparent Water Level 
Little = 10-20%	in. = inches; ft.= feet; ppm.= parts per million	<2 = Very Soft	0-4 = Very Loose	Lab Sample Location 
Some = 20-35%	Soil Lithologies based on field observations only.	2-4 = Soft	4-10 = Loose	
And = 35-50%	No Sample Collected	4-8 = Medium	10-30 = Medium	
		8-15 = Stiff	30-50 = Dense	
		15-30 = Very Stiff	50+ = Very Dense	
		>30 = Hard		
				SB-34 p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-35**

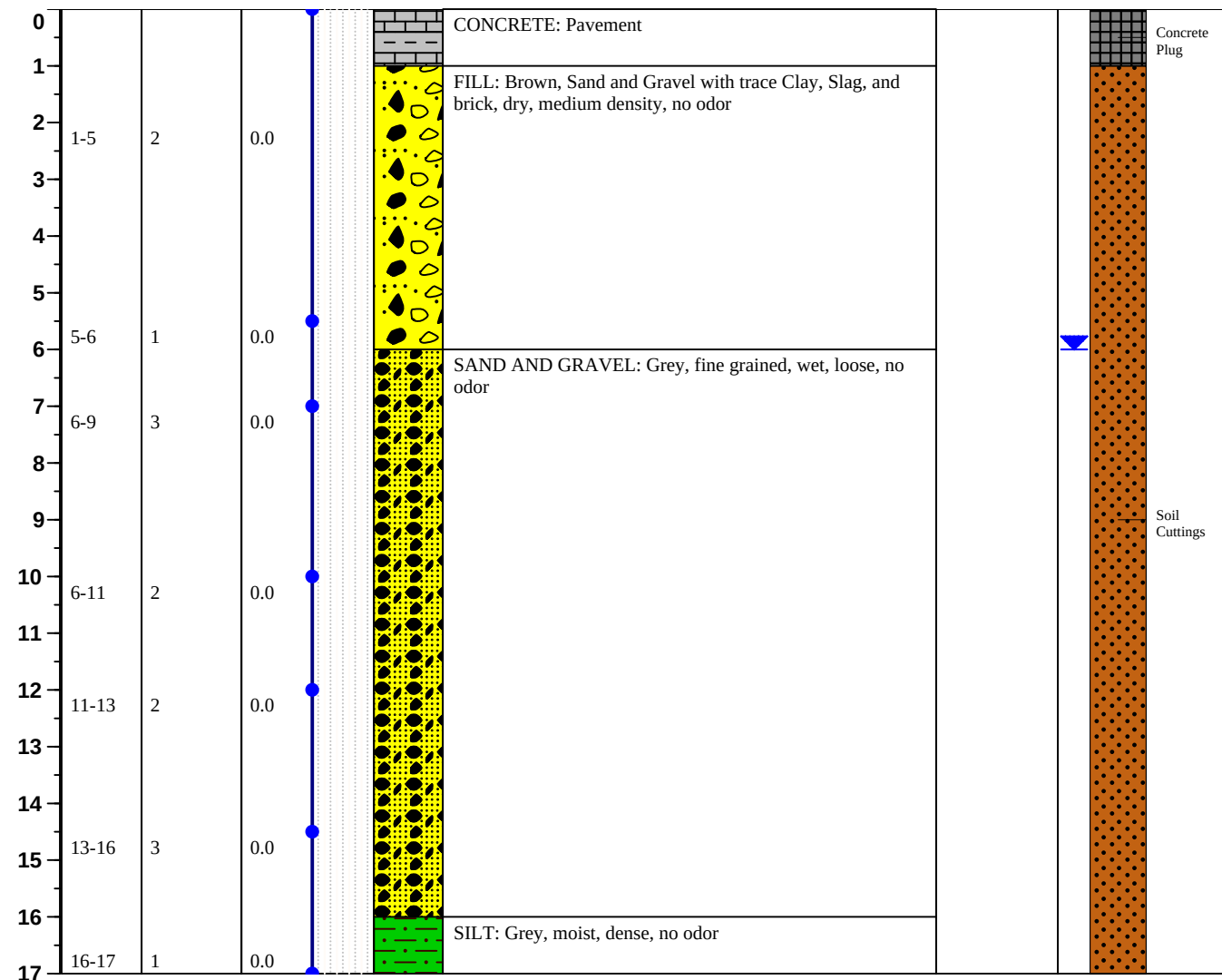
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/3/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/3/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **6 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/3/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 100			



Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 No Sample Collected

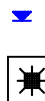
Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level

Lab Sample Location



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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-36**

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Project: **NYSDEC Frewsburg**

Client: **NYSDEC**

Regulatory Case #: **907016**

Address: **300 Falconer Street**

GES Job #: **0901685**

NYSDEC PM: **Maurice Moore**

County: **Chautauqua County**

GES Project Mgr: **Thomas Palmer**

Permit #: **NA**

Logged By: **Peter Zaffram**

Date Drilled: **3/11/20**

Split Spoon/Acetate Sleeve Dia: **2.5 in**

Drilling Company: **Trec Environmental**

Completion Date: **3/11/20**

Split Spoon/Acetate Sleeve Length: **4 feet**

Drill Operator: **Chris Stockmaster**

Drilling Method: **Direct Push**

Soil Classification System: **Modified Burmister**

Drill Rig Type: **Geoprobe 6620 DT**

Sampling Method: **Macrocore**

Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in**

Surface Elevation:

Abandonment Method: **Soil Cuttings**

Total Depth: **20.25 fbg**

Depth to Water: **8 fbg**

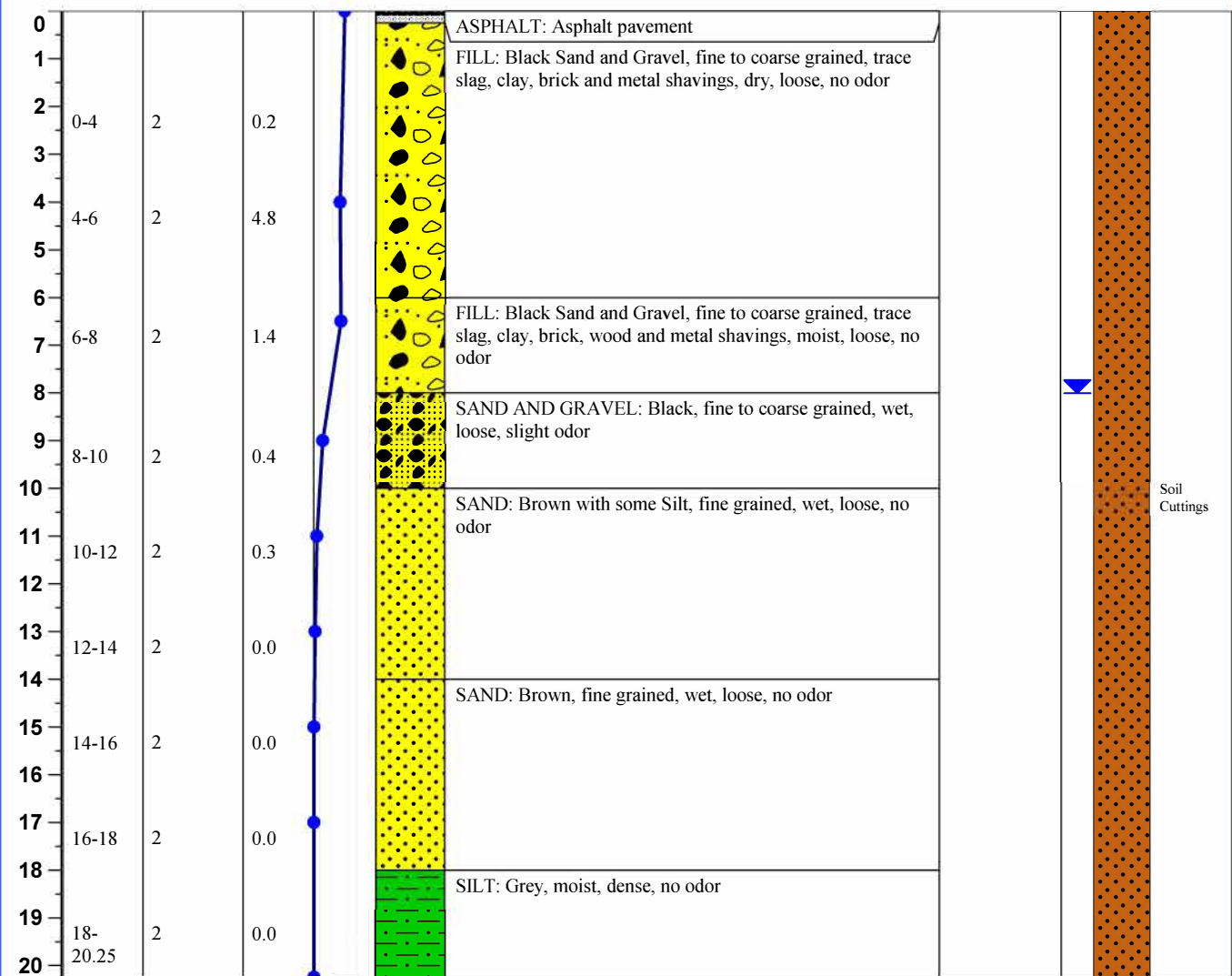
Backfill Material: **Soil Cuttings**

Refusal Depth: **NA**

Well Diameter: **NA**

Abandonment Completion Date: **3/11/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
-----------------	------------------------------	-----------------------	-----------------------	----------------------	----------	-----------------------



Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. No Sample Collected	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S) <2 = Very Soft 0-4 = Very Loose 2-4 = Soft 4-10 = Loose 4-8 = Medium 10-30 = Medium 8-15 = Stiff 30-50 = Dense 15-30 = Very Stiff 50+ = Very Dense >30 = Hard		Symbols: Apparent Water Level
		Lab Sample Location		SB-36 p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-37**

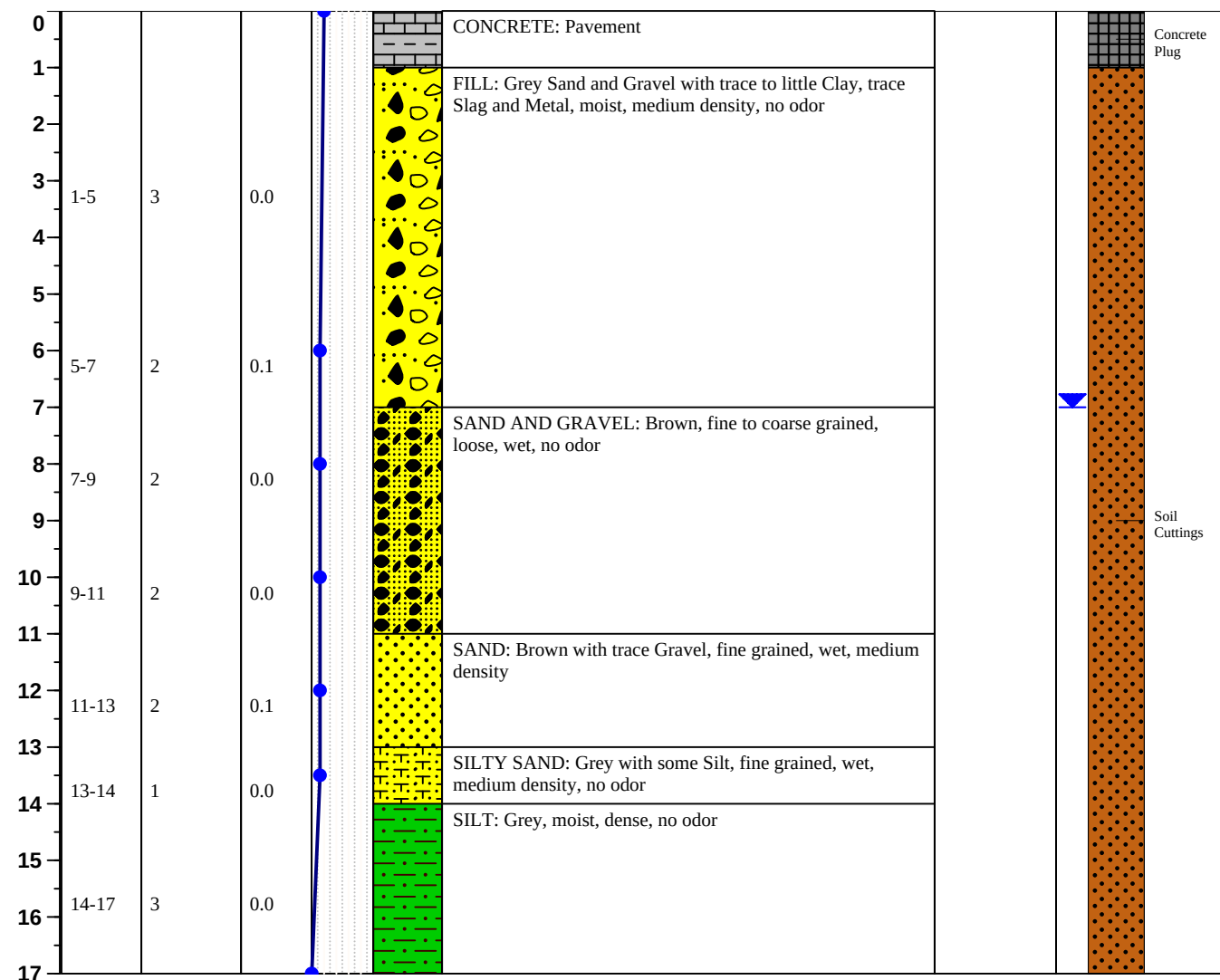
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/3/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/3/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **7 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/3/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 0			



Proportions Used:	Notes:	Blow Count Penetration Resistance:		Symbols:
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C) Density (G&S)		Apparent Water Level 
Little = 10-20%	in. = inches; ft.= feet; ppm.= parts per million	<2 = Very Soft	0-4 = Very Loose	Lab Sample Location 
Some = 20-35%	Soil Lithologies based on field observations only.	2-4 = Soft	4-10 = Loose	
And = 35-50%	No Sample Collected	4-8 = Medium	10-30 = Medium	
		8-15 = Stiff	30-50 = Dense	
		15-30 = Very Stiff	50+ = Very Dense	SB-37 p. 1 of 1
		>30 = Hard		



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-38**

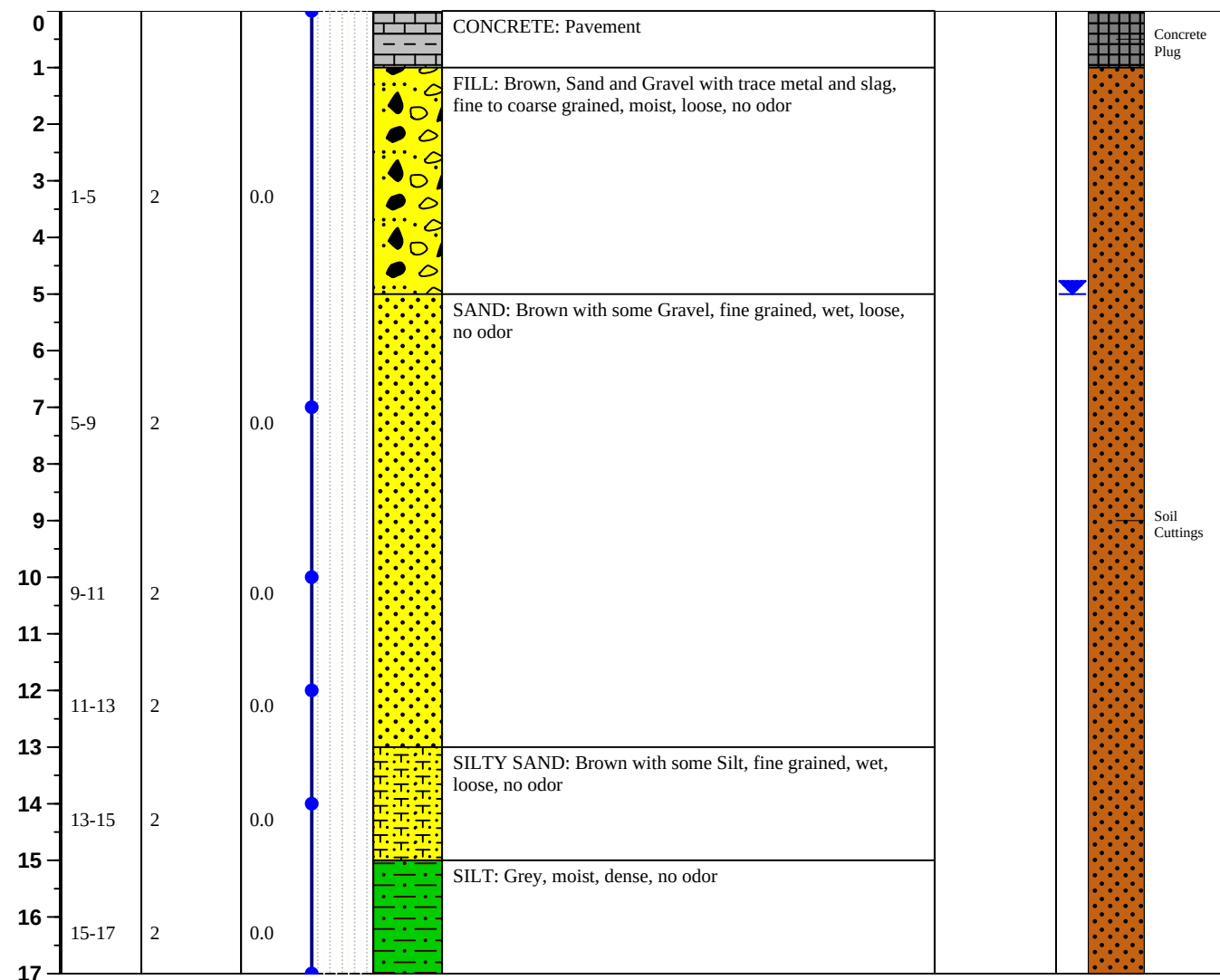
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/3/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/3/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **5 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/3/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 100			



Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 No Sample Collected

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level



Lab Sample Location



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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-39**

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Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/25/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/25/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **16.25 fbg** Depth to Water: **4 fbg** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/25/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
0	0-1	1	0.0	ASPHALT: Asphalt pavement		
1				FILL: Brown to black crushed stone with trace blue slag and metal shavings, dry, loose		
2	1-2	1	0.0	SAND: Brown, fine grained, moist, loose, no odor		
3	2-4	2	0.0			
4				SAND: Brown with some Gravel, fine grained, wet, loose, no odor		
5	4-6	2	0.0			
6						
7	6-8	2	0.0			
8						
9	8-10	2	0.0			
10						
11	10-12	2	0.0			
12						
13	12-14	2	0.0			
14				SAND: Brown, fine grained, wet, loose		
15	14-15	2	0.0			
16	15-16	2	0.0	SILTY SAND: Grey brown, wet, dense, no odor		

<u>Proportions Used:</u>	<u>Notes:</u>	<u>Blow Count Penetration Resistance:</u>		<u>Symbols:</u>
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C) Density (G&S)		Apparent Water Level 
Little = 10-20%	in. = inches; ft.= feet; ppm.= parts per million	<2 = Very Soft	0-4 = Very Loose	Lab Sample Location 
Some = 20-35%	Soil Lithologies based on field observations only.	2-4 = Soft	4-10 = Loose	
And = 35-50%	No Sample Collected	4-8 = Medium	10-30 = Medium	
		8-15 = Stiff	30-50 = Dense	
		15-30 = Very Stiff	50> = Very Dense	SB-39 p. 1 of 1
		>30 = Hard		



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-40**

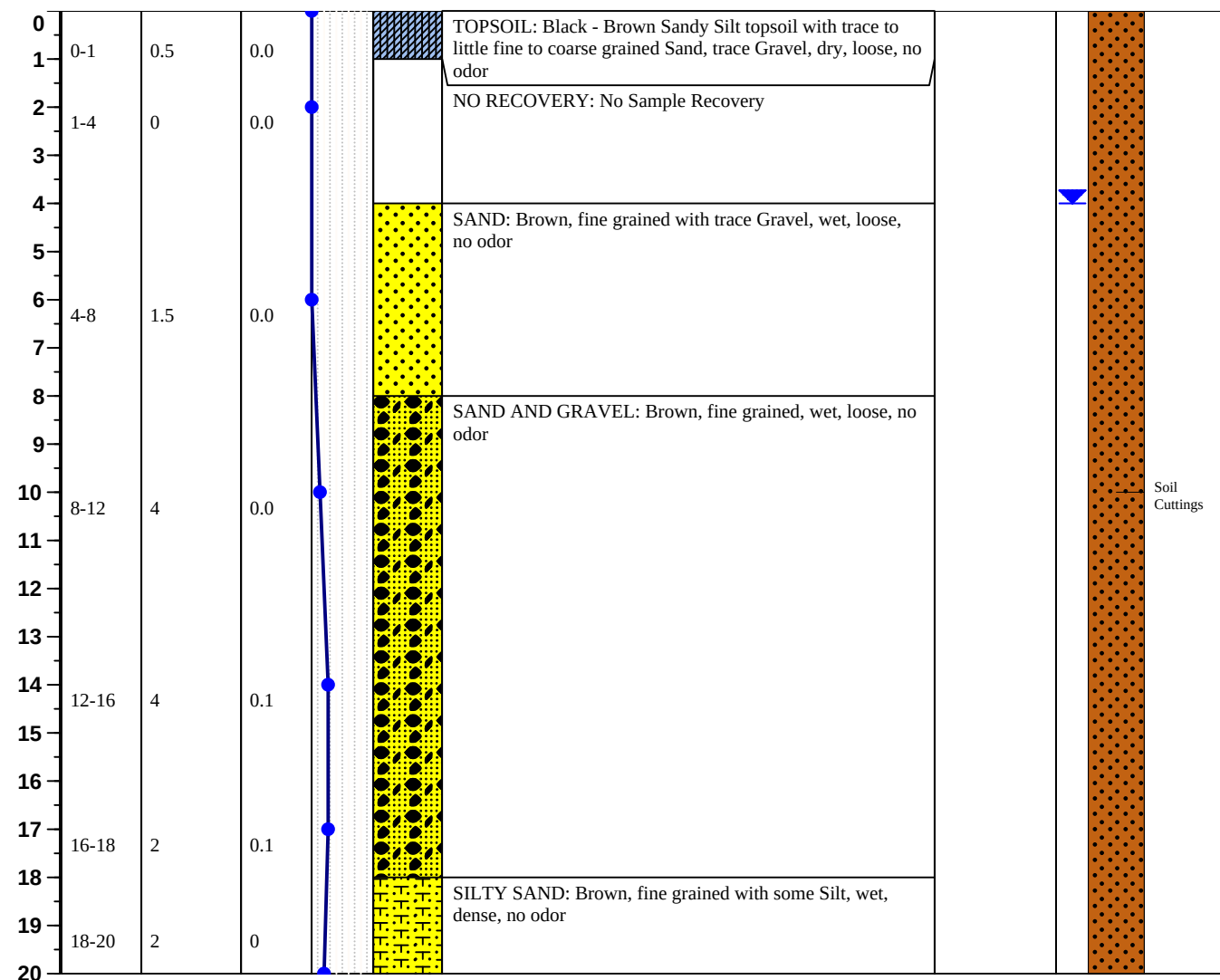
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/24/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/24/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **20 fbgs** Depth to Water: **4 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/24/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 0			



Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 No Sample taken at this location

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level



Lab Sample Location



SB-40

p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-41**

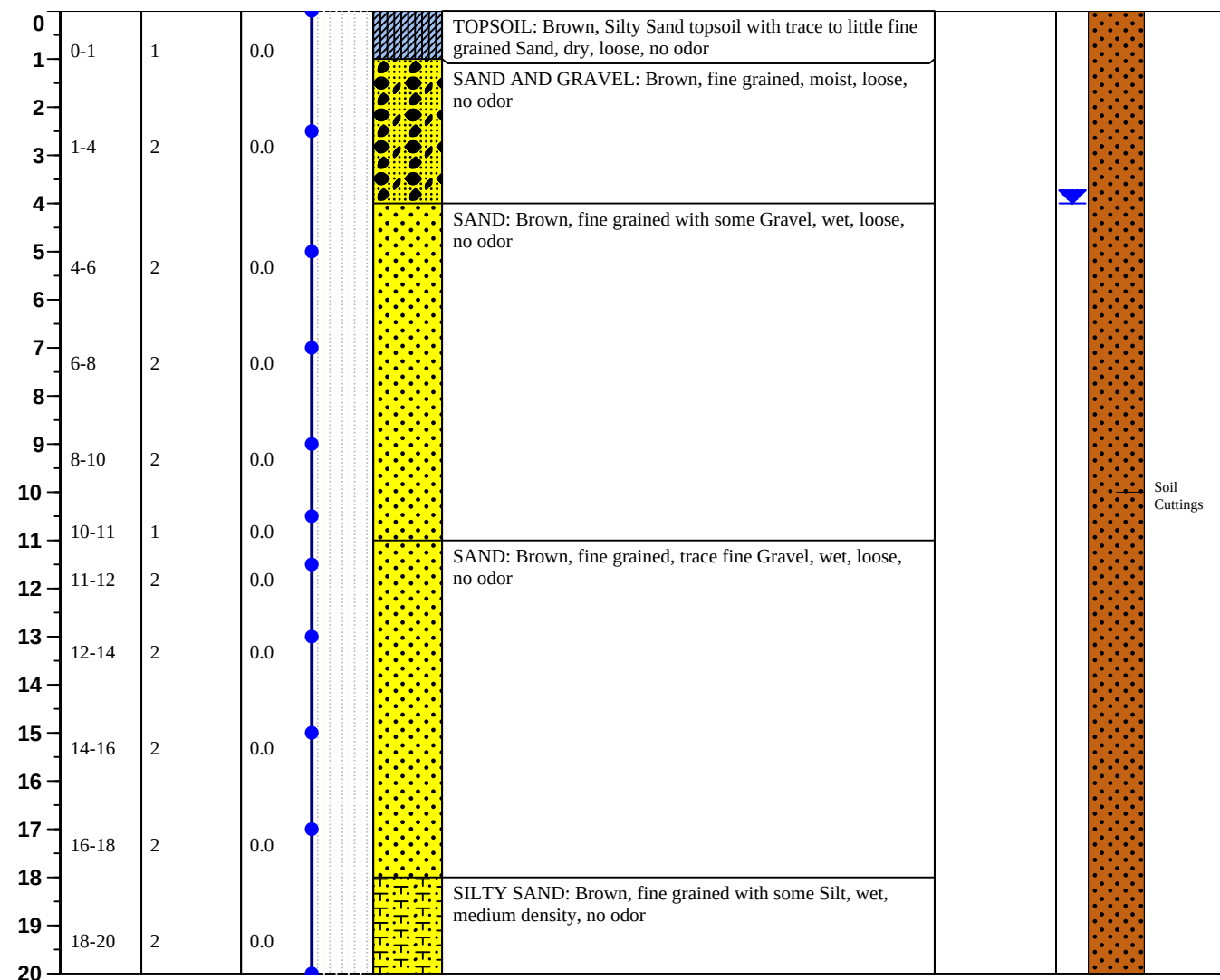
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/24/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/24/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **20 fbg** Depth to Water: **4 fbg** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/24/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
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Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 No Sample taken at this location

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level



Lab Sample Location



SB-41

p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-42**

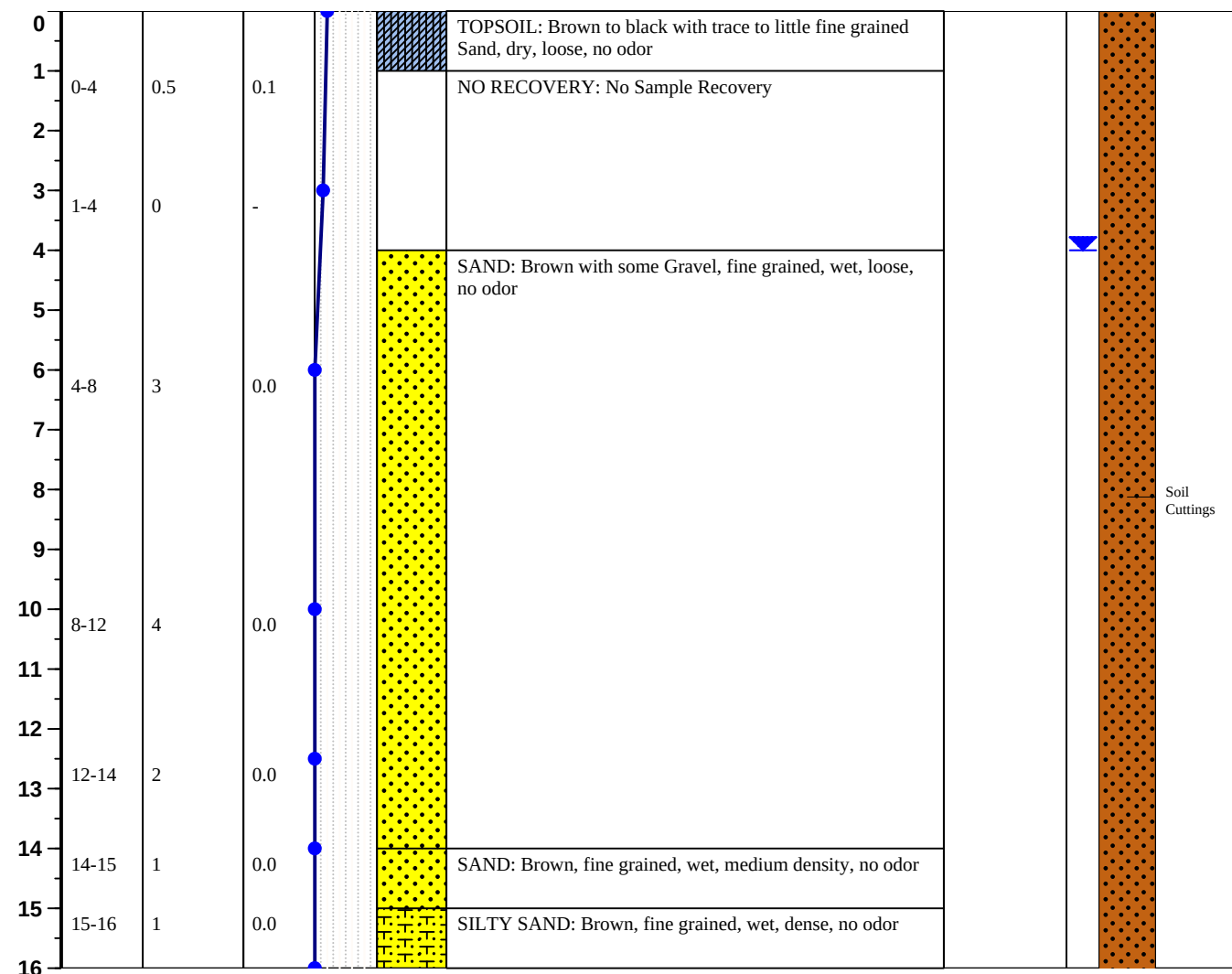
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/24/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/24/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **16.00 fbgs** Depth to Water: **4 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/24/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 0 0			



Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. No Sample Collected	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S)		Symbols: Apparent Water Level Lab Sample Location
		<2 = Very Soft 2-4 = Soft 4-8 = Medium 8-15 = Stiff 15-30 = Very Stiff >30 = Hard	0-4 = Very Loose 4-10 = Loose 10-30 = Medium 30-50 = Dense 50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-43**

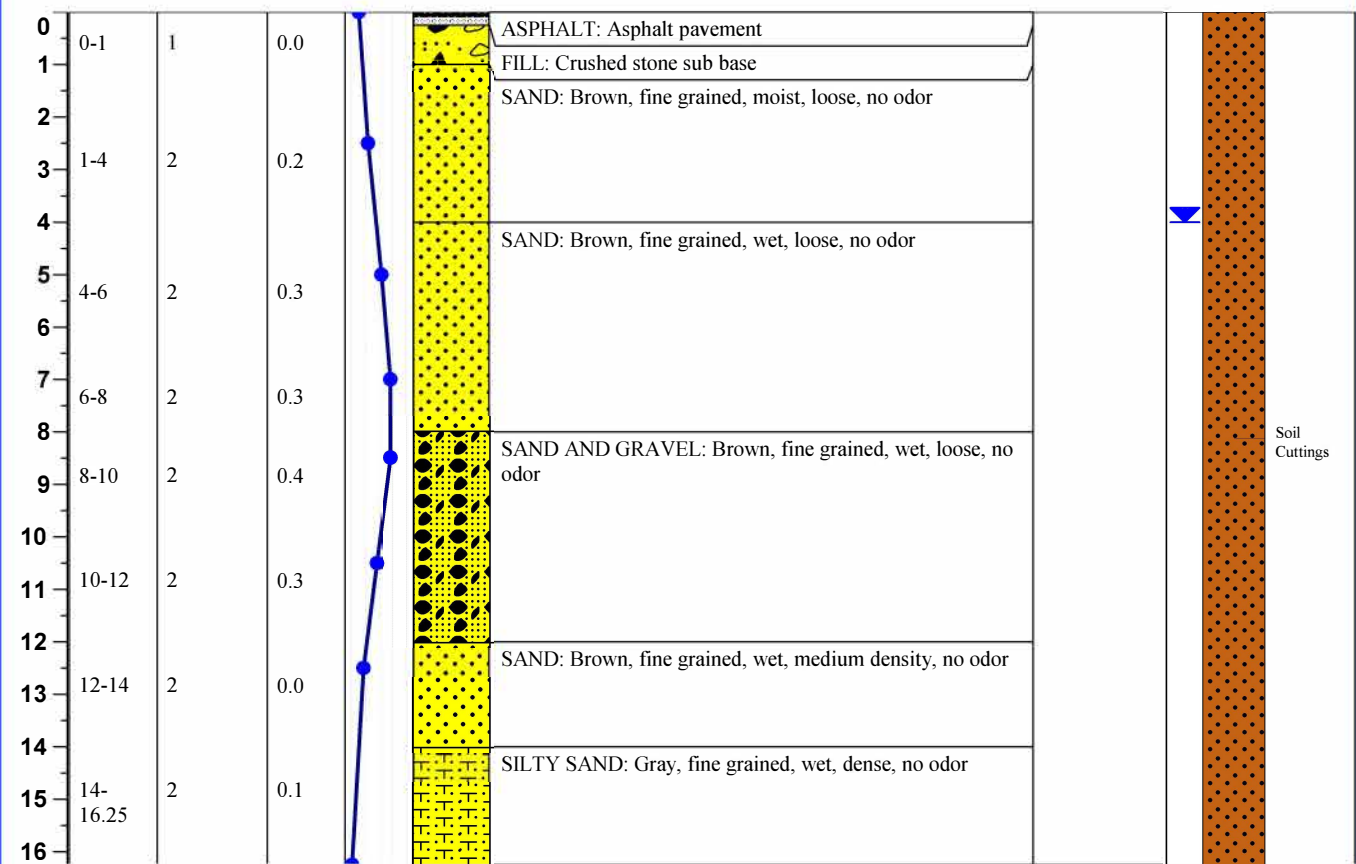
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/24/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/24/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **16.25 fbgs** Depth to Water: **4 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/24/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
-----------------	------------------------------	-----------------------	-----------------------	----------------------	----------	-----------------------



<u>Proportions Used:</u>	<u>Notes:</u>	<u>Blow Count Penetration Resistance:</u>		<u>Symbols:</u>
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C) Density (G&S)		Apparent Water Level 
Little = 10-20%	in. = inches; ft.= feet; ppm.= parts per million	<2 = Very Soft	0-4 = Very Loose	Lab Sample Location 
Some = 20-35%	Soil Lithologies based on field observations only.	2-4 = Soft	4-10 = Loose	
		4-8 = Medium	10-30 = Medium	
		8-15 = Stiff	30-50 = Dense	
And = 35-50%	No Sample Collected	15-30 = Very Stiff	50-100 = Very Dense	
		>30 = Hard		
				SB-43 p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-44**

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Project: **NYSDEC Frewsburg**

Client: **NYSDEC**

Regulatory Case #: **907016**

Address: **300 Falconer Street**

GES Job #: **0901685**

NYSDEC PM: **Maurice Moore**

County: **Chautauqua County**

GES Project Mgr: **Thomas Palmer**

Permit #: **NA**

Logged By: **Peter Zaffram**

Date Drilled: **3/11/20**

Split Spoon/Acetate Sleeve Dia: **2.5 in**

Drilling Company: **Trec Environmental**

Completion Date: **3/11/20**

Split Spoon/Acetate Sleeve Length: **4 feet**

Drill Operator: **Chris Stockmaster**

Drilling Method: **Direct Push**

Soil Classification System: **Modified Burmister**

Drill Rig Type: **Geoprobe 6620 DT**

Sampling Method: **Macrocore**

Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in**

Surface Elevation:

Abandonment Method: **Soil Cuttings**

Total Depth: **16.00 fbgs**

Depth to Water: **6 fbgs**

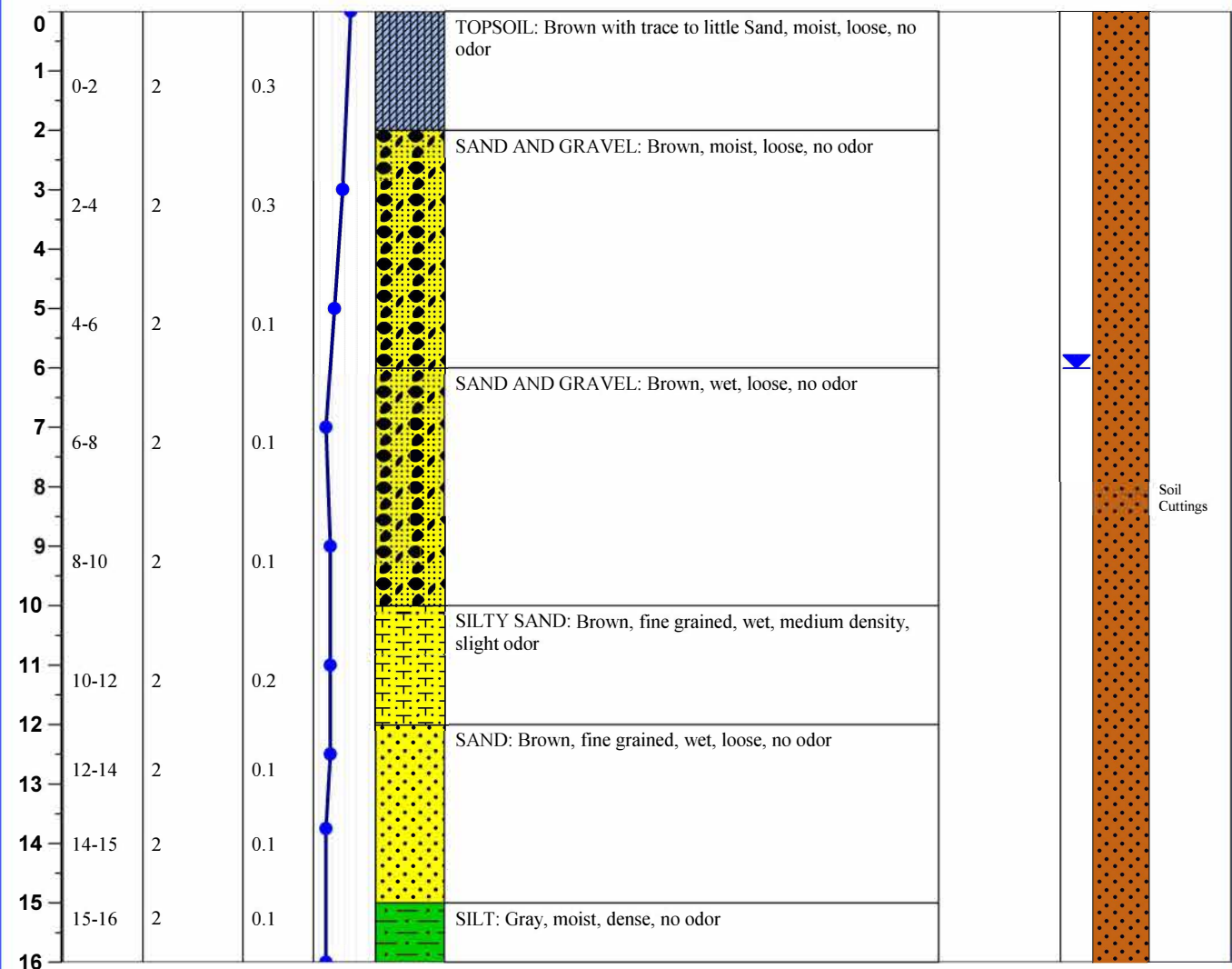
Backfill Material: **Soil Cuttings**

Refusal Depth: **NA**

Well Diameter: **NA**

Abandonment Completion Date: **3/11/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
-----------------	------------------------------	-----------------------	-----------------------	----------------------	----------	-----------------------



Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. No Sample Collected	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S)		Symbols: Apparent Water Level Lab Sample Location
		<2 = Very Soft 2-4 = Soft 4-8 = Medium 8-15 = Stiff 15-30 = Very Stiff >30 = Hard	0-4 = Very Loose 4-10 = Loose 10-30 = Medium 30-50 = Dense 50+ = Very Dense	

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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-45**

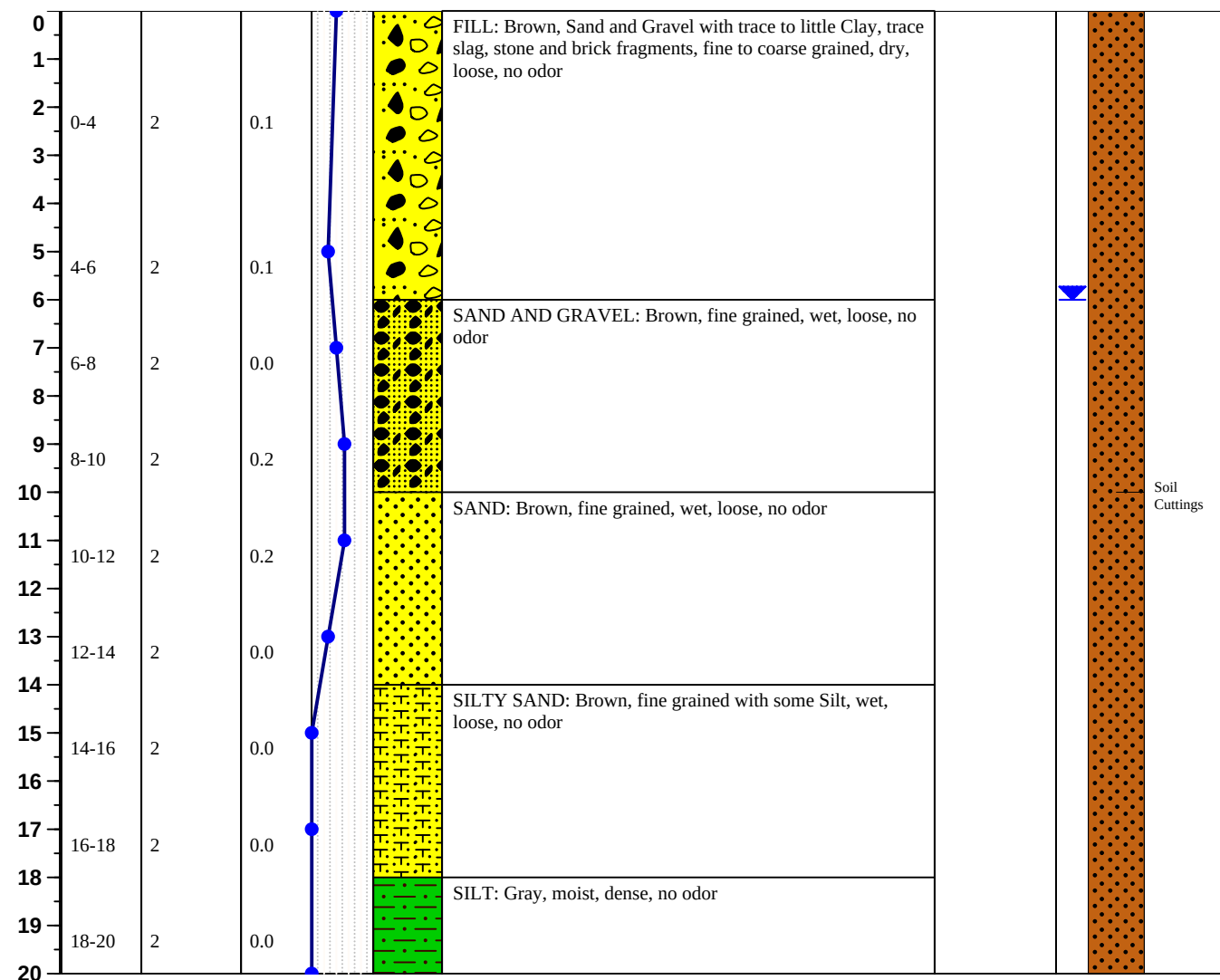
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Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/11/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/11/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **20.00 fbgs** Depth to Water: **6 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/11/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 0			



Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 No Sample Collected

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level

Lab Sample Location



SB-45

p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-46**

Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/26/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/26/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **18 fbgs** Depth to Water: **0 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/26/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
0						
1						
2	0-4	2	0.0	SAND AND GRAVEL: Brown, fine grained, wet, loose, no odor		
3						
4						
5	4-6	2	0.0			
6						
7	6-8	2	0.0	SAND: Brown, fine grained with trace Gravel, wet, loose, no odor		
8						
9	8-10	2	0.0			
10						
11	10-12	2	0.0			
12						
13	12-14	2	0.0			
14						
15	14-16	2	0.0			
16						
17	16-18	2	0.0	SILT: Gray, wet, dense, no odor		
18						

Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 No Sample taken at this location

Blow Count Penetration Resistance:

Consistency (M&C)

<2 = Very Soft
 2-4 = Soft
 4-8 = Medium
 8-15 = Stiff
 15-30 = Very Stiff
 >30 = Hard

Density (G&S)

0-4 = Very Loose
 4-10 = Loose
 10-30 = Medium
 30-50 = Dense
 50+ = Very Dense

Symbols:

Apparent Water Level



Lab Sample Location



SB-46

p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R1**

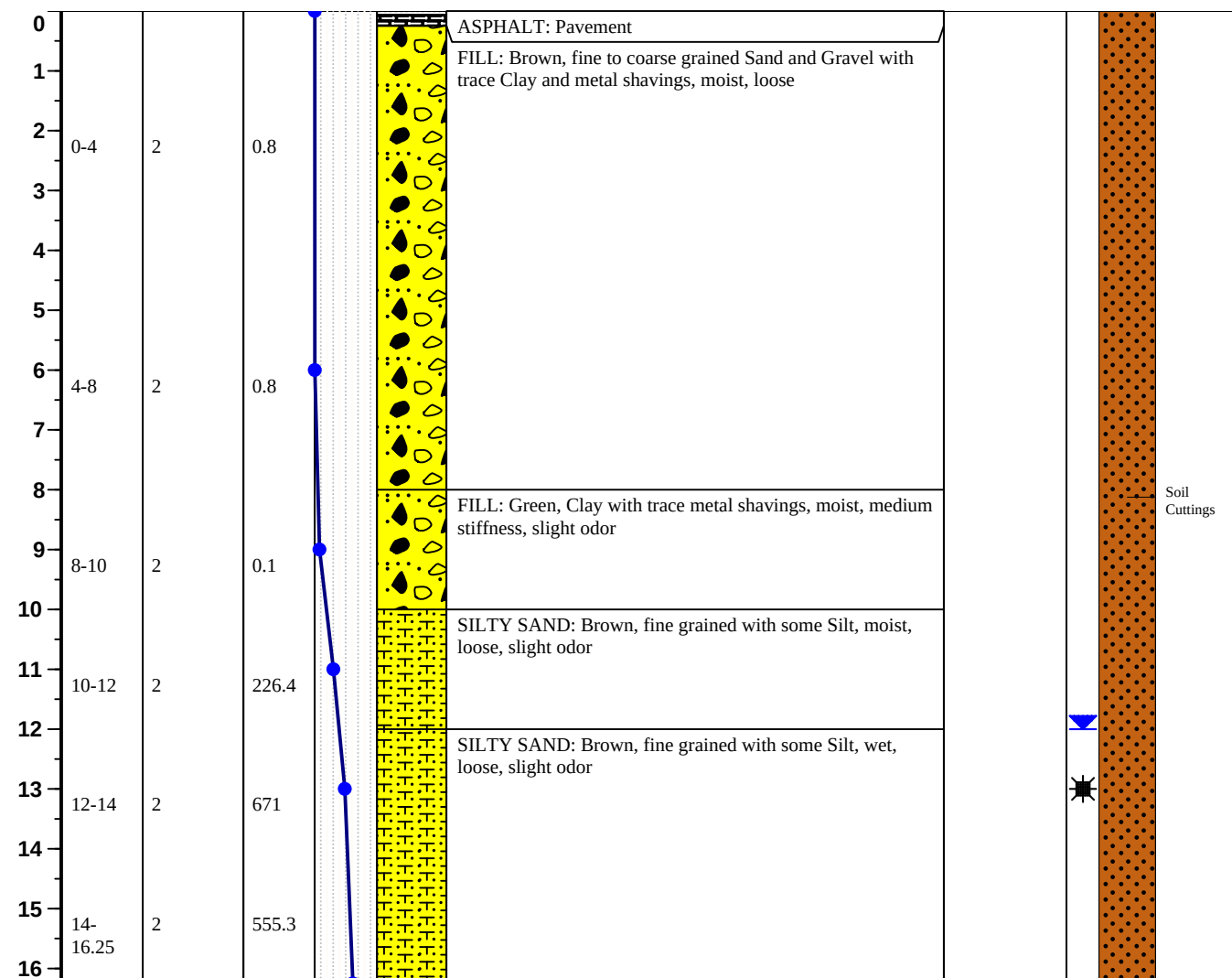
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/10/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/10/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **16.25 fbgs** Depth to Water: **12 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/10/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
-----------------	------------------------------	-----------------------	-----------------------	----------------------	----------	-----------------------



Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. Sample Collected from 12-14 fbgs	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S)		Symbols: Apparent Water Level Lab Sample Location
		<2 = Very Soft 2-4 = Soft 4-8 = Medium 8-15 = Stiff 15-30 = Very Stiff >30 = Hard	0-4 = Very Loose 4-10 = Loose 10-30 = Medium 30-50 = Dense 50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R3**

Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/10/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/10/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **16.00 fbgs** Depth to Water: **12 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/10/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
0						
1						
2	0-4	3	0.8	FILL: Brown, Sand and Gravel, fine to coarse grained, trace Clay, slag, brick and metal shavings, moist, loose		
3						
4						
5	4-6	2	1.0	FILL: Brown, Silt and Sand, fine grained, moist, loose		
6						
7	6-8	2	0.7	SAND: Brown, fine grained, trace Gravel, moist, loose, no odor		
8						
9	8-10	2	13.4	SANDY CLAY: Grey, mottled, moist, medium stiffness		
10						
11	10-12	2	101.7		Sheen present 10-12 feet	
12						
13	12-14	2	2.4	SILTY SAND: Brown, fine grained, wet, loose, no odor		
14						
15	14-16	2	24.7	SILTY SAND: Gray, fine grained, wet, loose, no odor		
16						

Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. Sample Collected 10-12 fbgs	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S)		Symbols: Apparent Water Level Lab Sample Location
		<2 = Very Soft 2-4 = Soft 4-8 = Medium 8-15 = Stiff 15-30 = Very Stiff >30 = Hard	0-4 = Very Loose 4-10 = Loose 10-30 = Medium 30-50 = Dense 50+ = Very Dense	

SB-R3

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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R4**

Page 1 of 1

Project: **NYSDEC Frewsburg**

Client: **NYSDEC**

Regulatory Case #: **907016**

Address: **300 Falconer Street**

GES Job #: **0901685**

NYSDEC PM: **Maurice Moore**

County: **Chautauqua County**

GES Project Mgr: **Thomas Palmer**

Permit #: **NA**

Logged By: **Peter Zaffram**

Date Drilled: **3/9/20**

Split Spoon/Acetate Sleeve Dia: **2.5 in**

Drilling Company: **Trec Environmental**

Completion Date: **3/9/20**

Split Spoon/Acetate Sleeve Length: **4 feet**

Drill Operator: **Chris Stockmaster**

Drilling Method: **Direct Push**

Soil Classification System: **Modified Burmister**

Drill Rig Type: **Geoprobe 6620 DT**

Sampling Method: **Macrocore**

Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in**

Surface Elevation:

Abandonment Method: **Soil Cuttings**

Total Depth: **20.25 fbg**

Depth to Water: **8 fbg**

Backfill Material: **Soil Cuttings**

Refusal Depth: **NA**

Well Diameter: **NA**

Abandonment Completion Date: **3/9/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
0				ASPHALT: Asphalt pavement		
1				FILL: Black Sand and Gravel, fine to coarse grained, trace slag, clay, brick and metal shavings, dry, loose, no odor		
2	0-4	4	2.8			
3						
4						
5	4-8	4	1.1			
6						
7						
8				FILL: Black Sand and Gravel, fine to coarse grained, trace slag, clay, brick, wood and metal shavings, wet, loose, no odor		
9	8-10	2	1.0			
10				SILTY SAND: Grey, fine grained, wet, medium density, no odor		
11	10-12	2	12.7			
12						
13	12-14	2	180.7			
14				SANDY SILT: Grey, fine grained, moist, medium density, no odor		
15	14-16	2	17.4			
16						
17	16-17	1	3.6			
18				SILT: Grey, moist, dense, no odor		
19	17-20.25	3	1.1			
20						

Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
in. = inches; ft. = feet; ppm. = parts per million
Soil Lithologies based on field observations only.
Sample Collected from 12-14 fbg

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level

Lab Sample Location

SB-R4

p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R5**

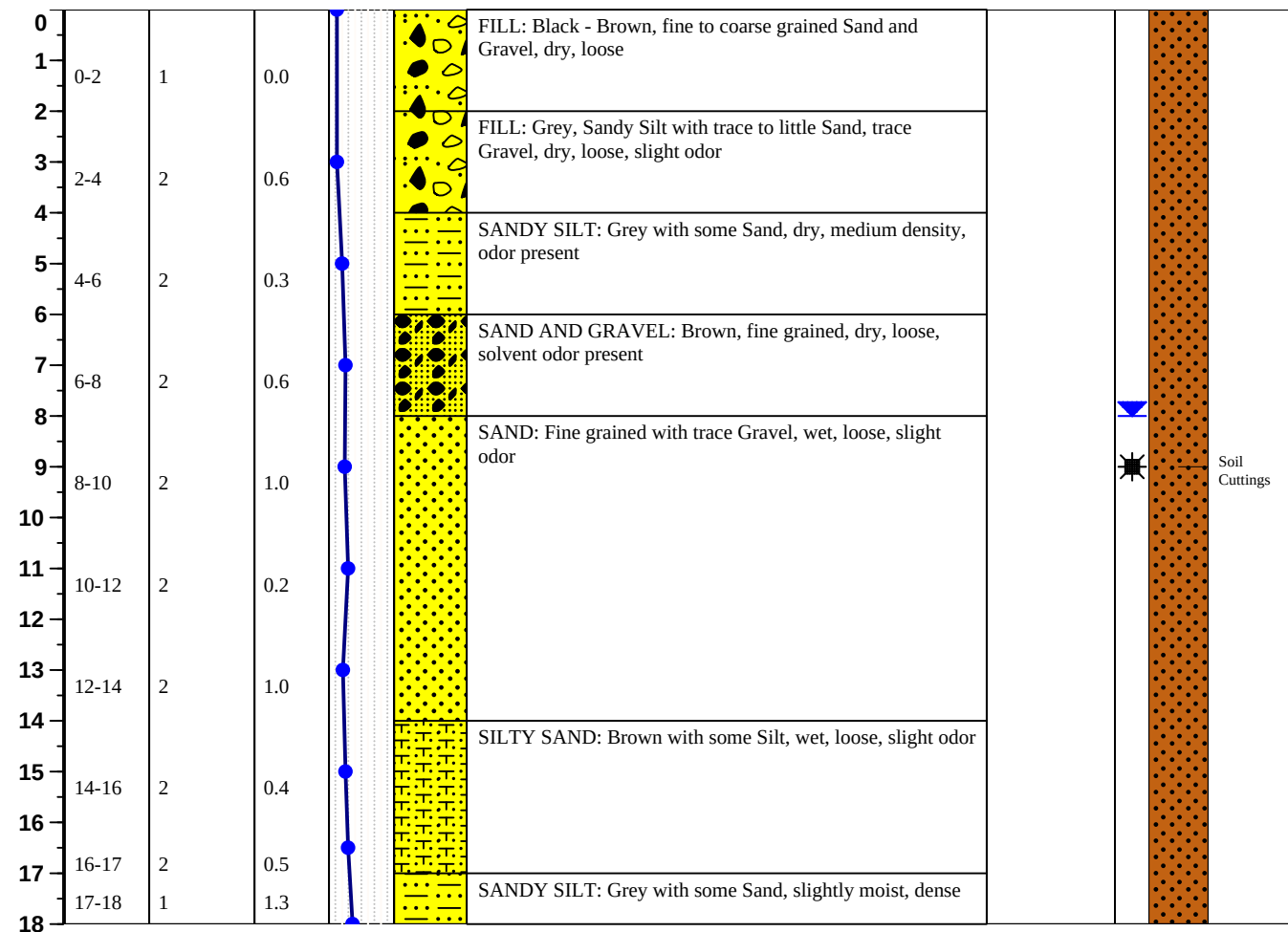
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/26/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/26/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **18 fbgs** Depth to Water: **8 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/26/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 3			



Proportions Used:	Notes:	Blow Count Penetration Resistance:	Symbols:
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C)	Apparent Water Level
Little = 10-20%	in. = inches; ft. = feet; ppm. = parts per million	Density (G&S)	Lab Sample Location
Some = 20-35%	Soil Lithologies based on field observations only.	<2 = Very Soft	
And = 35-50%	Sample taken 8-10 fbgs	2-4 = Soft	
		4-8 = Medium	
		8-15 = Stiff	
		15-30 = Very Stiff	
		>30 = Hard	
		0-4 = Very Loose	
		4-10 = Loose	
		10-30 = Medium	
		30-50 = Dense	
		50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R6**

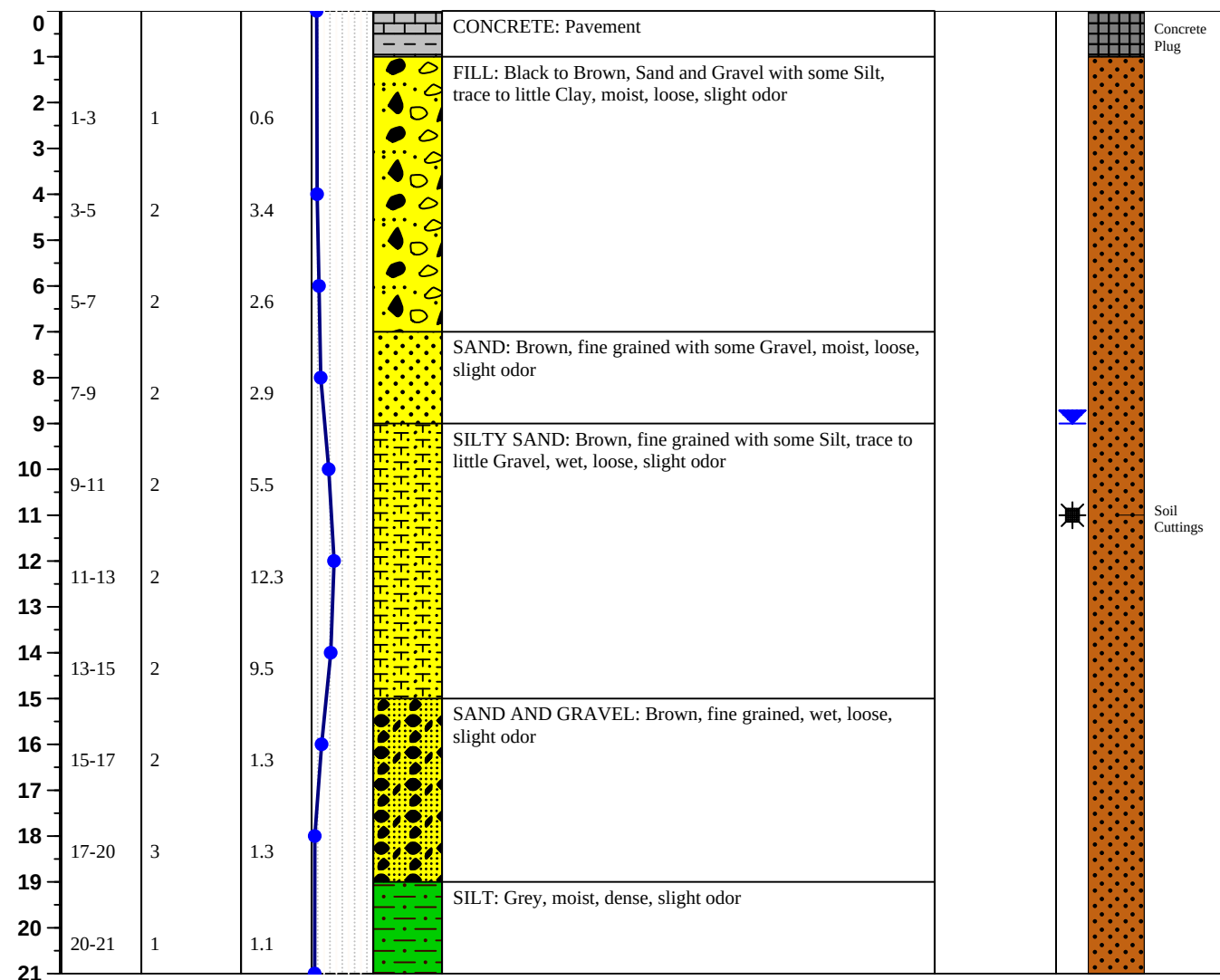
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/5/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/5/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **21.00 fbgs** Depth to Water: **9 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/5/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 25			



Proportions Used:	Notes:	Blow Count Penetration Resistance:	Symbols:
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C)	Apparent Water Level
Little = 10-20%	in. = inches; ft. = feet; ppm. = parts per million	Density (G&S)	Lab Sample Location
Some = 20-35%	Soil Lithologies based on field observations only.	<2 = Very Soft	
And = 35-50%	Sample Collected from 10-12 fbgs	2-4 = Soft	
		4-8 = Medium	
		8-15 = Stiff	
		15-30 = Very Stiff	
		>30 = Hard	
		0-4 = Very Loose	
		4-10 = Loose	
		10-30 = Medium	
		30-50 = Dense	
		50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R7**

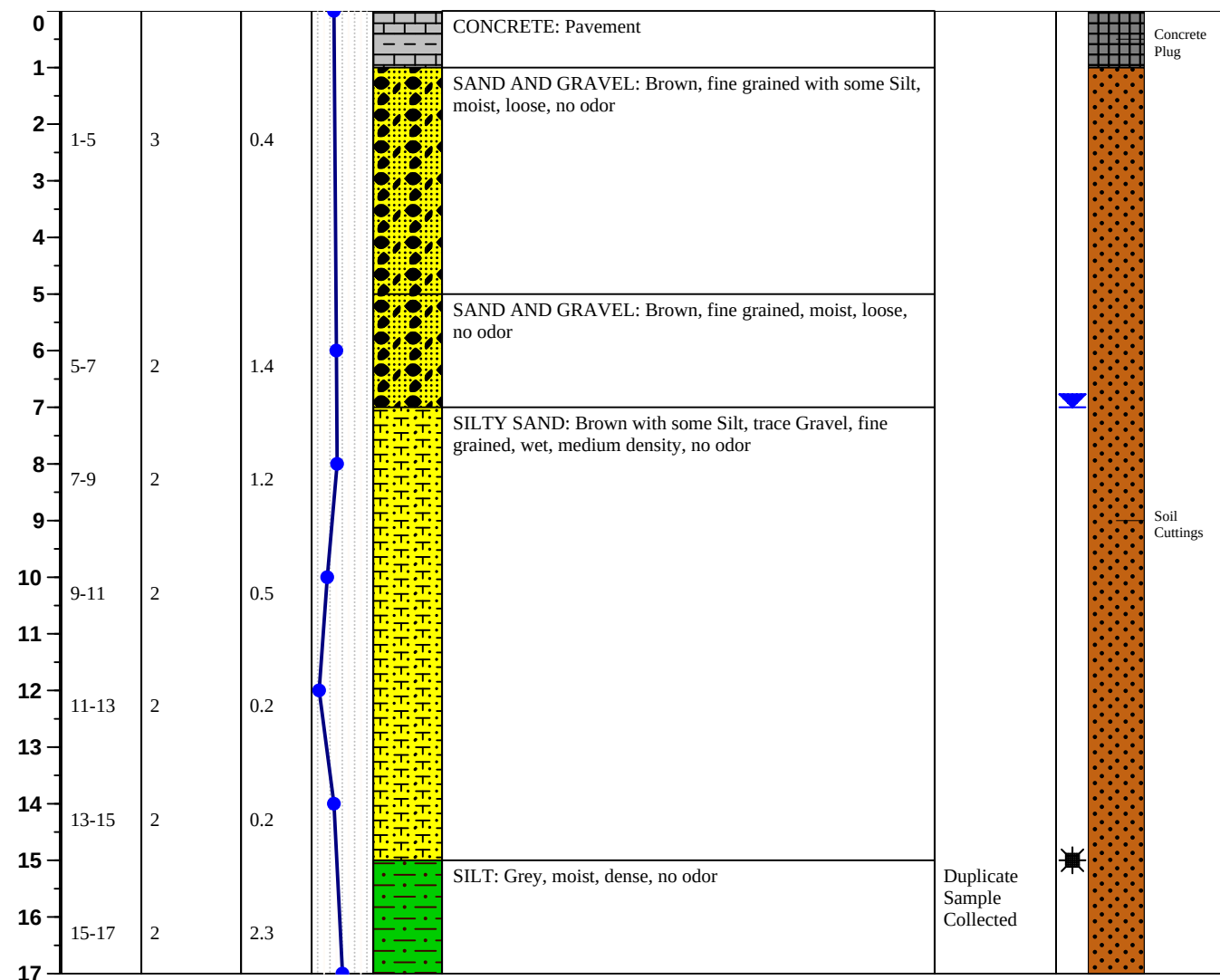
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/5/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/5/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **7 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/5/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 3			



Proportions Used:	Notes:	Blow Count Penetration Resistance:	Symbols:
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C)	Apparent Water Level
Little = 10-20%	in. = inches; ft.= feet; ppm.= parts per million	Density (G&S)	Lab Sample Location
Some = 20-35%	Soil Lithologies based on field observations only.	<2 = Very Soft	
And = 35-50%	Sample Collected 14-16 fbgs	2-4 = Soft	
		4-8 = Medium	
		8-15 = Stiff	
		15-30 = Very Stiff	
		>30 = Hard	
		0-4 = Very Loose	
		4-10 = Loose	
		10-30 = Medium	
		30-50 = Dense	
		50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R8**

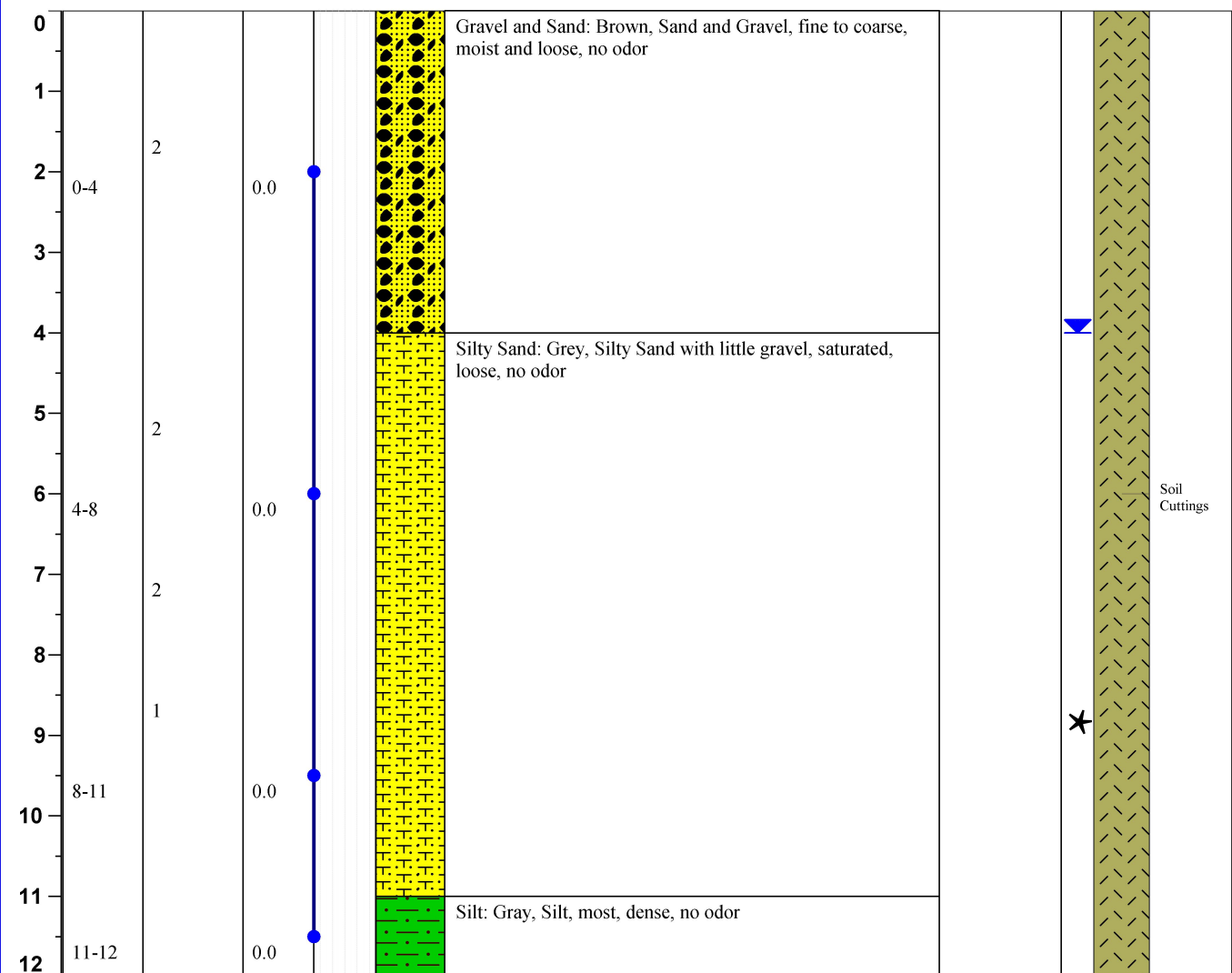
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Project: NYSDEC Frewsburg	Client: NYSDEC	Regulatory Case #: 907016
Address: 300 Falconer Street	GES Job #: 0901685	NYSDEC PM: Maurice Moore
County: Chautauqua County	GES Project Mgr: Thomas Palmer	Permit #: NA

Logged By: Peter Zaffram	Date Drilled: 3/4/20	Split Spoon/Acetate Sleeve Dia: 2.5 in
Drilling Company: Trec Environmental	Completion Date: 3/4/20	Split Spoon/Acetate Sleeve Length: 4 feet
Drill Operator: Chris Stockmaster	Drilling Method: Direct Push	Soil Classification System: Modified Burmister
Drill Rig Type: Geoprobe 6620 DT	Sampling Method: Macrocore	Field Screening: PID 10.6 eV Lamp (ppm)

Borehole Diameter: 2.5 in	Surface Elevation:	Abandonment Method: Soil Cuttings
Total Depth: 12 fbgs	Depth to Water: 4 fbgs	Backfill Material: Soil Cuttings
Refusal Depth: NA	Well Diameter: NA	Abandonment Completion Date: 3/4/20

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
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Proportions Used:	Notes:	Blow Count Penetration Resistance:		Symbols:
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C) Density (G&S)		Apparent Water Level 
Little = 10-20%	in. = inches; ft.= feet; ppm.= parts per million	<2 = Very Soft	0-4 = Very Loose	Lab Sample Location 
Some = 20-35%	Soil Lithologies based on field observations only.	2-4 = Soft	4-10 = Loose	
And = 35-50%	No Sample Collected	4-8 = Medium	10-30 = Medium	
		8-15 = Stiff	30-50 = Dense	
		15-30 = Very Stiff	50+ = Very Dense	
		>30 = Hard		SB-R8 p. 1 of 1

SB-R8

p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R9**

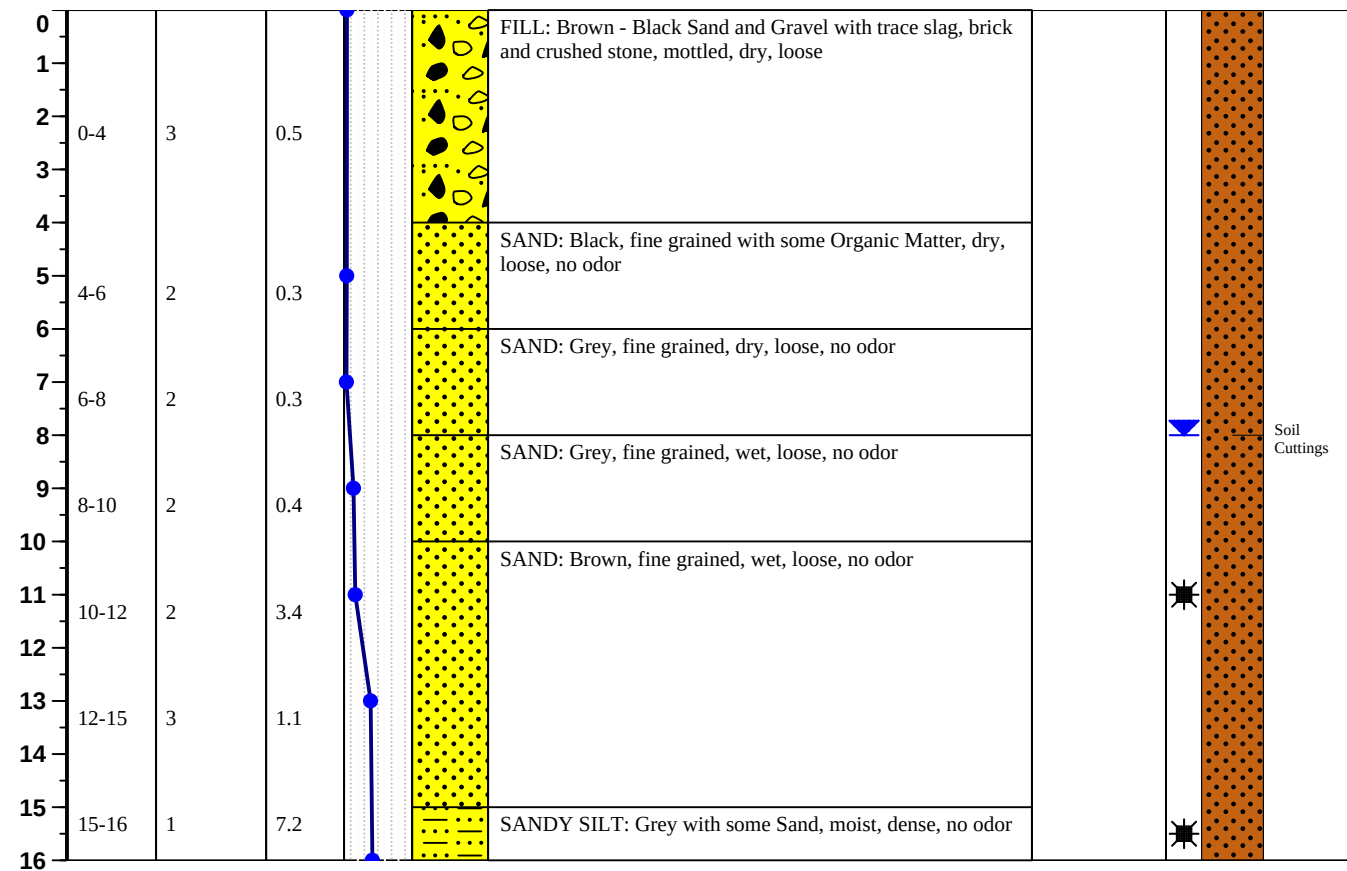
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/26/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/26/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **16 fbgs** Depth to Water: **8 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/26/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 10			



Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 Samples taken 10-12 and 15-16 fbgs

Blow Count Penetration Resistance:

Consistency (M&C)

<2 = Very Soft
 2-4 = Soft
 4-8 = Medium
 8-15 = Stiff
 15-30 = Very Stiff
 >30 = Hard

Density (G&S)

0-4 = Very Loose
 4-10 = Loose
 10-30 = Medium
 30-50 = Dense
 50+ = Very Dense

Symbols:

Apparent Water Level

Lab Sample Location



SB-R9

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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R10**

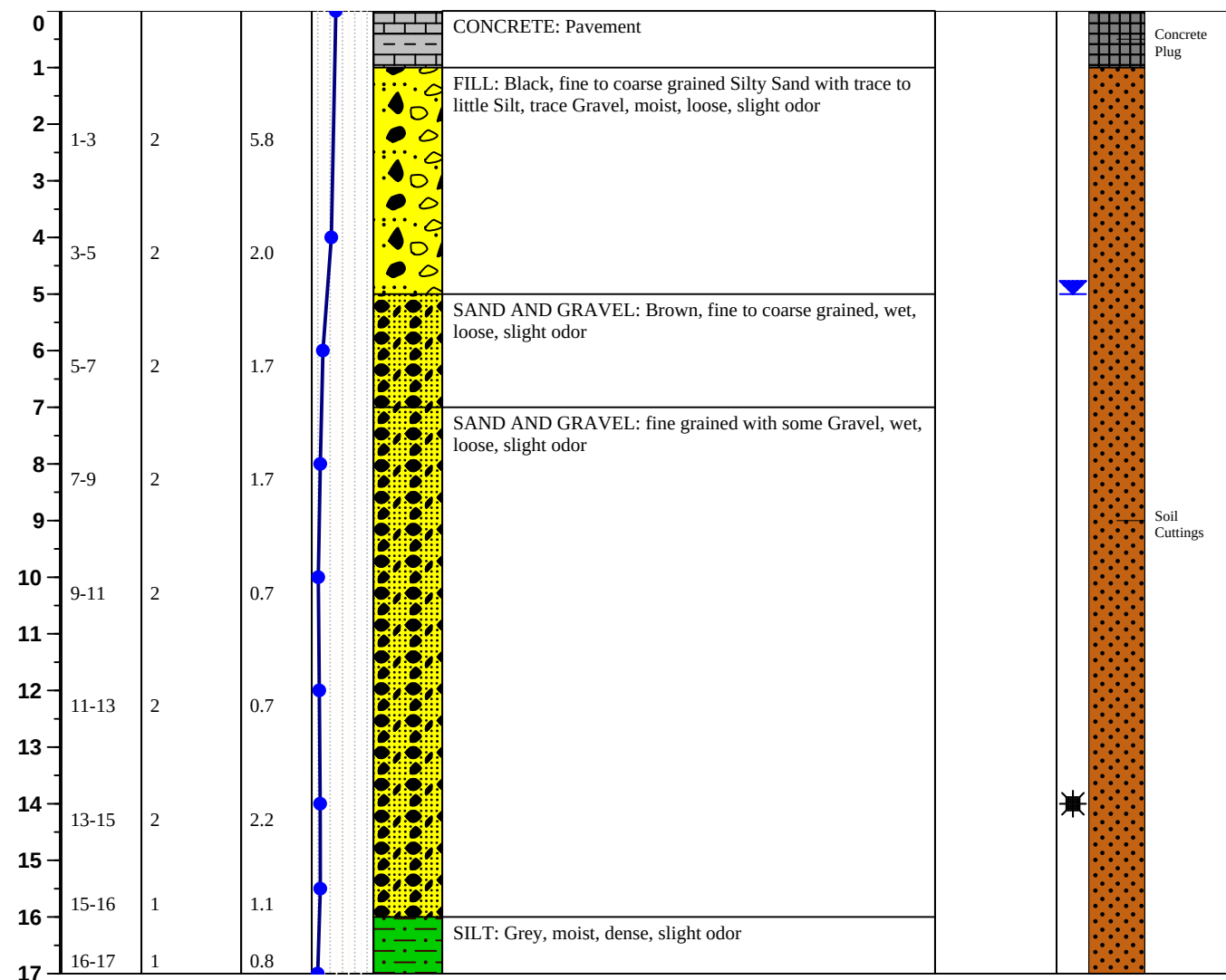
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Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/5/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/5/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **5 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/5/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 10			



Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 Sample Collected from 13-15 fbgs

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level 
 Lab Sample Location 

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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R11**

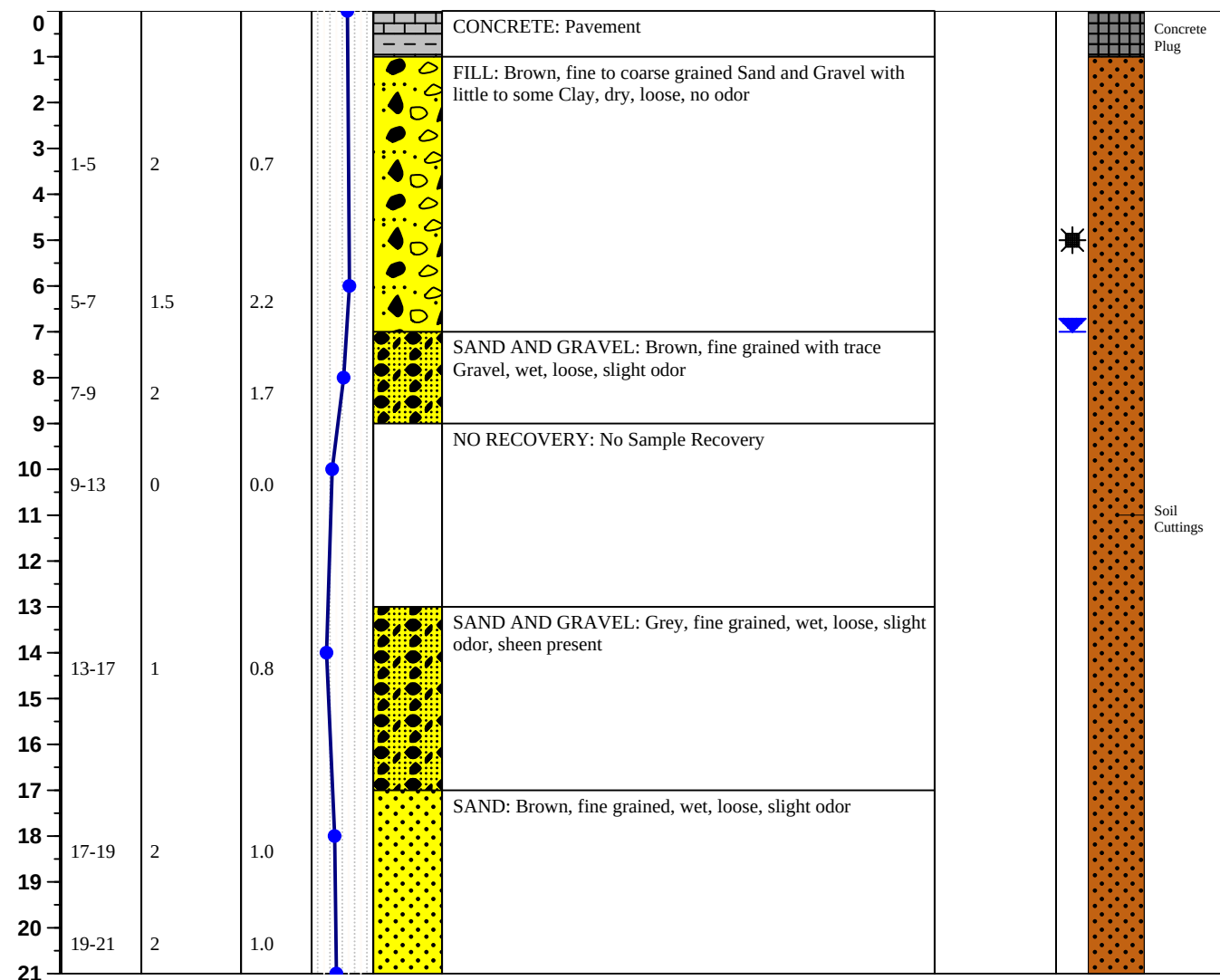
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Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/9/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/9/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **21.00 fbgs** Depth to Water: **7 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/9/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 3			



Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 Sample Collected from 5-7 fbgs

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level

Lab Sample Location



SB-R11

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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R12**

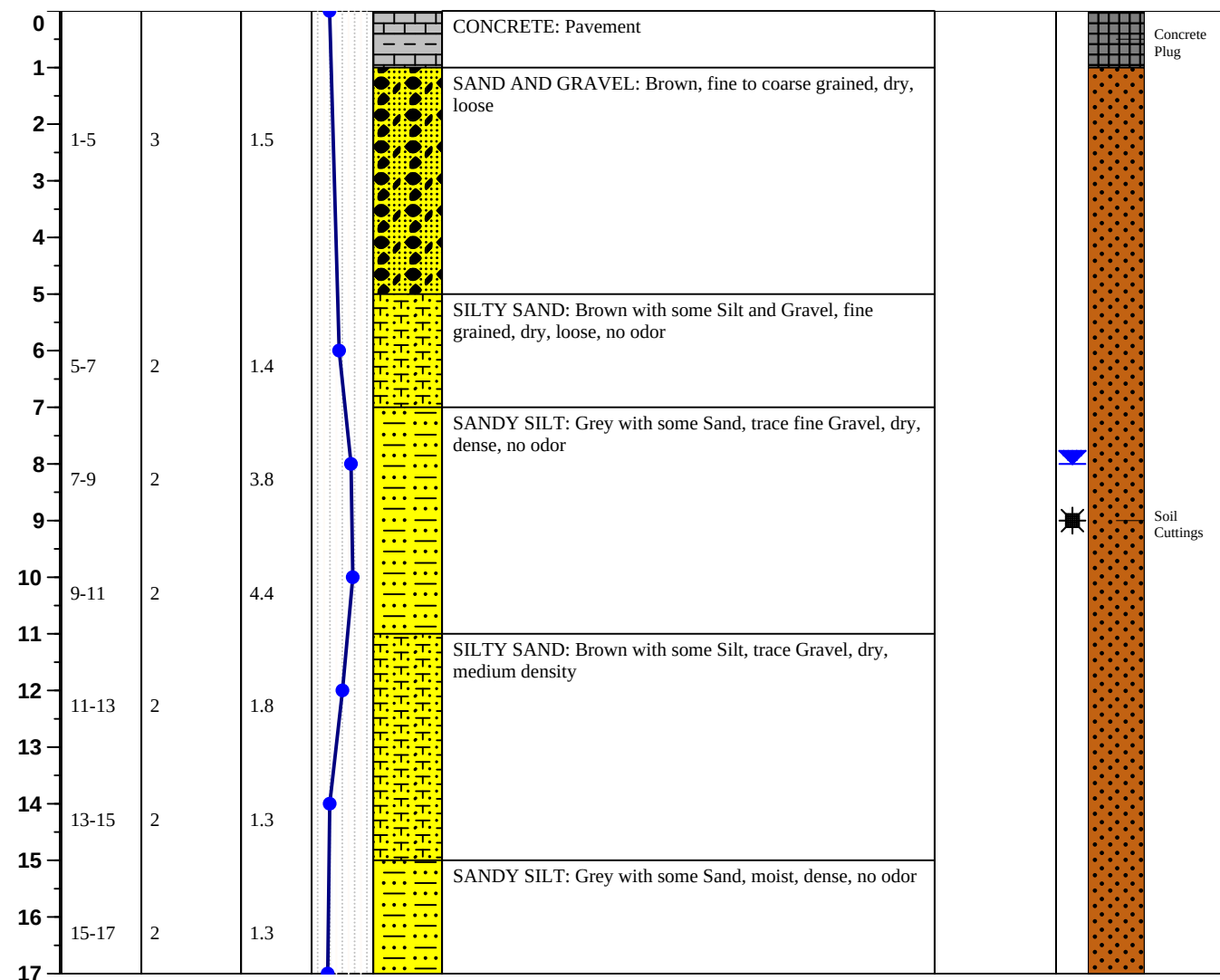
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/2/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/2/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **8 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/2/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 5			



Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 Sample Collected 8-10 fbgs

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level



Lab Sample Location



SB-R12

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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R13**

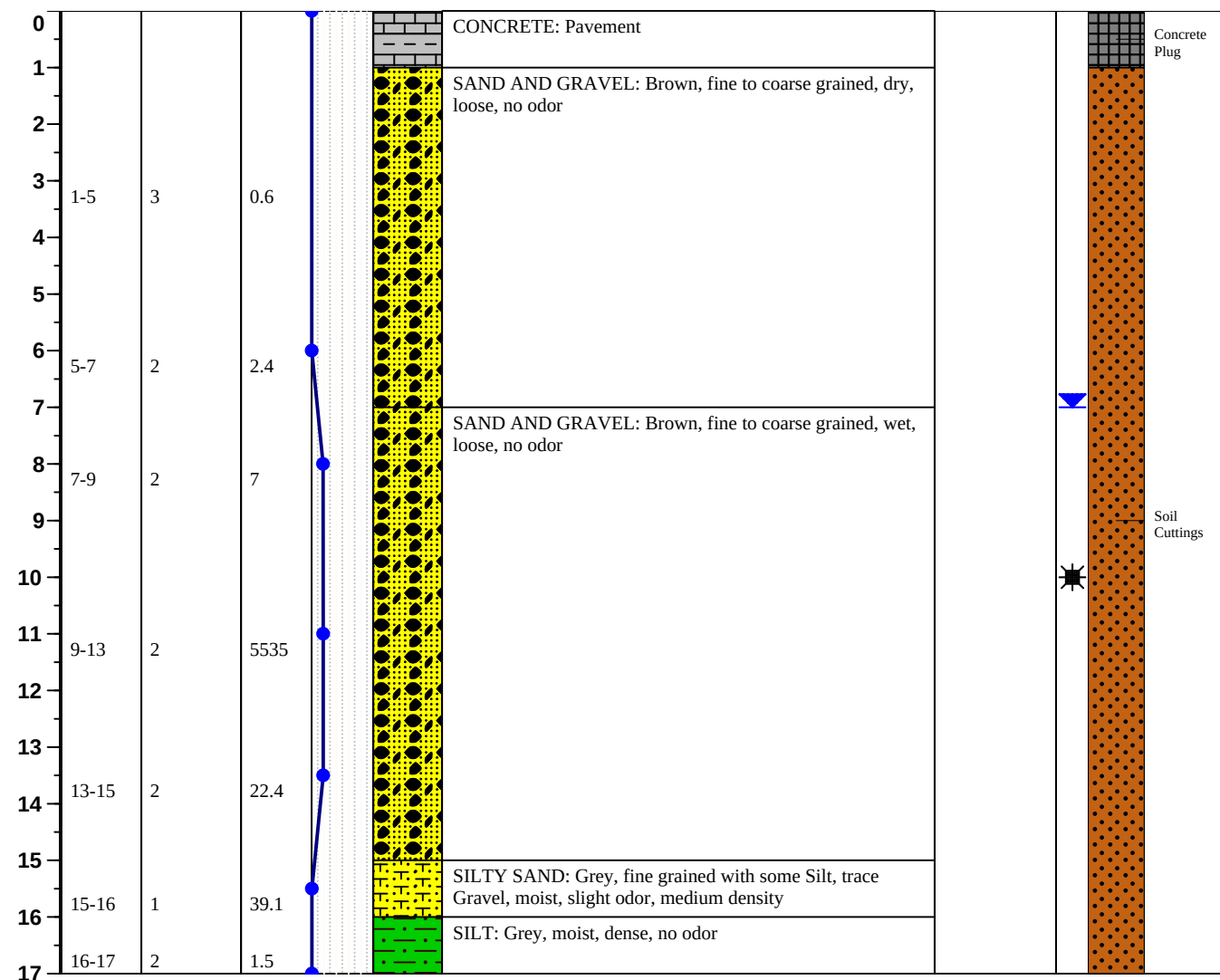
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/2/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/2/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **7 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/2/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
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<u>Proportions Used:</u>	<u>Notes:</u>	<u>Blow Count Penetration Resistance:</u>		<u>Symbols:</u>
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C)		Apparent Water Level
Little = 10-20%	in. = inches; ft.= feet; ppm.= parts per million	Density (G&S)		
Some = 20-35%	Soil Lithologies based on field observations only.	<2 = Very Soft	0-4 = Very Loose	
		2-4 = Soft	4-10 = Loose	
		4-8 = Medium	10-30 = Medium	Lab Sample Location
		8-15 = Stiff	30-50 = Dense	
And = 35-50%	Sample Collected from 8-12 fbgs	15-30 = Very Stiff		
		>30 = Hard	50> = Very Dense	
				SB-R13 p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R14**

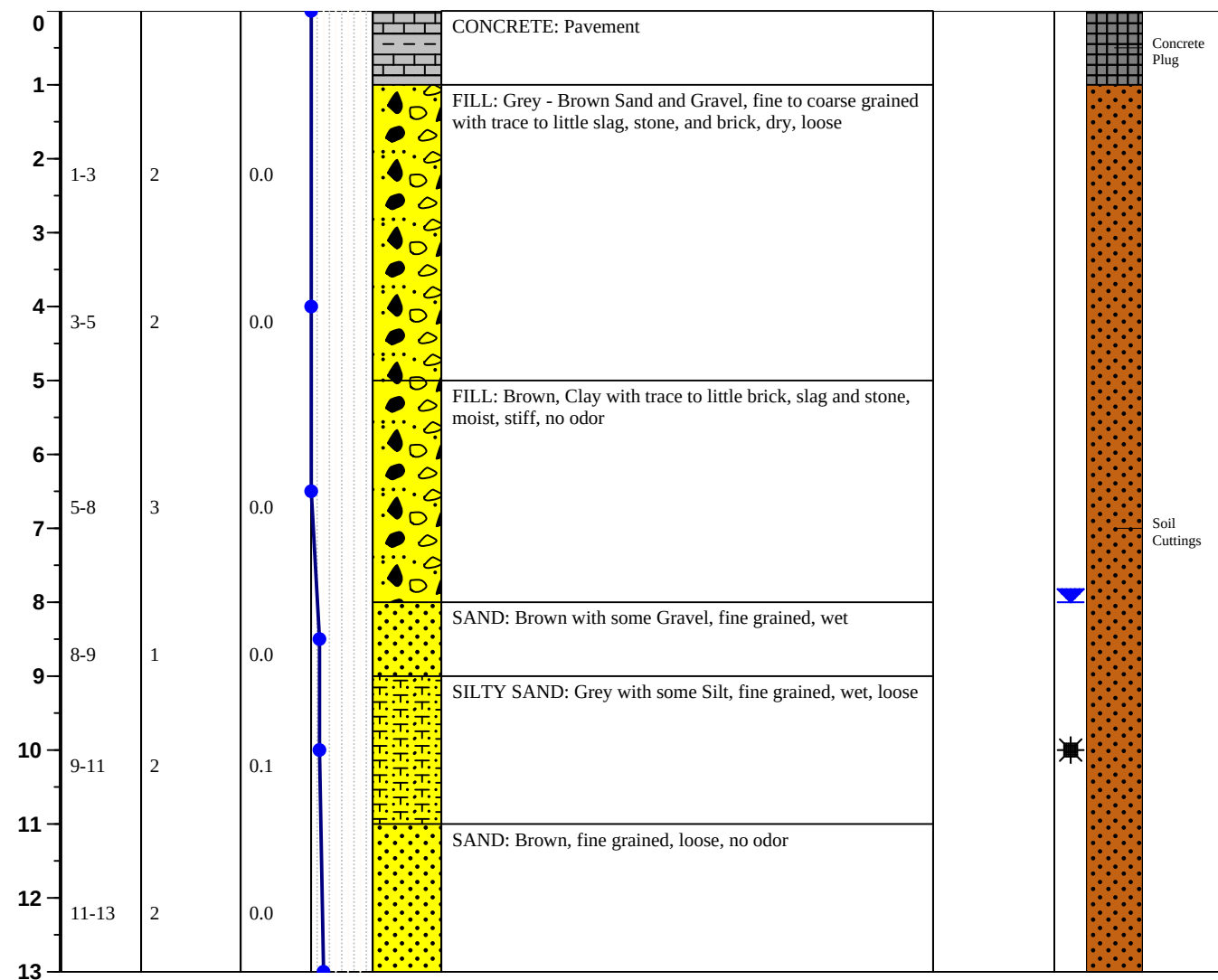
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/4/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/4/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **13.00 fbgs** Depth to Water: **8 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/4/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 0 0			



<u>Proportions Used:</u>	<u>Notes:</u>	<u>Blow Count Penetration Resistance:</u>		<u>Symbols:</u>
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C) Density (G&S)		Apparent Water Level 
Little = 10-20%	in. = inches; ft.= feet; ppm.= parts per million	<2 = Very Soft	0-4 = Very Loose	Lab Sample Location 
Some = 20-35%	Soil Lithologies based on field observations only.	2-4 = Soft	4-10 = Loose	
And = 35-50%	Sample Collected 9-11 fbgs	4-8 = Medium	10-30 = Medium	
		8-15 = Stiff	30-50 = Dense	
		15-30 = Very Stiff	50+ = Very Dense	SB-R14 p. 1 of 1
		>30 = Hard		



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R15**

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Project: **NYSDEC Frewsburg**

Client: **NYSDEC**

Regulatory Case #: **907016**

Address: **300 Falconer Street**

GES Job #: **0901685**

NYSDEC PM: **Maurice Moore**

County: **Chautauqua County**

GES Project Mgr: **Thomas Palmer**

Permit #: **NA**

Logged By: **Peter Zaffram**

Date Drilled: **3/4/20**

Split Spoon/Acetate Sleeve Dia: **2.5 in**

Drilling Company: **Trec Environmental**

Completion Date: **3/4/20**

Split Spoon/Acetate Sleeve Length: **4 feet**

Drill Operator: **Chris Stockmaster**

Drilling Method: **Direct Push**

Soil Classification System: **Modified Burmister**

Drill Rig Type: **Geoprobe 6620 DT**

Sampling Method: **Macrocore**

Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in**

Surface Elevation:

Abandonment Method: **Soil Cuttings**

Total Depth: **16.00 fbs**

Depth to Water: **8 fbs**

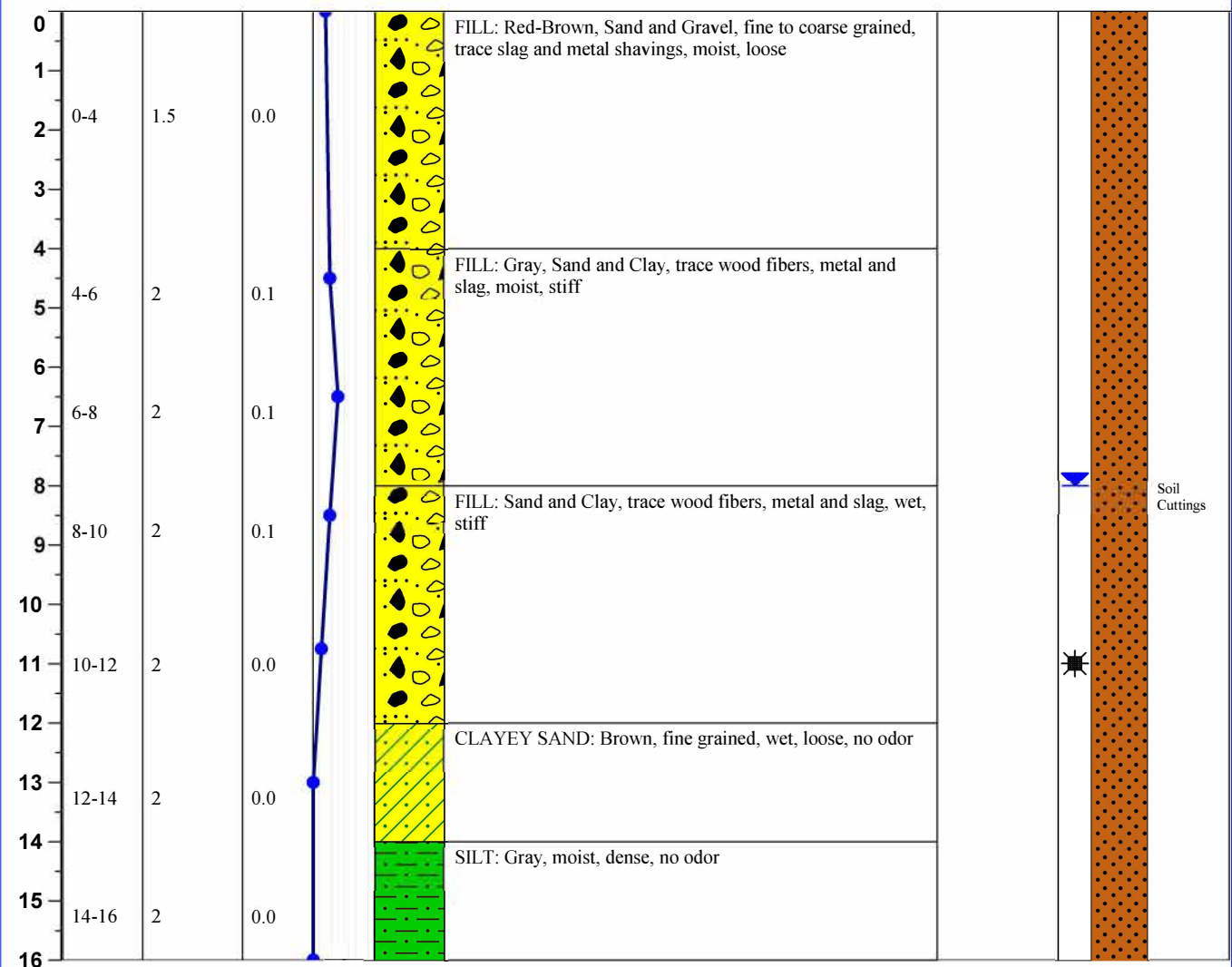
Backfill Material: **Soil Cuttings**

Refusal Depth: **NA**

Well Diameter: **NA**

Abandonment Completion Date: **3/4/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
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Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. Sample Collected 10-12 fbs	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S)		Symbols: Apparent Water Level Lab Sample Location
		<2 = Very Soft 2-4 = Soft 4-8 = Medium 8-15 = Stiff 15-30 = Very Stiff >30 = Hard	0-4 = Very Loose 4-10 = Loose 10-30 = Medium 30-50 = Dense 50+ = Very Dense	

SB-R15

p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R16**

Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/25/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/25/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **20.25 fbg** Depth to Water: **5 fbg** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/25/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
0				ASPHALT: Asphalt pavement		
1				FILL: Black to brown Sand and Gravel, coarse grained with trace brick, slag, crushed stone and metal fragments, dry, loose, no odor		
2	0-4	3	0.2			
3						
4	4-5	1	0.3			
5				SAND AND GRAVEL: Brown, wet, loose, no odor		
6						
7	5-8	3	0.1			
8						
9	8-10	2	0.0			
10						
11	10-12	2	0.1			
12						
13	12-14	2	0.0	SAND: Brown, fine grained, wet, medium density, no odor		
14						
15	14-16	2	0.1			
16						
17	16-18	2	0.1			
18						
19	18-20.25	2	0.0	SANDY SILT: Grey, wet, medium density, no odor		
20						

Proportions Used:	Notes:	Blow Count Penetration Resistance:		Symbols:
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C)		Apparent Water Level
Little = 10-20%	in. = inches; ft.= feet; ppm.= parts per million	Density (G&S)		Lab Sample Location
Some = 20-35%	Soil Lithologies based on field observations only.	<2 = Very Soft	0-4 = Very Loose	
And = 35-50%	Sample Collected from 5-8 fbg	2-4 = Soft	4-10 = Loose	
		4-8 = Medium	10-30 = Medium	
		8-15 = Stiff	30-50 = Dense	
		15-30 = Very Stiff	50+ = Very Dense	
		>30 = Hard		



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R17**

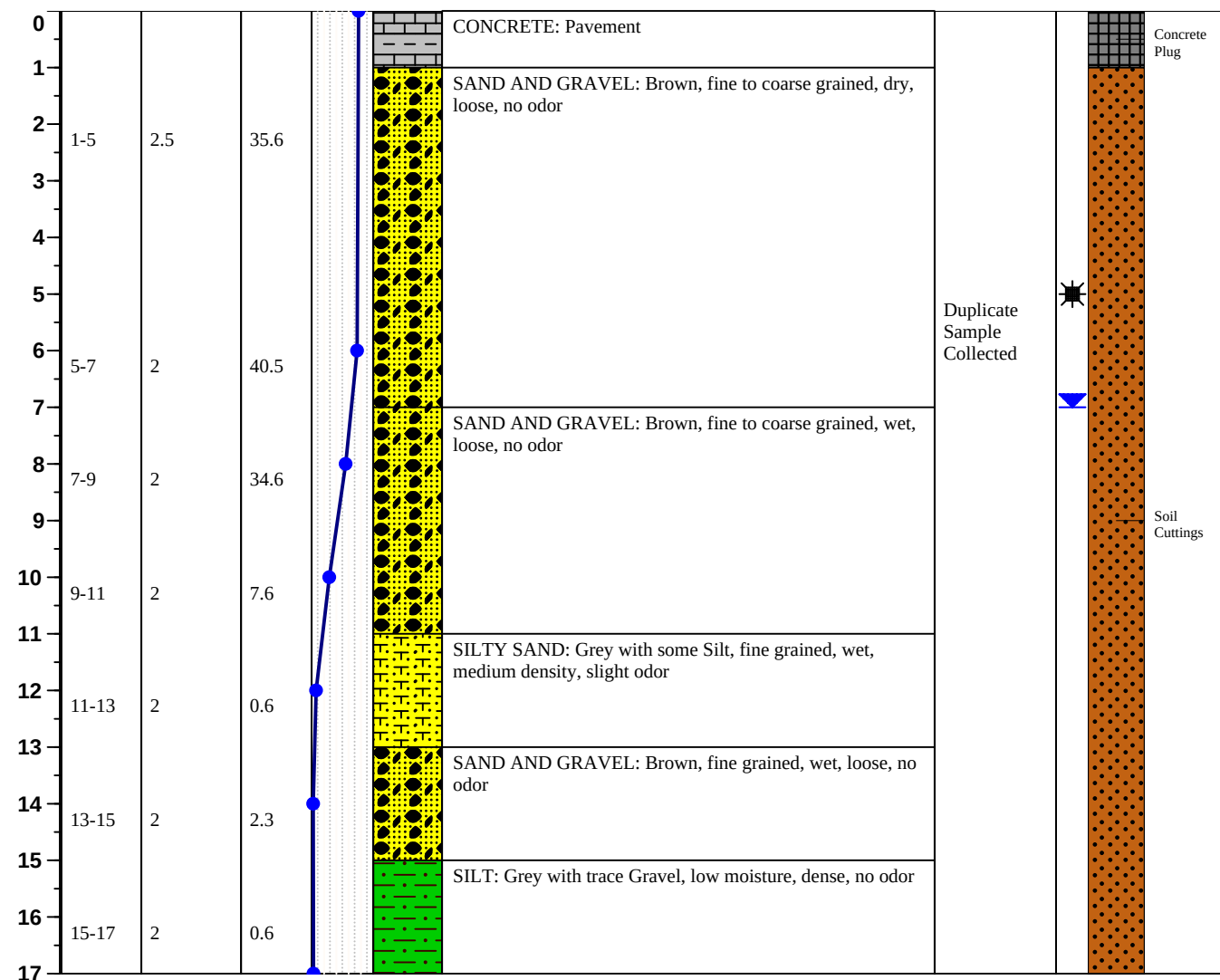
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/3/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/3/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **7 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/3/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 50			



Proportions Used:	Notes:	Blow Count Penetration Resistance:	Symbols:
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C)	Apparent Water Level
Little = 10-20%	in. = inches; ft. = feet; ppm. = parts per million	<2 = Very Soft	Lab Sample Location
Some = 20-35%	Soil Lithologies based on field observations only.	2-4 = Soft	
And = 35-50%	Sample Collected 4-6 fbgs	4-8 = Medium	
		8-15 = Stiff	
		15-30 = Very Stiff	
		>30 = Hard	
		Density (G&S)	
		0-4 = Very Loose	
		4-10 = Loose	
		10-30 = Medium	
		30-50 = Dense	
		50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R18**

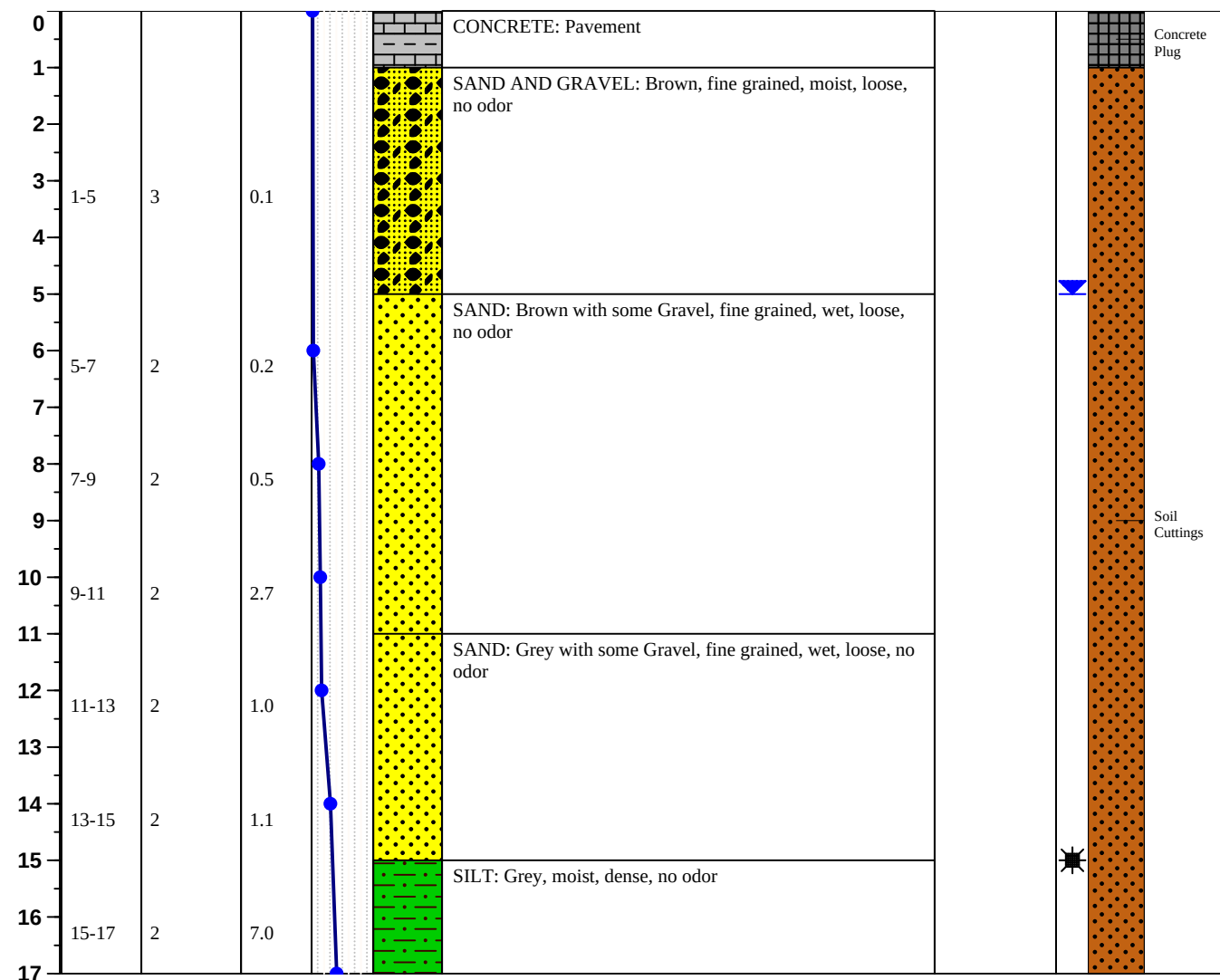
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/3/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/3/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **5 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/3/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 10			



Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 Sample Collected 14-16 fbgs

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level



Lab Sample Location



SB-R18

p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R19**

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Project: **NYSDEC Frewsburg**

Client: **NYSDEC**

Regulatory Case #: **907016**

Address: **300 Falconer Street**

GES Job #: **0901685**

NYSDEC PM: **Maurice Moore**

County: **Chautauqua County**

GES Project Mgr: **Thomas Palmer**

Permit #: **NA**

Logged By: **Peter Zaffram**

Date Drilled: **2/25/20**

Split Spoon/Acetate Sleeve Dia: **2.5 in**

Drilling Company: **Trec Environmental**

Completion Date: **2/25/20**

Split Spoon/Acetate Sleeve Length: **4 feet**

Drill Operator: **Chris Stockmaster**

Drilling Method: **Direct Push**

Soil Classification System: **Modified Burmister**

Drill Rig Type: **Geoprobe 6620 DT**

Sampling Method: **Macrocore**

Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in**

Surface Elevation:

Abandonment Method: **Soil Cuttings**

Total Depth: **20.25 fbg**

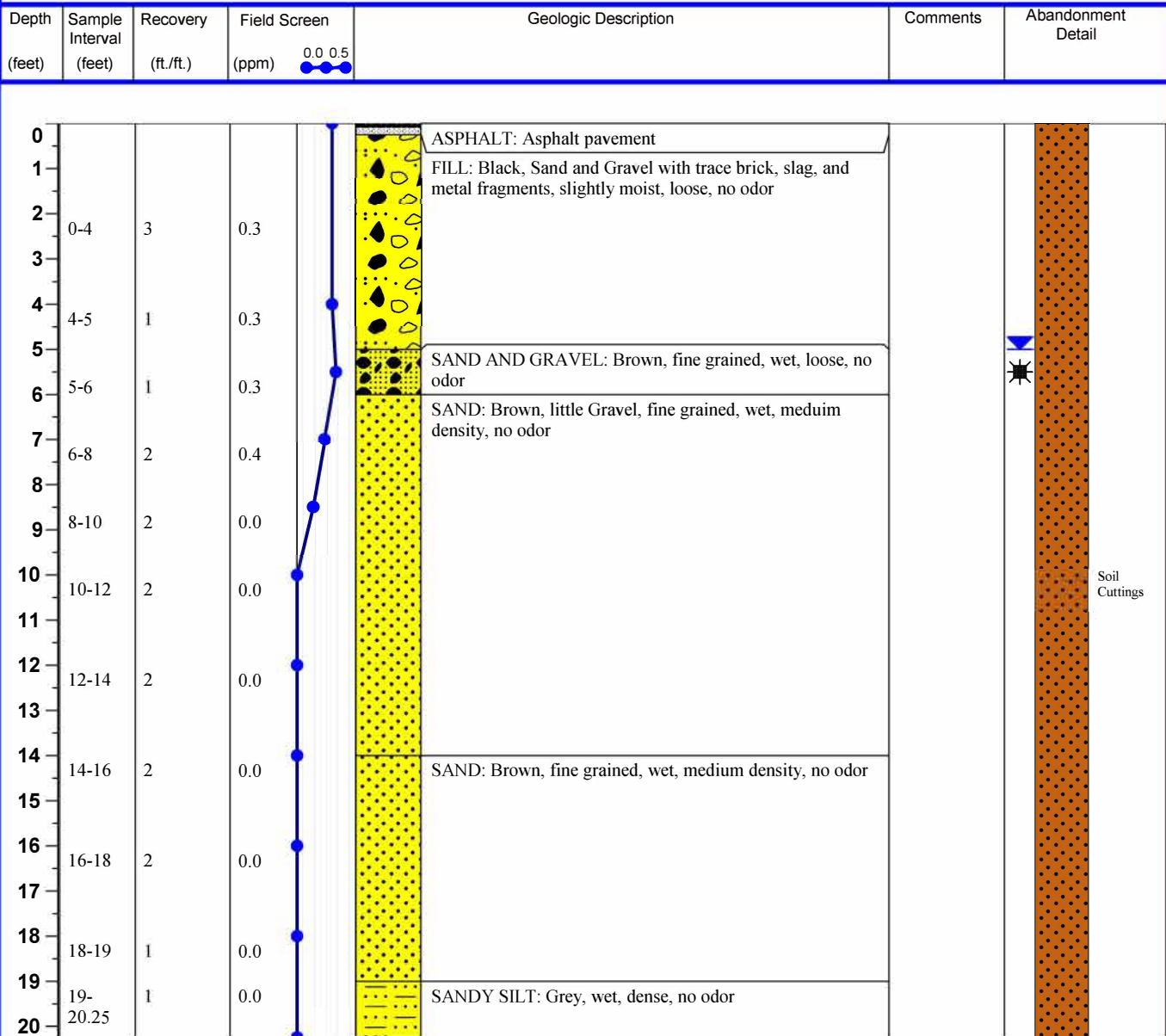
Depth to Water: **5 fbg**

Backfill Material: **Soil Cuttings**

Refusal Depth: **NA**

Well Diameter: **NA**

Abandonment Completion Date: **2/25/20**



Proportions Used:

Trace = 0-10%

Little = 10-20%

Some = 20-35%

And = 35-50%

Notes:

NA = not applicable; FBGS = ft below ground surface

in. = inches; ft. = feet; ppm. = parts per million

Soil Lithologies based on field observations only.

Sample Collected from 5-6 fbg

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level

Lab Sample Location

SB-R19

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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R20**

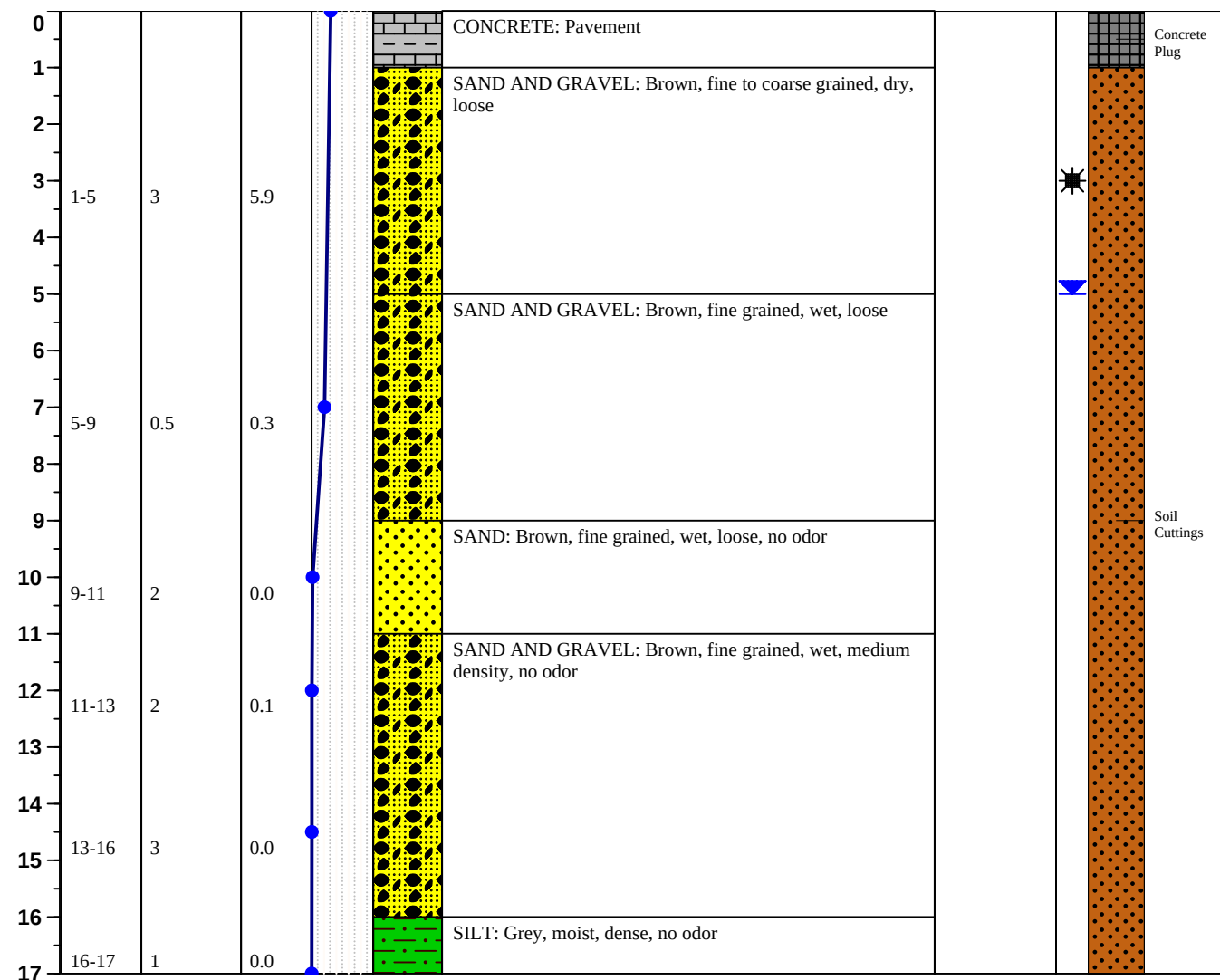
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/27/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/27/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **5 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/27/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 10			



Proportions Used:	Notes:	Blow Count Penetration Resistance:	Symbols:
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C)	Apparent Water Level
Little = 10-20%	in. = inches; ft.= feet; ppm.= parts per million	Density (G&S)	Lab Sample Location
Some = 20-35%	Soil Lithologies based on field observations only.	<2 = Very Soft	
And = 35-50%	Sample Collected from 1-5 fbgs	2-4 = Soft	
		4-8 = Medium	
		8-15 = Stiff	
		15-30 = Very Stiff	
		>30 = Hard	
		0-4 = Very Loose	
		4-10 = Loose	
		10-30 = Medium	
		30-50 = Dense	
		50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R21**

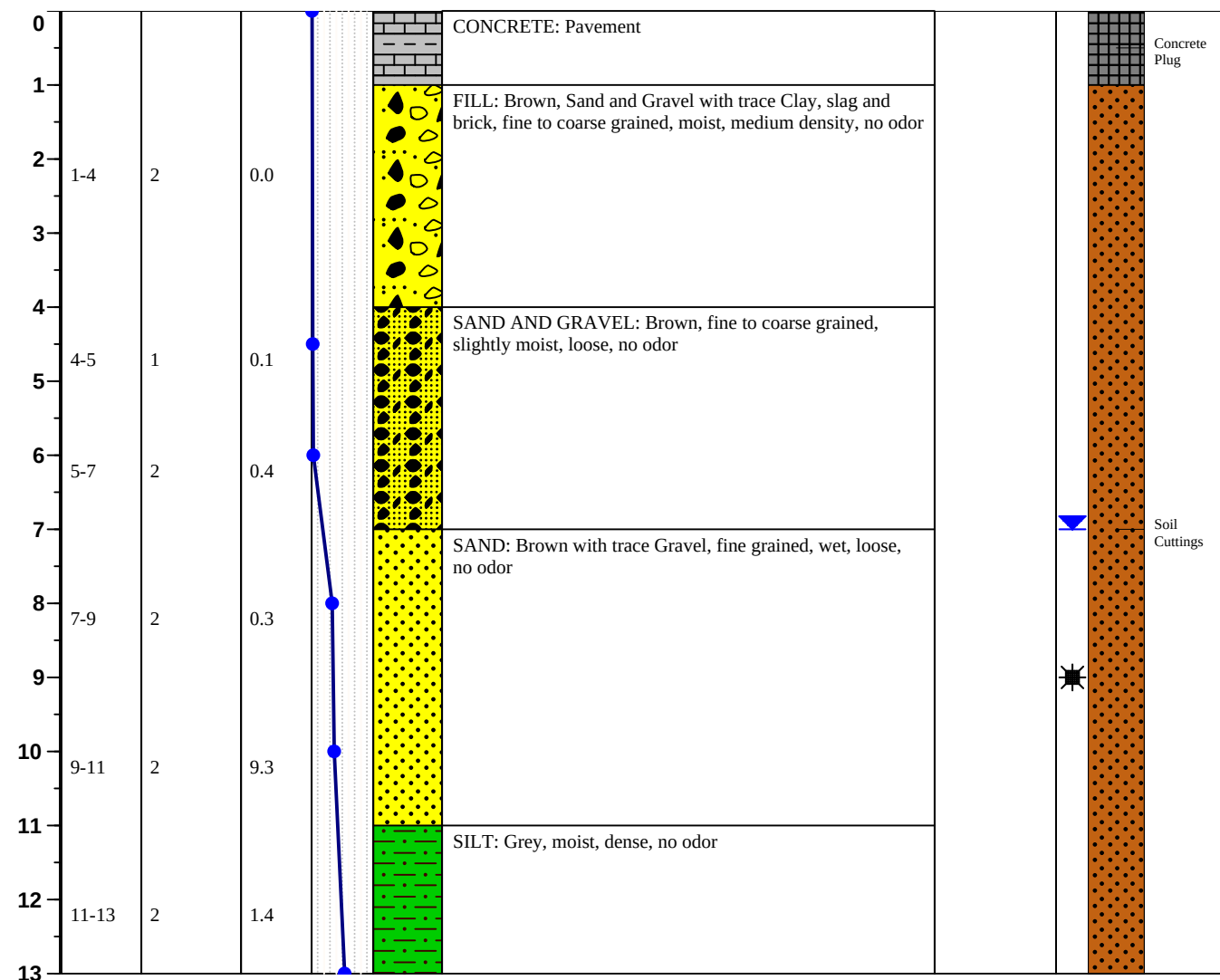
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/3/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/3/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **13.00 fbgs** Depth to Water: **7 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/3/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 10			



Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 Sample Collected from 8-10 fbgs

Blow Count Penetration Resistance:

Consistency (M&C) Density (G&S)
 <2 = Very Soft 0-4 = Very Loose
 2-4 = Soft 4-10 = Loose
 4-8 = Medium 10-30 = Medium
 8-15 = Stiff 30-50 = Dense
 15-30 = Very Stiff 50+ = Very Dense
 >30 = Hard

Symbols:

Apparent Water Level



Lab Sample Location



SB-R21

p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R22**

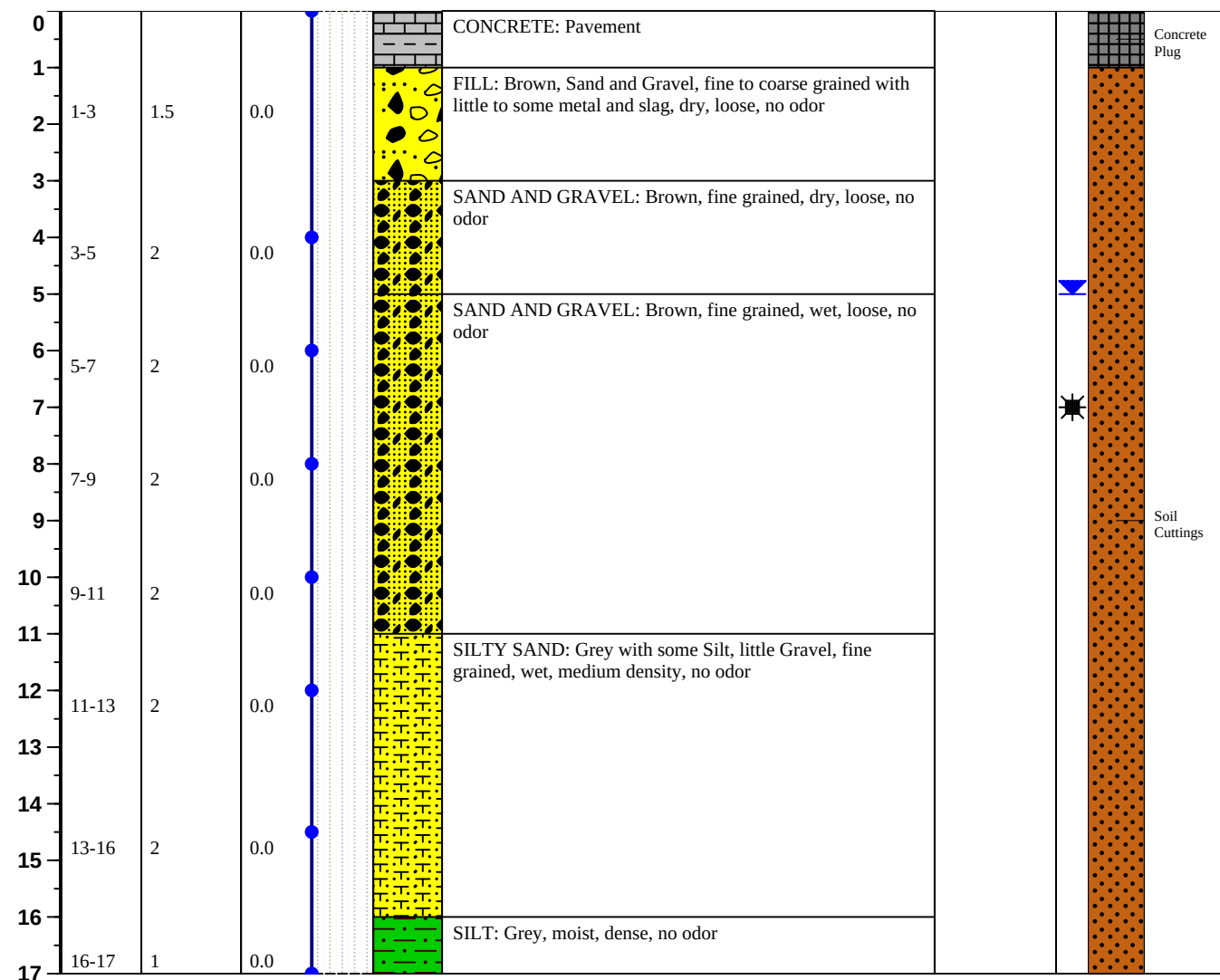
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Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/4/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/4/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **5 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/4/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 100			



Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 Sample Collected 6-8 fbgs

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level



Lab Sample Location



SB-R22

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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R23**

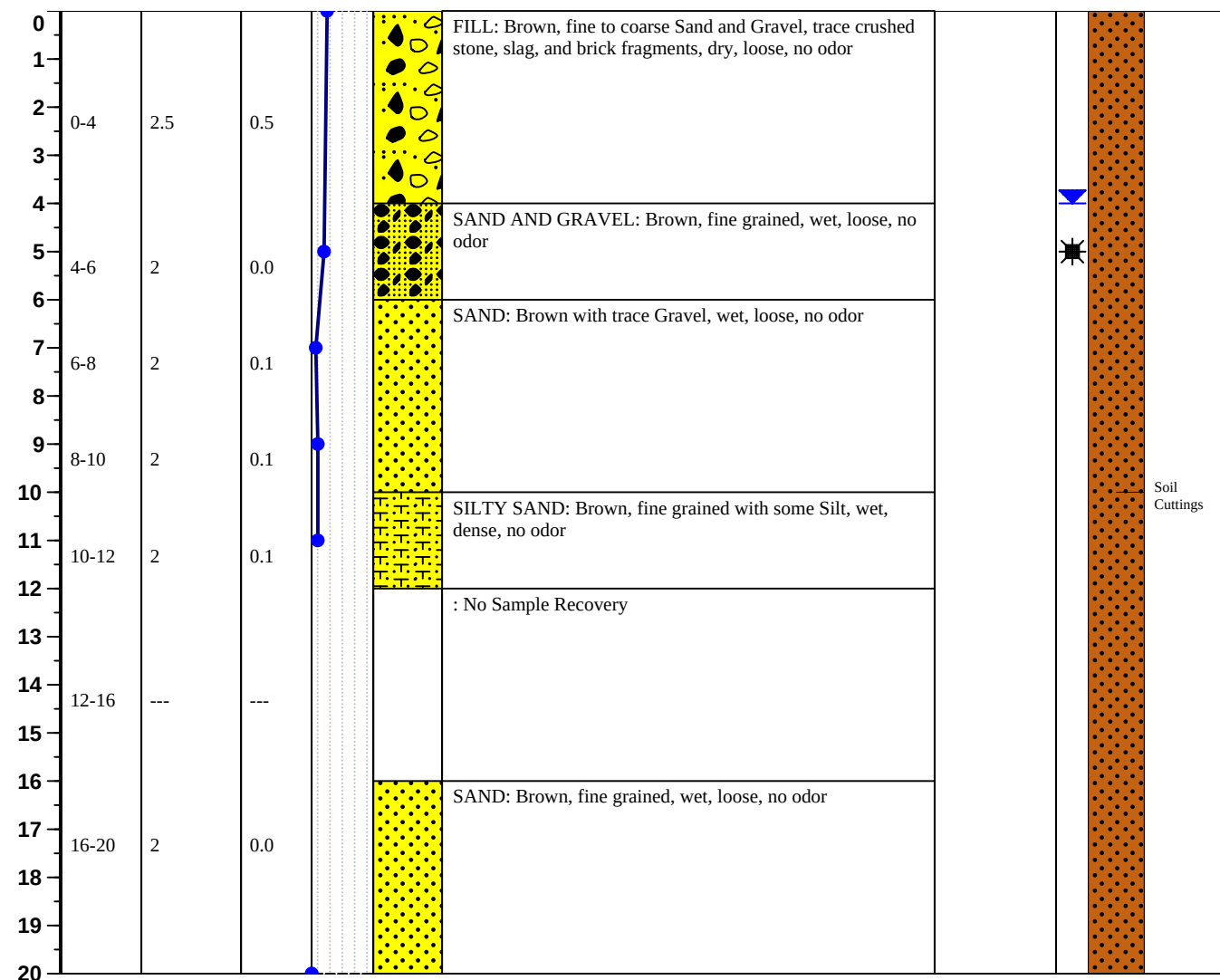
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/25/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/25/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **20 fbgs** Depth to Water: **4 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/25/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 1			



Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 Sample taken 4-6 fbgs

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level



Lab Sample Location



SB-R23

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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R24**

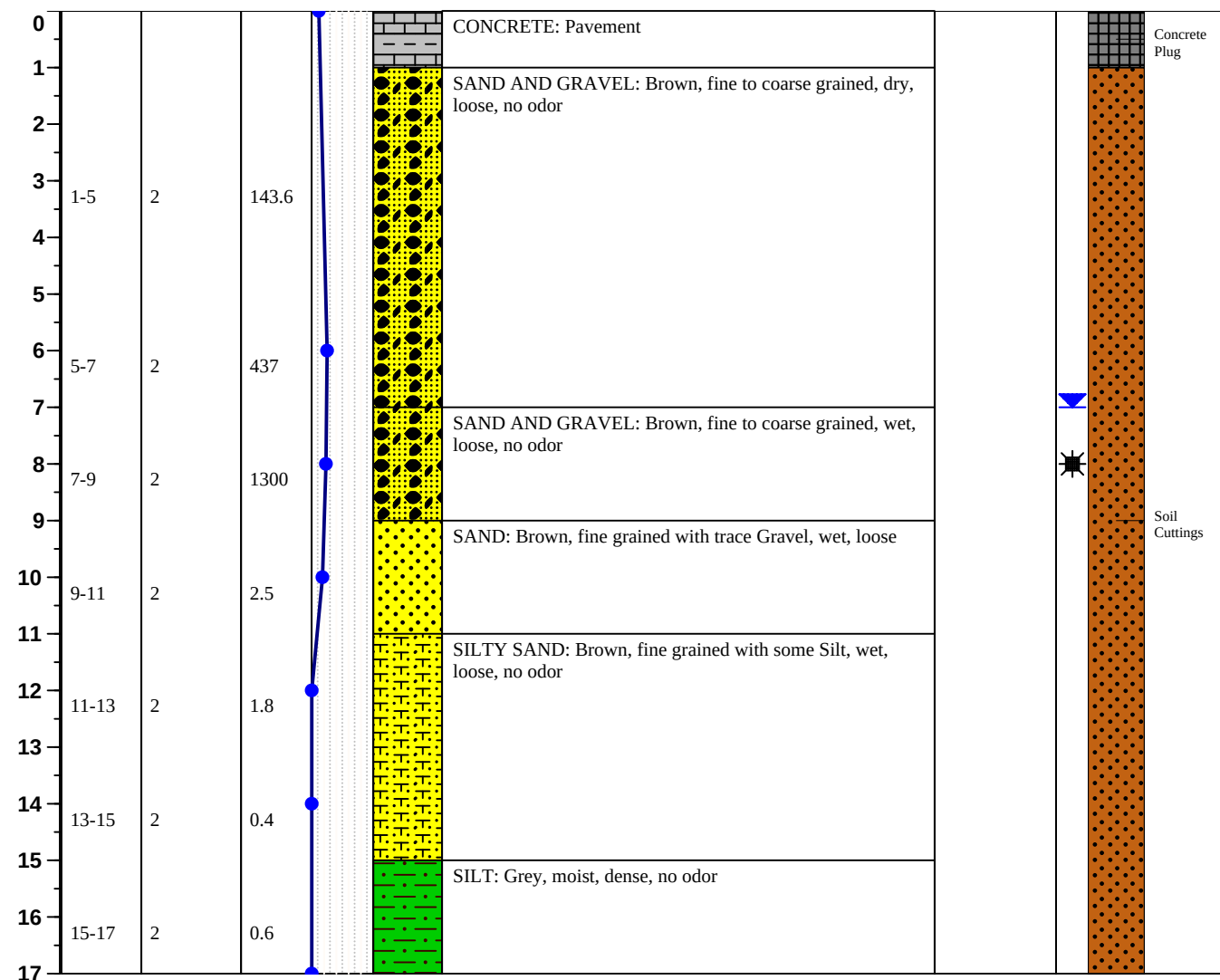
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/28/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/28/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **9 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/28/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 2500			



Proportions Used:	Notes:	Blow Count Penetration Resistance:	Symbols:
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C)	Apparent Water Level
Little = 10-20%	in. = inches; ft. = feet; ppm. = parts per million	Density (G&S)	Lab Sample Location
Some = 20-35%	Soil Lithologies based on field observations only.	<2 = Very Soft	
And = 35-50%	Sample Collected from 7-9 fbgs	2-4 = Soft	
		4-8 = Medium	
		8-15 = Stiff	
		15-30 = Very Stiff	
		>30 = Hard	
		0-4 = Very Loose	
		4-10 = Loose	
		10-30 = Medium	
		30-50 = Dense	
		50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R25**

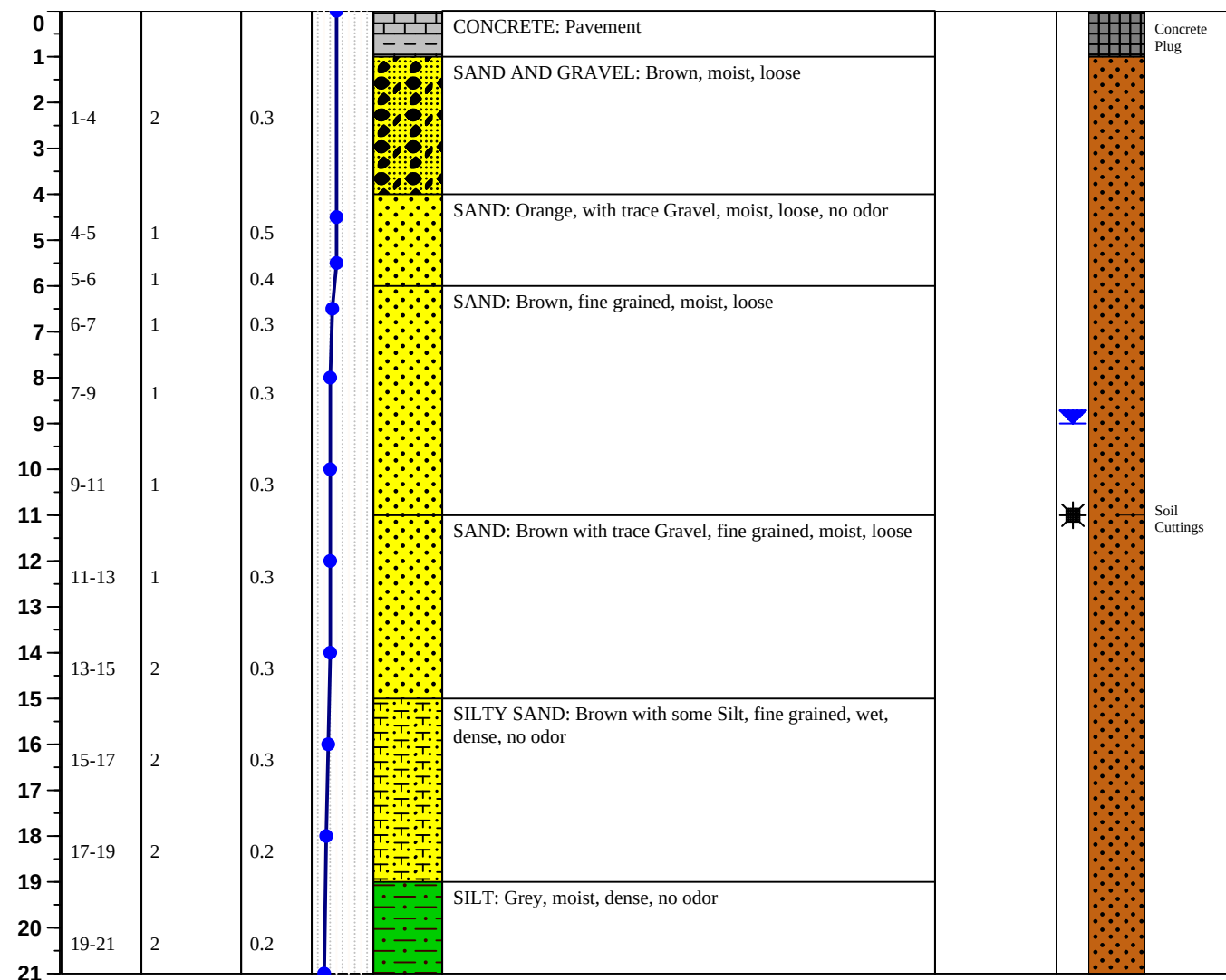
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/28/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/28/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **21.00 fbgs** Depth to Water: **9 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/28/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 1			



Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 Sample Collected from 10-12 fbgs

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level

Lab Sample Location

SB-R25

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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R26**

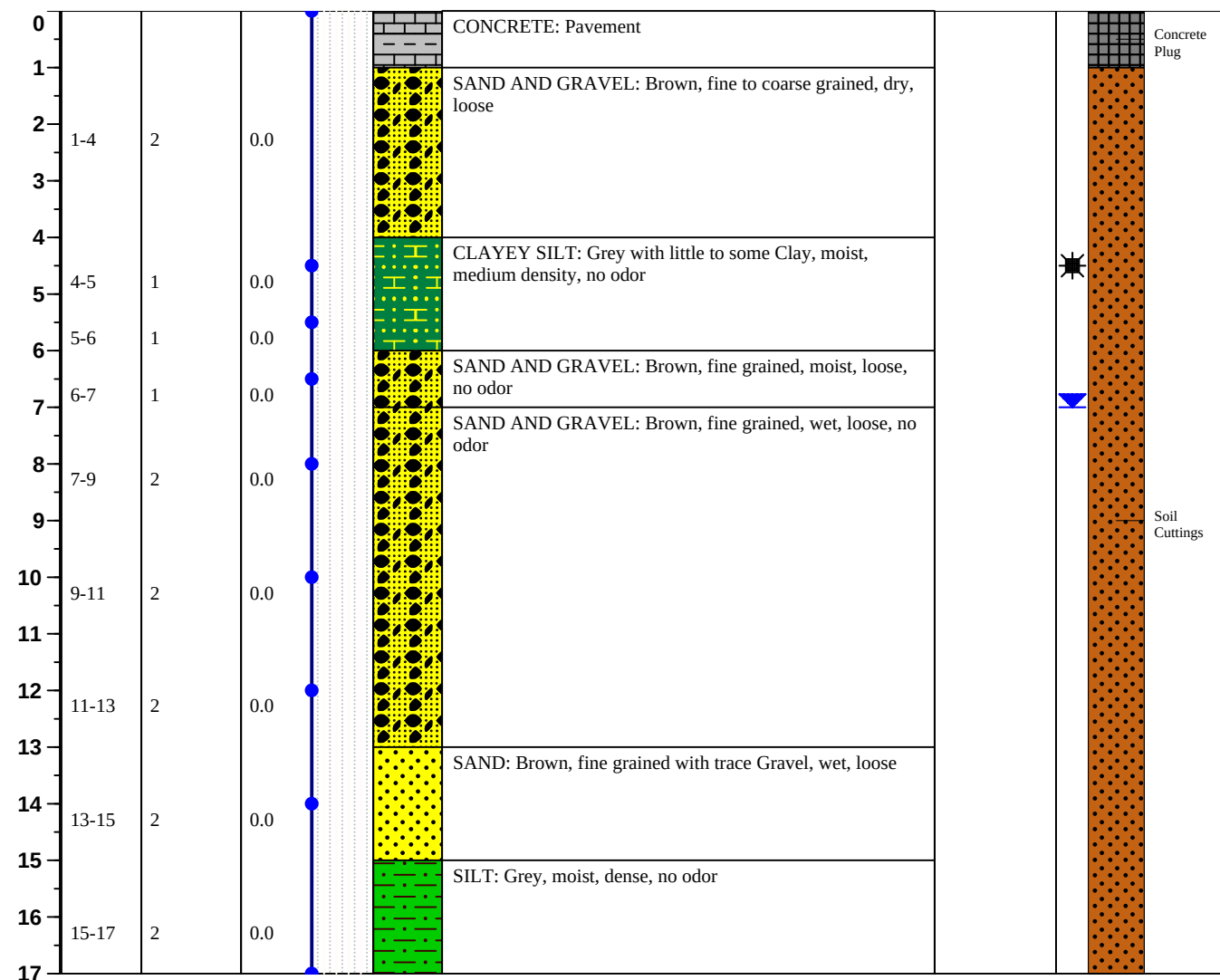
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Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/27/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/27/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **7 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/27/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 100			



Proportions Used:	Notes:	Blow Count Penetration Resistance:		Symbols:
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C)		Apparent Water Level
Little = 10-20%	in. = inches; ft.= feet; ppm.= parts per million	Density (G&S)		
Some = 20-35%	Soil Lithologies based on field observations only.	<2 = Very Soft	0-4 = Very Loose	
And = 35-50%	Sample Collected from 4-5 fbgs	2-4 = Soft	4-10 = Loose	
		4-8 = Medium	10-30 = Medium	
		8-15 = Stiff	30-50 = Dense	
		15-30 = Very Stiff	50+ = Very Dense	
		>30 = Hard		
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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R27**

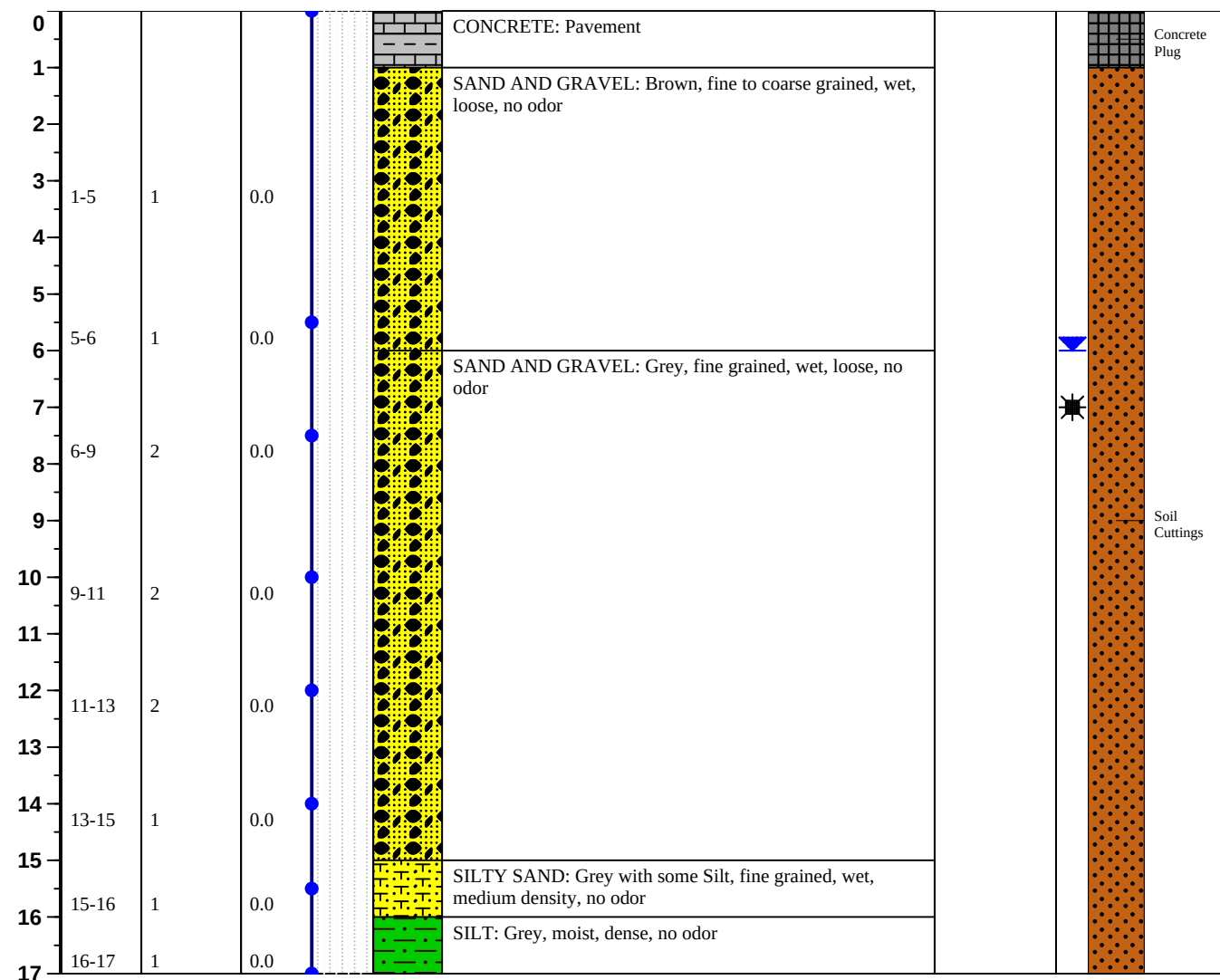
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Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/4/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/4/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **6 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/4/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 100			



Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 Sample Collected 6-9 fbgs

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level



Lab Sample Location



SB-R27

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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R28**

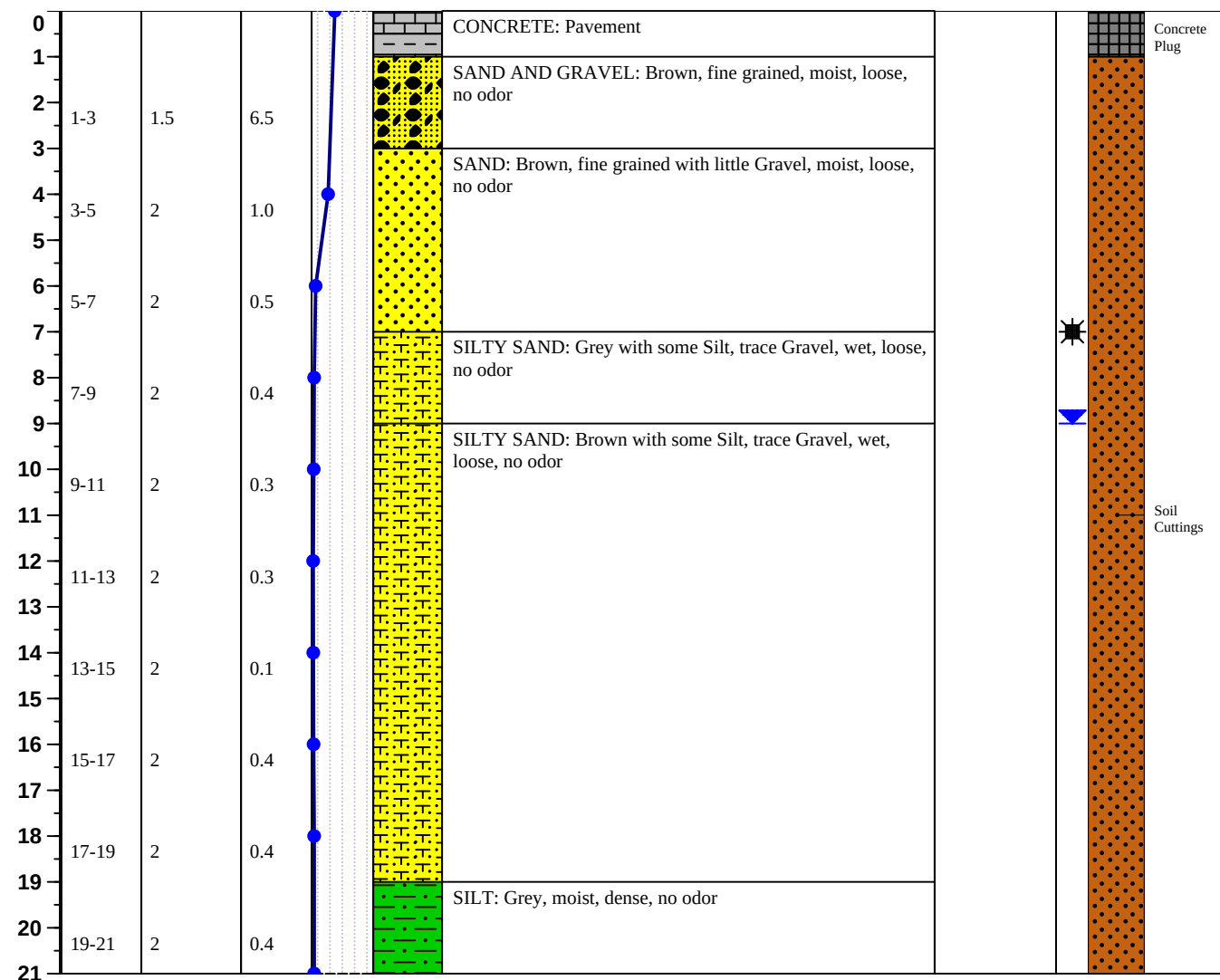
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Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/28/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/28/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **21.00 fbgs** Depth to Water: **9 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/28/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 10			



Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 Sample Collected from 6-8 fbgs

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level



Lab Sample Location



SB-R28

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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R29**

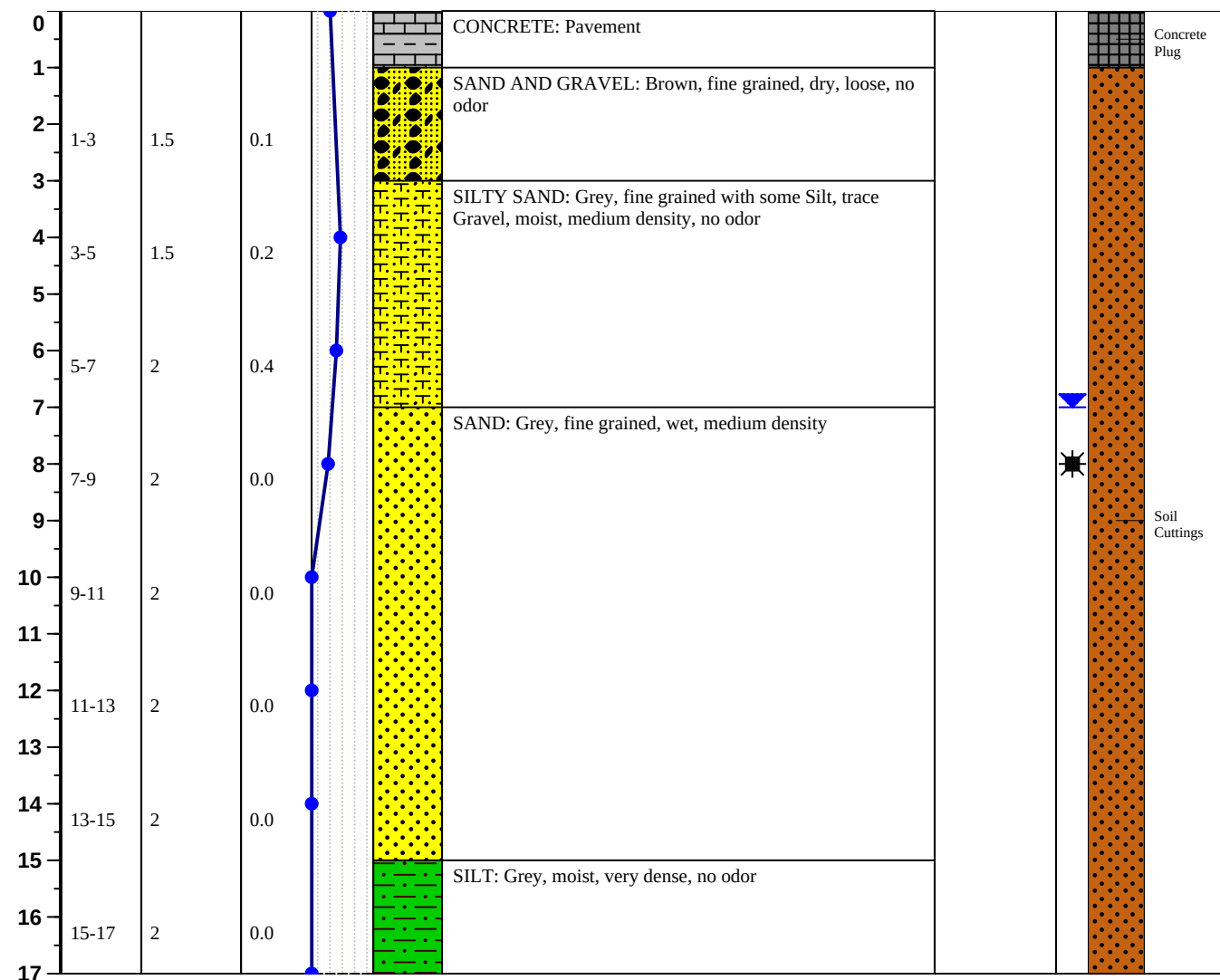
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Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/27/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/27/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **7 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/27/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 1			



Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 Sample Collected from 7-9 fbgs

Blow Count Penetration Resistance:

Consistency (M&C) Density (G&S)
 <2 = Very Soft 0-4 = Very Loose
 2-4 = Soft 4-10 = Loose
 4-8 = Medium 10-30 = Medium
 8-15 = Stiff 30-50 = Dense
 15-30 = Very Stiff 50+ = Very Dense
 >30 = Hard

Symbols:

Apparent Water Level



Lab Sample Location



SB-R29

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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R30**

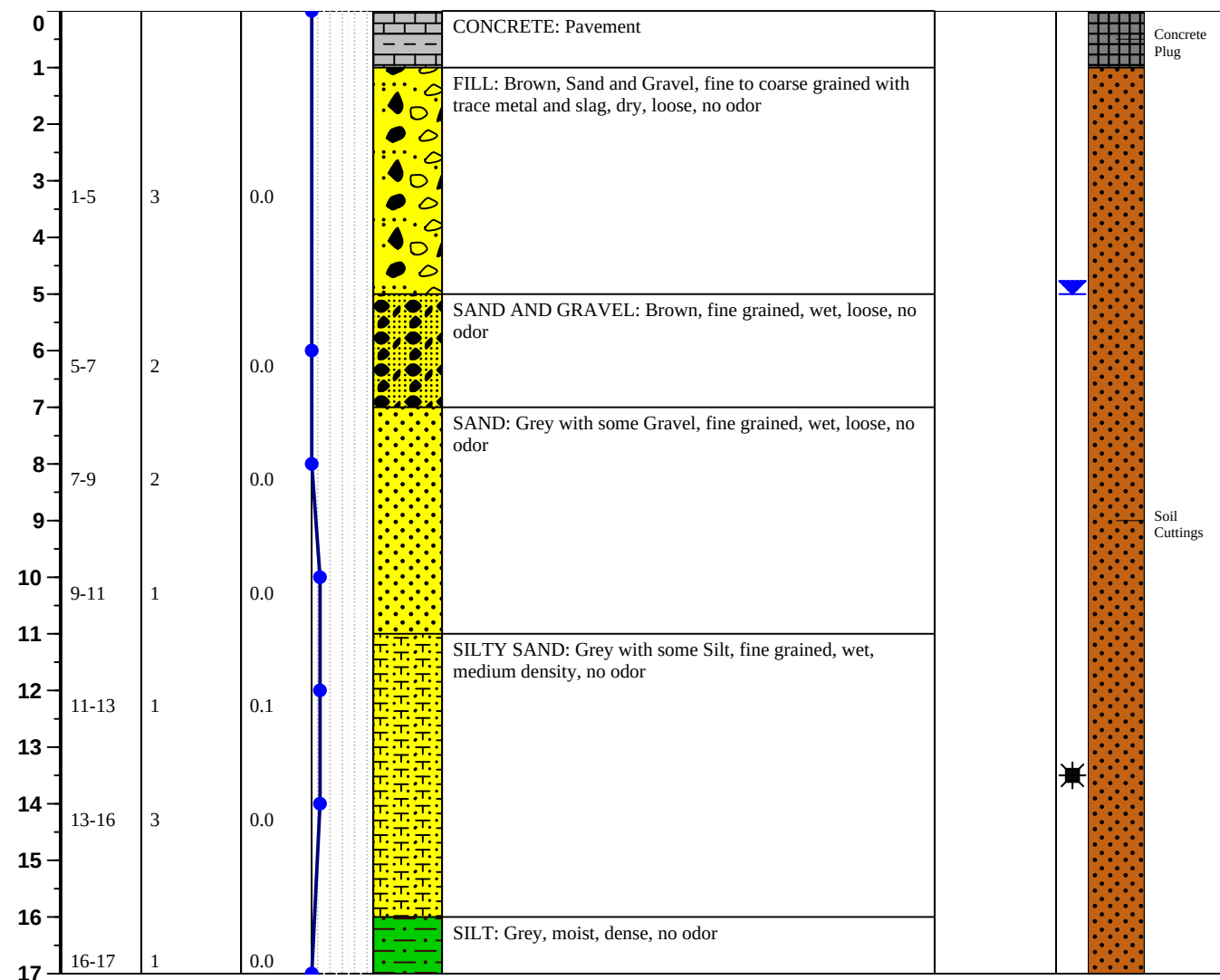
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Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/4/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/4/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **5 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/4/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 0			



Proportions Used:	Notes:	Blow Count Penetration Resistance:	Symbols:
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C)	Apparent Water Level
Little = 10-20%	in. = inches; ft. = feet; ppm. = parts per million	Density (G&S)	Lab Sample Location
Some = 20-35%	Soil Lithologies based on field observations only.	<2 = Very Soft	
And = 35-50%	Sample Collected 12-15 fbgs	2-4 = Soft	
		4-8 = Medium	
		8-15 = Stiff	
		15-30 = Very Stiff	
		>30 = Hard	
		0-4 = Very Loose	
		4-10 = Loose	
		10-30 = Medium	
		30-50 = Dense	
		50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R31**

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Project: **NYSDEC Frewsburg**

Client: **NYSDEC**

Regulatory Case #: **907016**

Address: **300 Falconer Street**

GES Job #: **0901685**

NYSDEC PM: **Maurice Moore**

County: **Chautauqua County**

GES Project Mgr: **Thomas Palmer**

Permit #: **NA**

Logged By: **Peter Zaffram**

Date Drilled: **2/25/20**

Split Spoon/Acetate Sleeve Dia: **2.5 in**

Drilling Company: **Trec Environmental**

Completion Date: **2/25/20**

Split Spoon/Acetate Sleeve Length: **4 feet**

Drill Operator: **Chris Stockmaster**

Drilling Method: **Direct Push**

Soil Classification System: **Modified Burmister**

Drill Rig Type: **Geoprobe 6620 DT**

Sampling Method: **Macrocore**

Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in**

Surface Elevation:

Abandonment Method: **Soil Cuttings**

Total Depth: **20.25 fbg**

Depth to Water: **4 fbg**

Backfill Material: **Soil Cuttings**

Refusal Depth: **NA**

Well Diameter: **NA**

Abandonment Completion Date: **2/25/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
0	0-1	1	0.1	ASPHALT: Asphalt pavement		
1				FILL: Black to Grey crushed stone, slag, and brick, dry to slightly moist, loose, no odor		
2	1-2	1	0.3			
3	2-4	2	0.0	SAND AND GRAVEL: Brown, fine grained, slightly moist, loose		
4				SAND AND GRAVEL: Brown, fine grained, wet, loose, no odor		
5						
6	4-8	4	0.0			
7						
8						
9	8-10	2	0.0			
10						
11	10-12	2	0.0			
12						
13	12-16	4	0.0			
14						
15						
16	16-18	2	0.0			
17						
18						
19	18-20.25	2	0.0	SANDY SILT: Grey, wet, dense, no odor		
20						

Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
in. = inches; ft. = feet; ppm. = parts per million
Soil Lithologies based on field observations only.
Sample Collected from 2-4 fbg

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level

Lab Sample Location

SB-R31

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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R32**

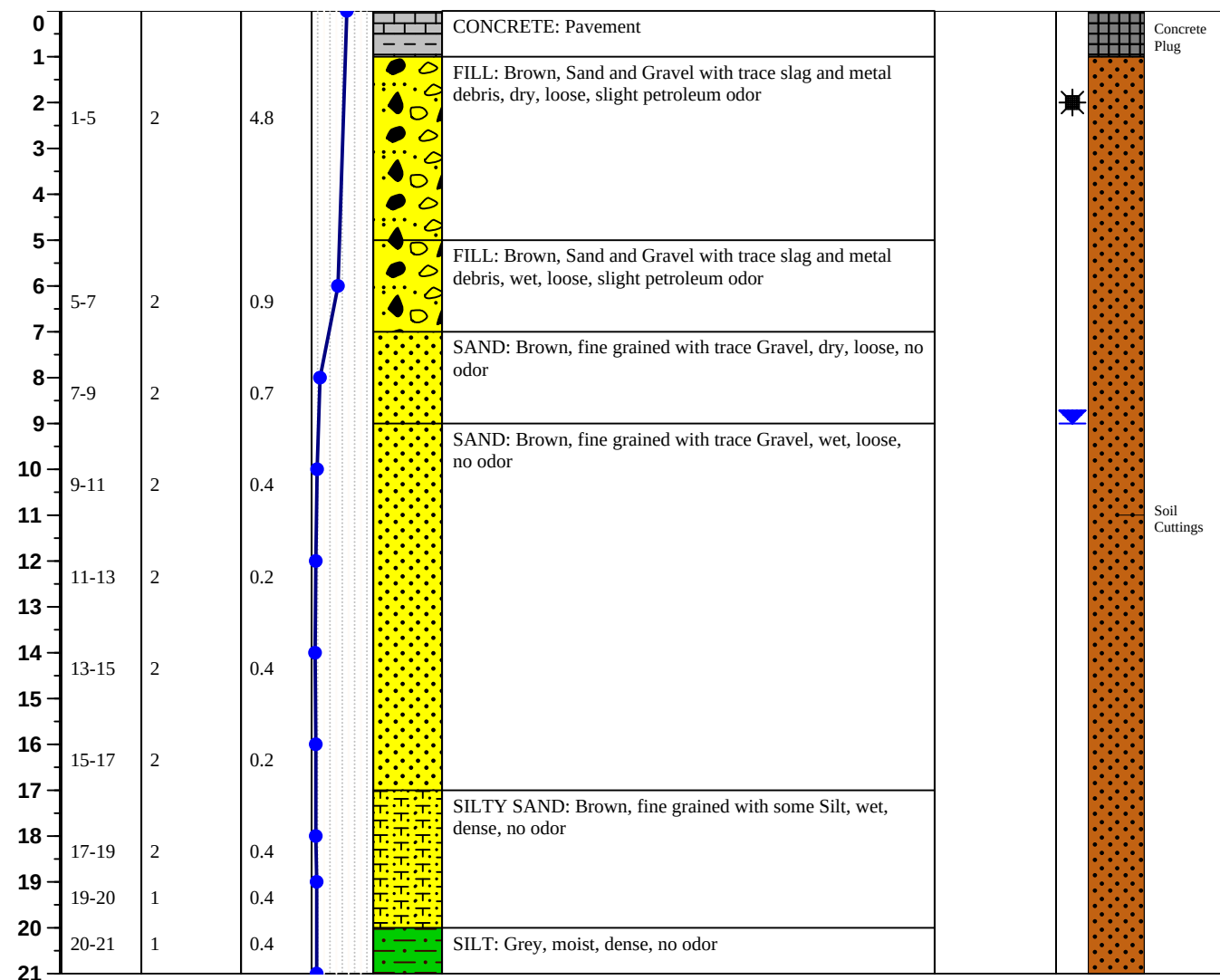
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Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/28/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/28/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **21.00 fbgs** Depth to Water: **9 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/28/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 5			



Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. Sample Collected from 0-4 fbgs	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S)		Symbols: Apparent Water Level Lab Sample Location
		<2 = Very Soft 2-4 = Soft 4-8 = Medium 8-15 = Stiff 15-30 = Very Stiff >30 = Hard	0-4 = Very Loose 4-10 = Loose 10-30 = Medium 30-50 = Dense 50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R33**

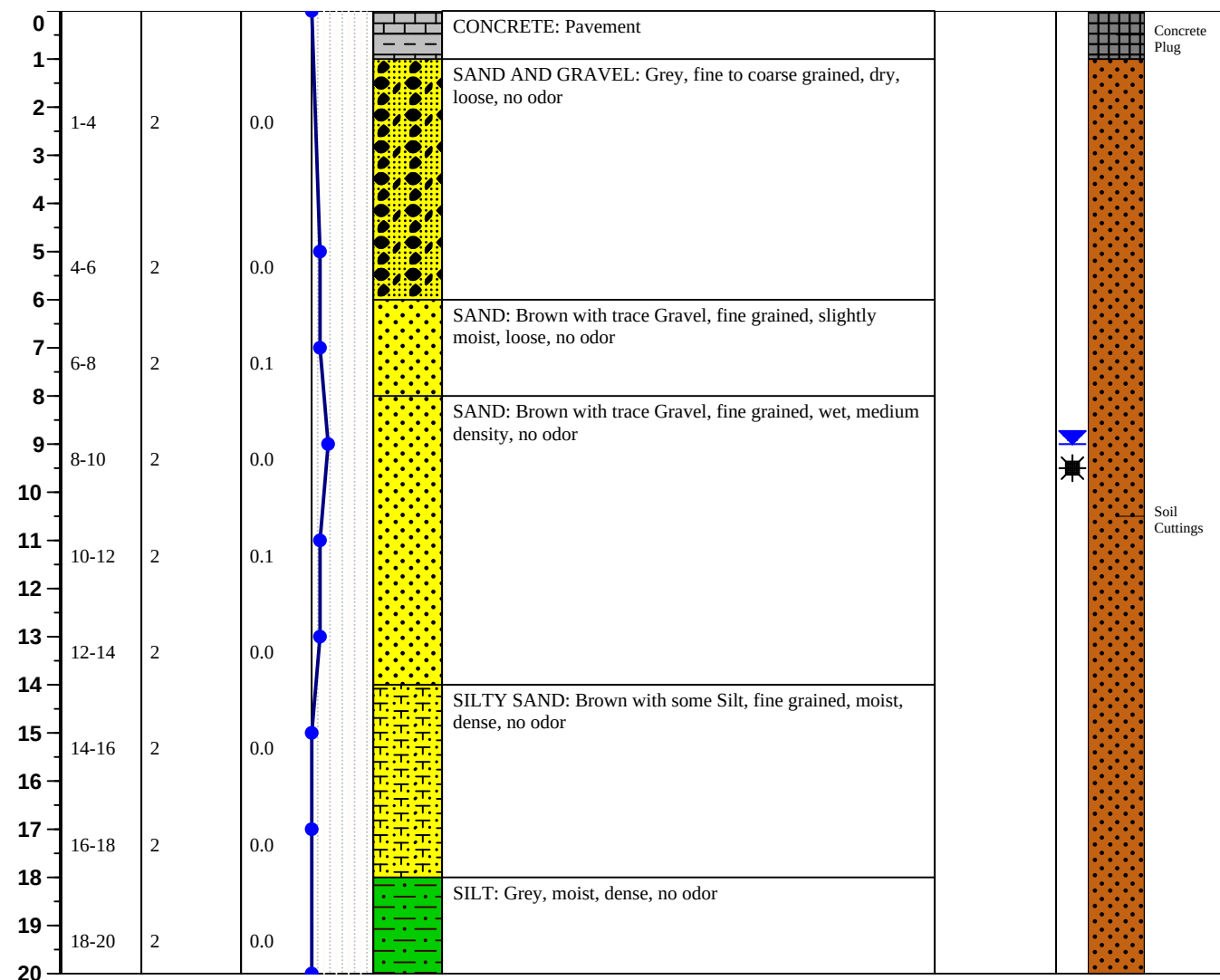
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/2/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/2/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **20.00 fbgs** Depth to Water: **9 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/2/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 0			



Proportions Used:	Notes:	Blow Count Penetration Resistance:	Symbols:
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C)	Apparent Water Level
Little = 10-20%	in. = inches; ft. = feet; ppm. = parts per million	Density (G&S)	Lab Sample Location
Some = 20-35%	Soil Lithologies based on field observations only.	<2 = Very Soft	
And = 35-50%	Sample Collected from 8-10 fbgs	2-4 = Soft	
		4-8 = Medium	
		8-15 = Stiff	
		15-30 = Very Stiff	
		>30 = Hard	
		0-4 = Very Loose	
		4-10 = Loose	
		10-30 = Medium	
		30-50 = Dense	
		50+ = Very Dense	
			SB-R33 p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R34**

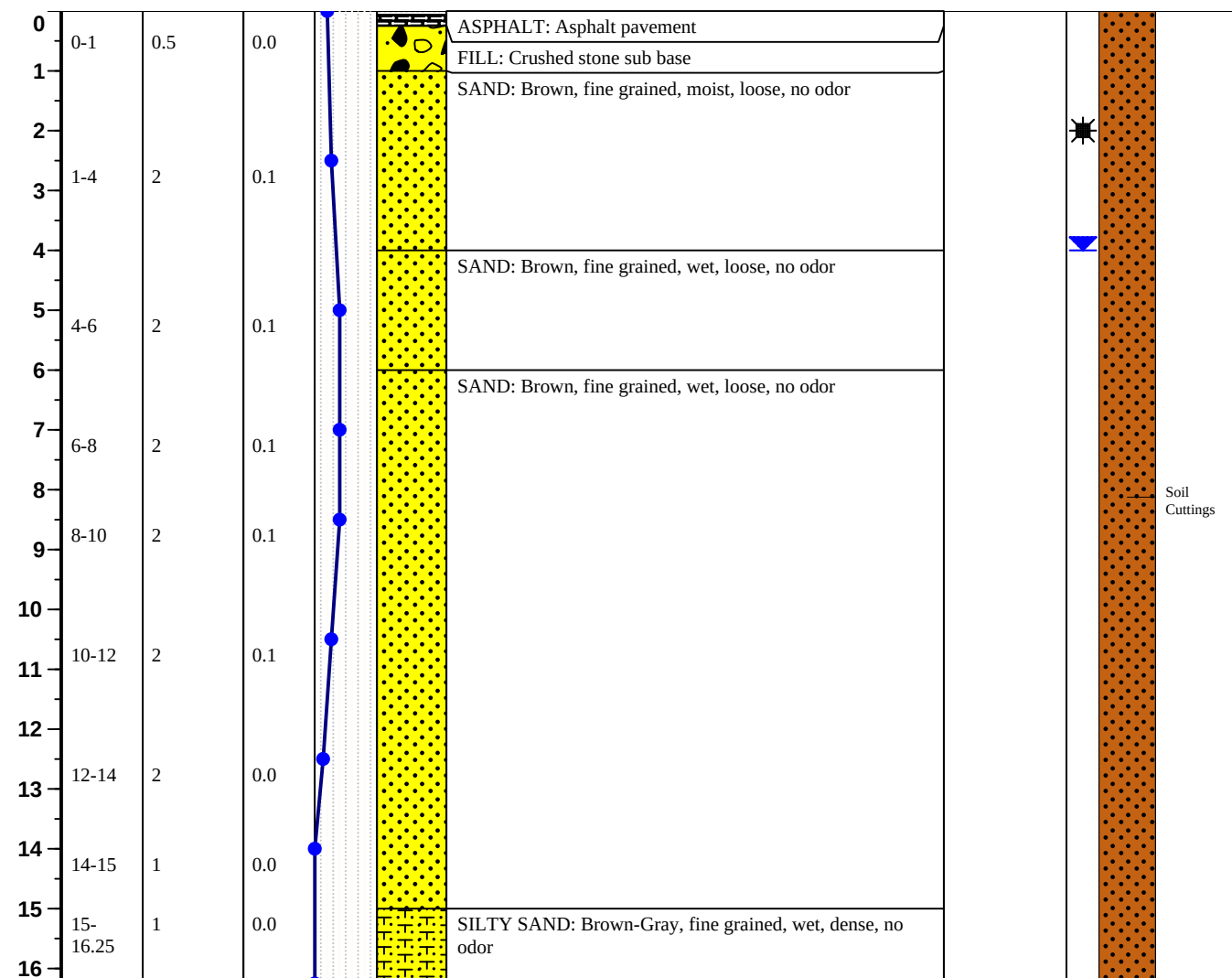
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Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/25/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/25/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **16.25 fbgs** Depth to Water: **4 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/25/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 0 0			



Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 Sample Collected from 1-4 fbgs

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level



Lab Sample Location



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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R35**

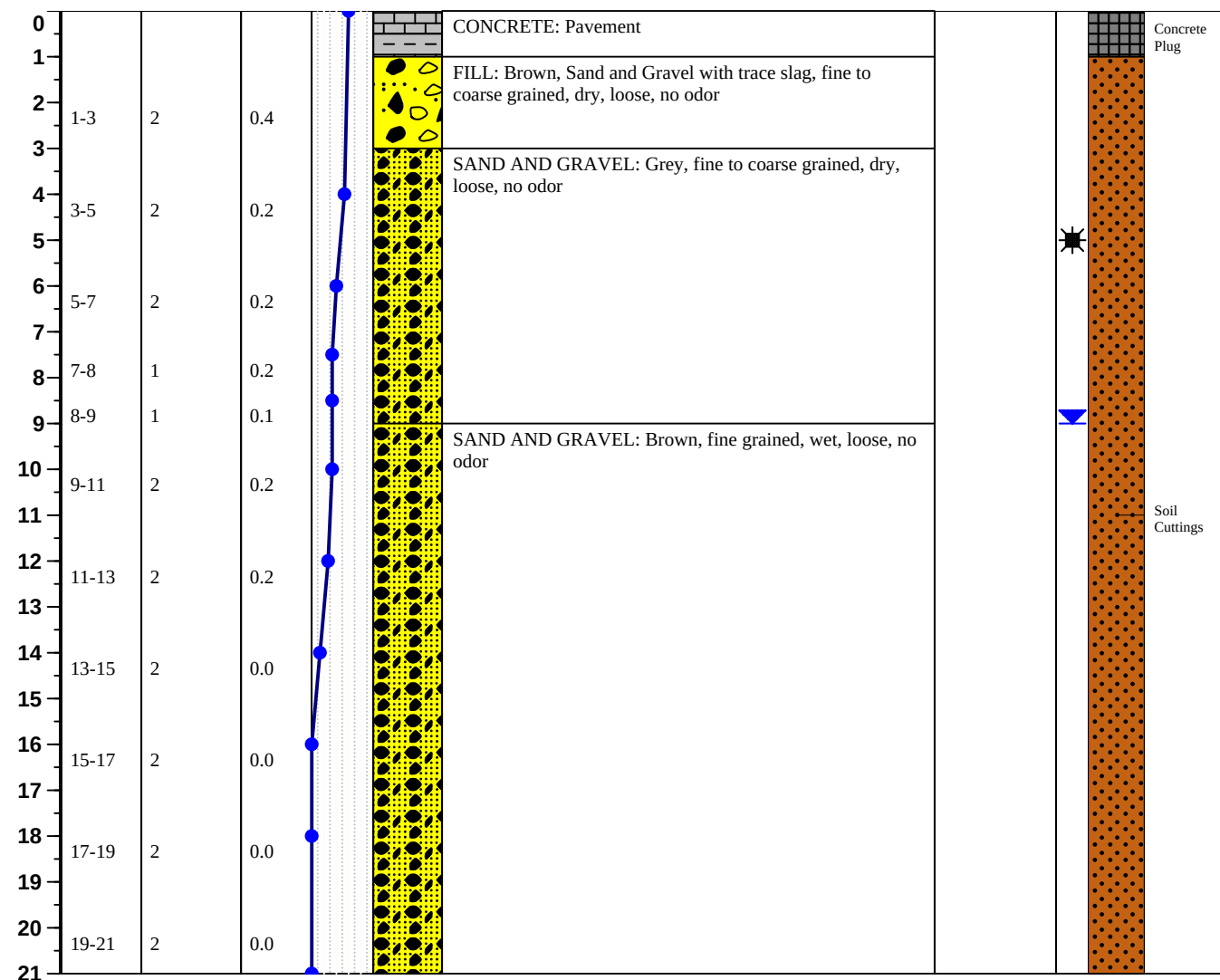
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/2/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/2/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **21.00 fbgs** Depth to Water: **9 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/2/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 1			



Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. Sample Collected from 4-6 fbgs	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S)		Symbols: Apparent Water Level Lab Sample Location
		<2 = Very Soft 2-4 = Soft 4-8 = Medium 8-15 = Stiff 15-30 = Very Stiff >30 = Hard	0-4 = Very Loose 4-10 = Loose 10-30 = Medium 30-50 = Dense 50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R36**

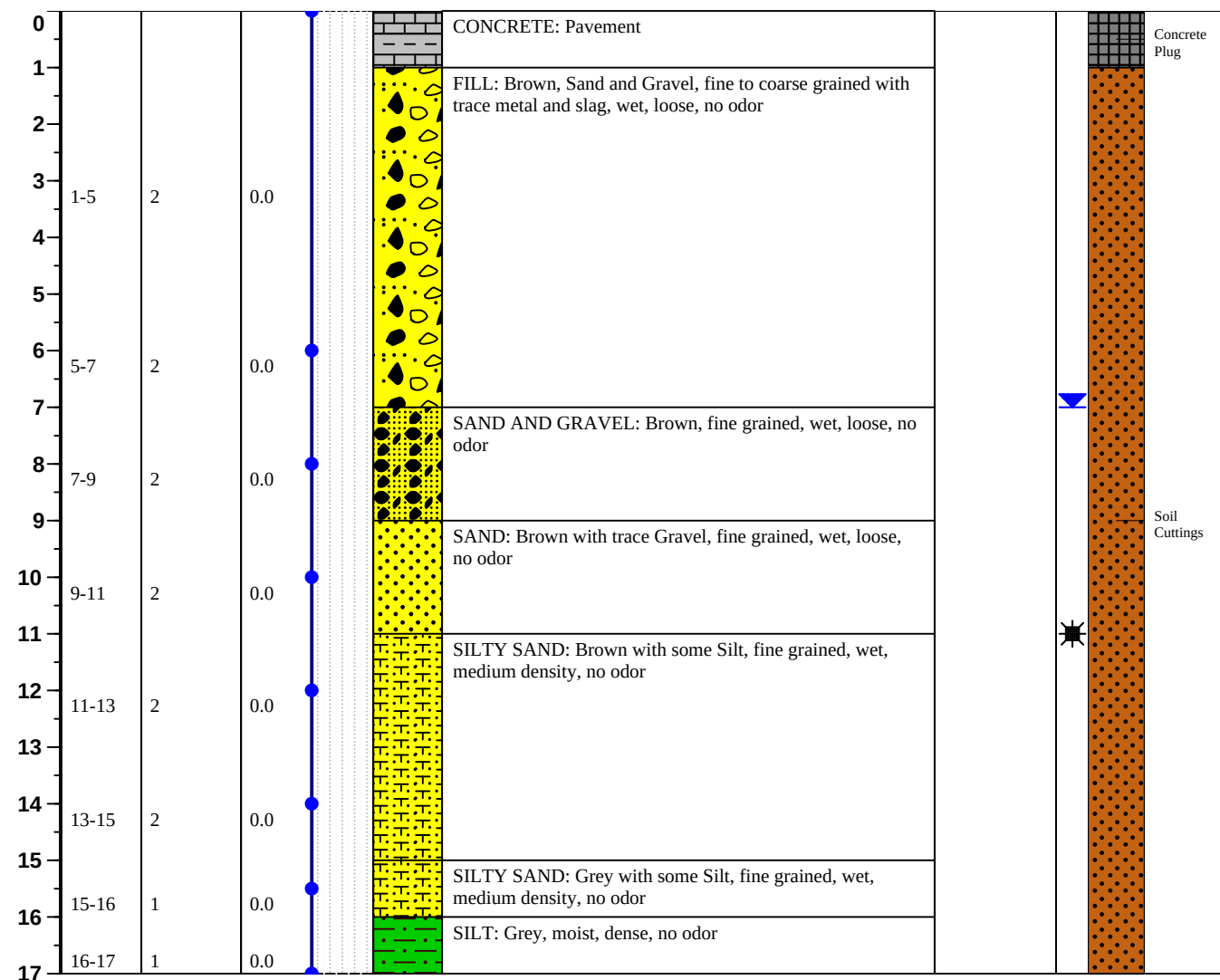
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Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/4/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/4/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Concrete Plug**
 Total Depth: **17.00 fbgs** Depth to Water: **7 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/4/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 100			



Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 Sample Collected 10-12 fbgs

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level



Lab Sample Location



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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R37**

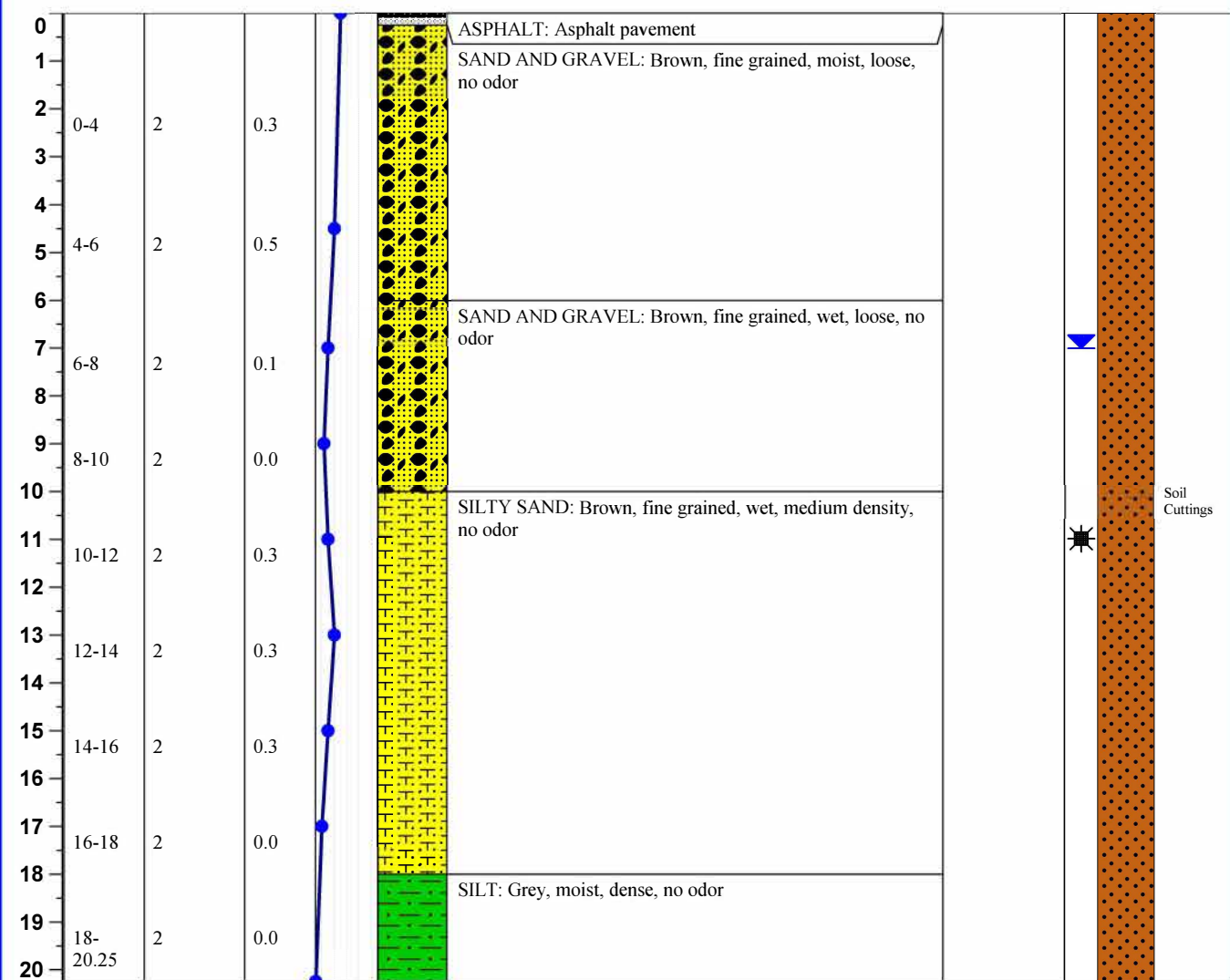
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/11/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/11/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **20.25 fbg** Depth to Water: **6 fbg** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/11/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
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Proportions Used:	Notes:	Blow Count Penetration Resistance:		Symbols:
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C)		Apparent Water Level
Little = 10-20%	in. = inches; ft.= feet; ppm.= parts per million	Density (G&S)		Lab Sample Location
Some = 20-35%	Soil Lithologies based on field observations only.	<2 = Very Soft	0-4 = Very Loose	
And = 35-50%	Sample Collected from 10-12 fbg	2-4 = Soft	4-10 = Loose	
		4-8 = Medium	10-30 = Medium	
		8-15 = Stiff	30-50 = Dense	
		15-30 = Very Stiff	50+ = Very Dense	
		>30 = Hard		



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R38**

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Project: **NYSDEC Frewsburg**

Client: **NYSDEC**

Regulatory Case #: **907016**

Address: **300 Falconer Street**

GES Job #: **0901685**

NYSDEC PM: **Maurice Moore**

County: **Chautauqua County**

GES Project Mgr: **Thomas Palmer**

Permit #: **NA**

Logged By: **Peter Zaffram**

Date Drilled: **3/11/20**

Split Spoon/Acetate Sleeve Dia: **2.5 in**

Drilling Company: **Trec Environmental**

Completion Date: **3/11/20**

Split Spoon/Acetate Sleeve Length: **4 feet**

Drill Operator: **Chris Stockmaster**

Drilling Method: **Direct Push**

Soil Classification System: **Modified Burmister**

Drill Rig Type: **Geoprobe 6620 DT**

Sampling Method: **Macrocore**

Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in**

Surface Elevation:

Abandonment Method: **Soil Cuttings**

Total Depth: **16.00 fbg**

Depth to Water: **4 fbg**

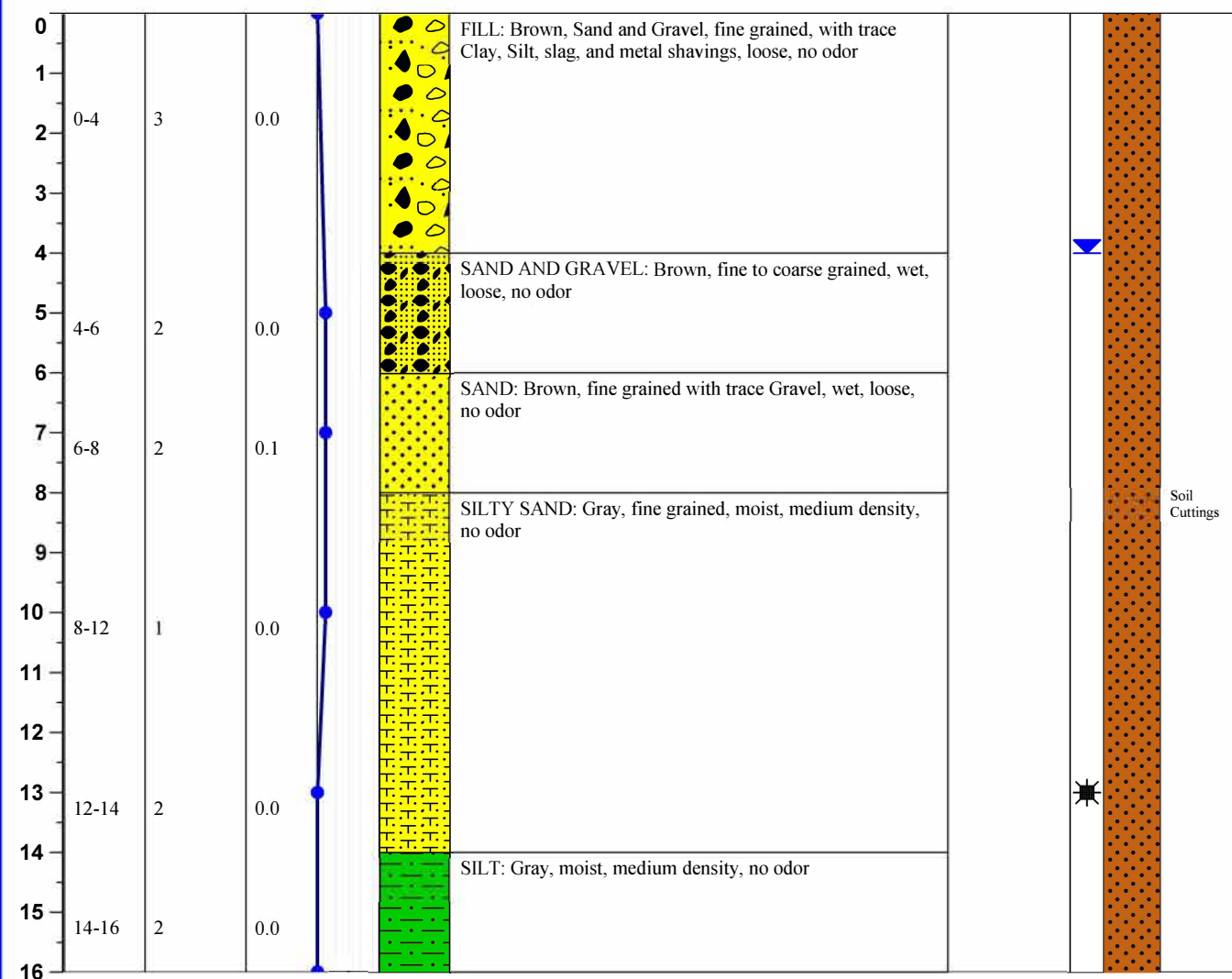
Backfill Material: **Soil Cuttings**

Refusal Depth: **NA**

Well Diameter: **NA**

Abandonment Completion Date: **3/11/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
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Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. Sample Collected 12-14 fbg	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S)		Symbols: Apparent Water Level Lab Sample Location
		<2 = Very Soft 2-4 = Soft 4-8 = Medium 8-15 = Stiff 15-30 = Very Stiff >30 = Hard	0-4 = Very Loose 4-10 = Loose 10-30 = Medium 30-50 = Dense 50+ = Very Dense	

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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R39**

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Project: **NYSDEC Frewsburg**

Client: **NYSDEC**

Regulatory Case #: **907016**

Address: **300 Falconer Street**

GES Job #: **0901685**

NYSDEC PM: **Maurice Moore**

County: **Chautauqua County**

GES Project Mgr: **Thomas Palmer**

Permit #: **NA**

Logged By: **Peter Zaffram**

Date Drilled: **2/24/20**

Split Spoon/Acetate Sleeve Dia: **2.5 in**

Drilling Company: **Trec Environmental**

Completion Date: **2/24/20**

Split Spoon/Acetate Sleeve Length: **4 feet**

Drill Operator: **Chris Stockmaster**

Drilling Method: **Direct Push**

Soil Classification System: **Modified Burmister**

Drill Rig Type: **Geoprobe 6620 DT**

Sampling Method: **Macrocore**

Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in**

Surface Elevation:

Abandonment Method: **Soil Cuttings**

Total Depth: **20.25 fbgs**

Depth to Water: **4 fbgs**

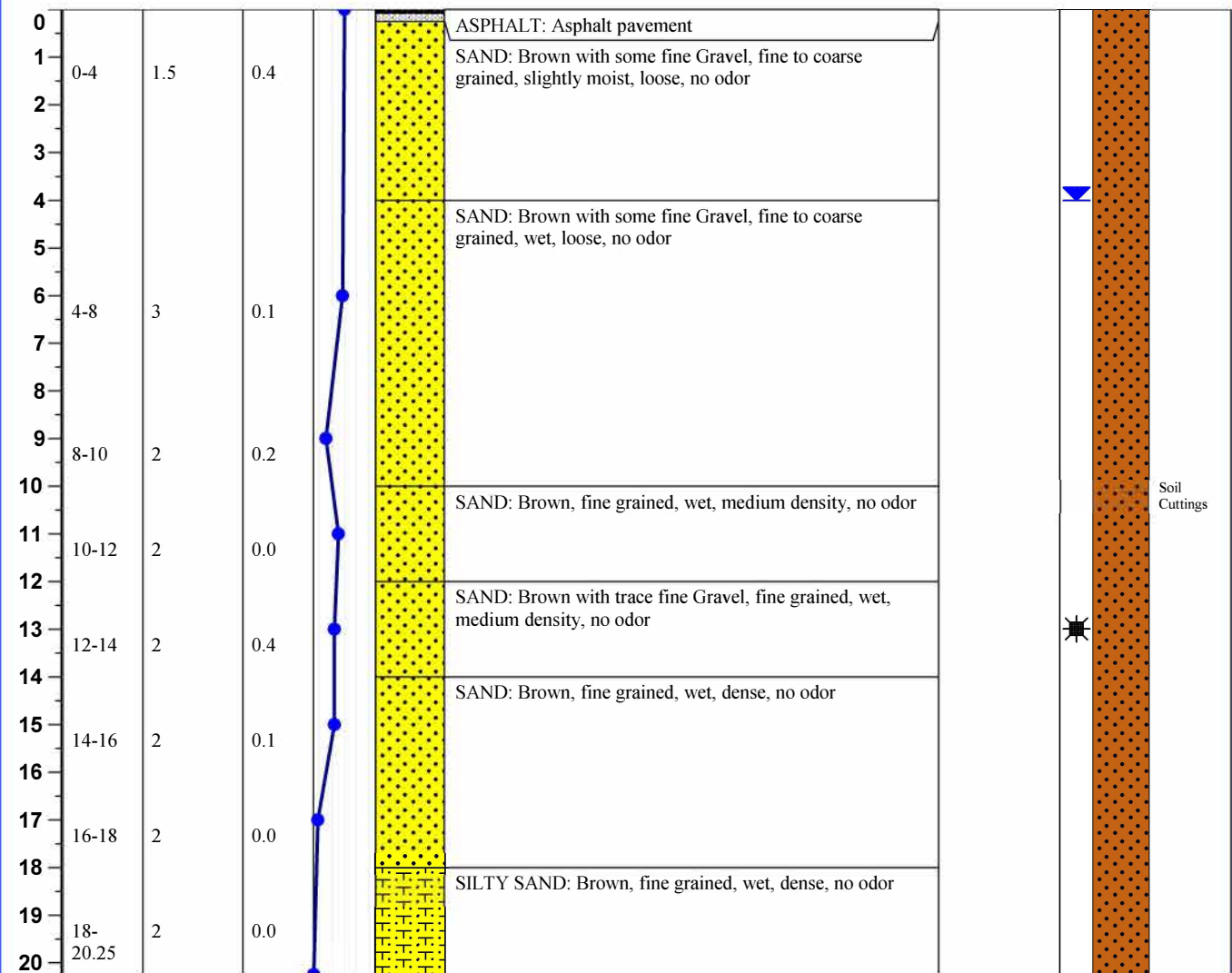
Backfill Material: **Soil Cuttings**

Refusal Depth: **NA**

Well Diameter: **NA**

Abandonment Completion Date: **2/24/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
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Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. Sample Collected from 12-14 fbgs	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S) <2 = Very Soft 0-4 = Very Loose 2-4 = Soft 4-10 = Loose 4-8 = Medium 10-30 = Medium 8-15 = Stiff 30-50 = Dense 15-30 = Very Stiff 50+ = Very Dense >30 = Hard		Symbols: Apparent Water Level
				Lab Sample Location

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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R40**

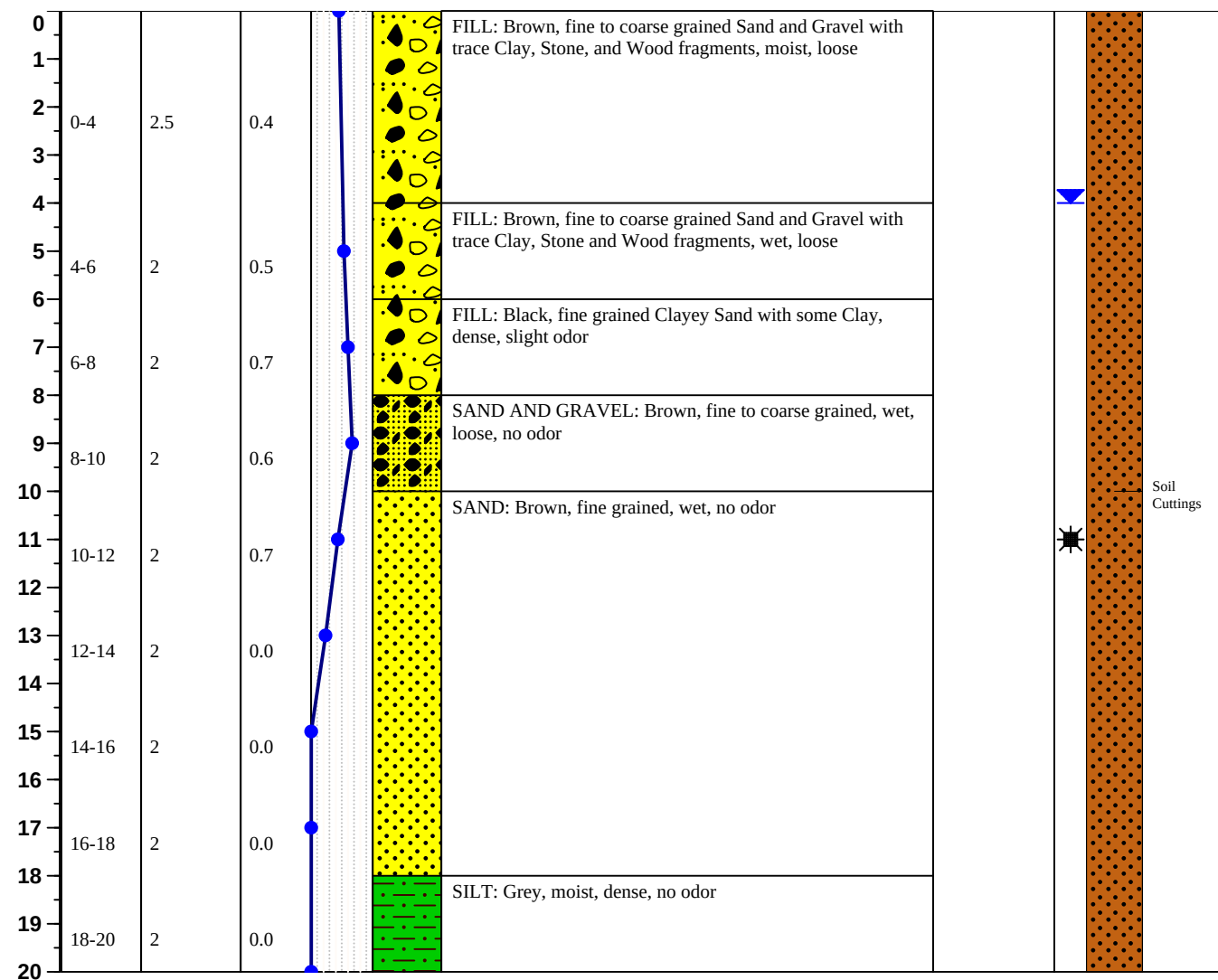
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Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/11/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/11/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **20 fbgs** Depth to Water: **4 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/11/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 1			



Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. Sample collected 10-12 fbgs	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S)		Symbols: Apparent Water Level Lab Sample Location
		<2 = Very Soft 2-4 = Soft 4-8 = Medium 8-15 = Stiff 15-30 = Very Stiff >30 = Hard	0-4 = Very Loose 4-10 = Loose 10-30 = Medium 30-50 = Dense 50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

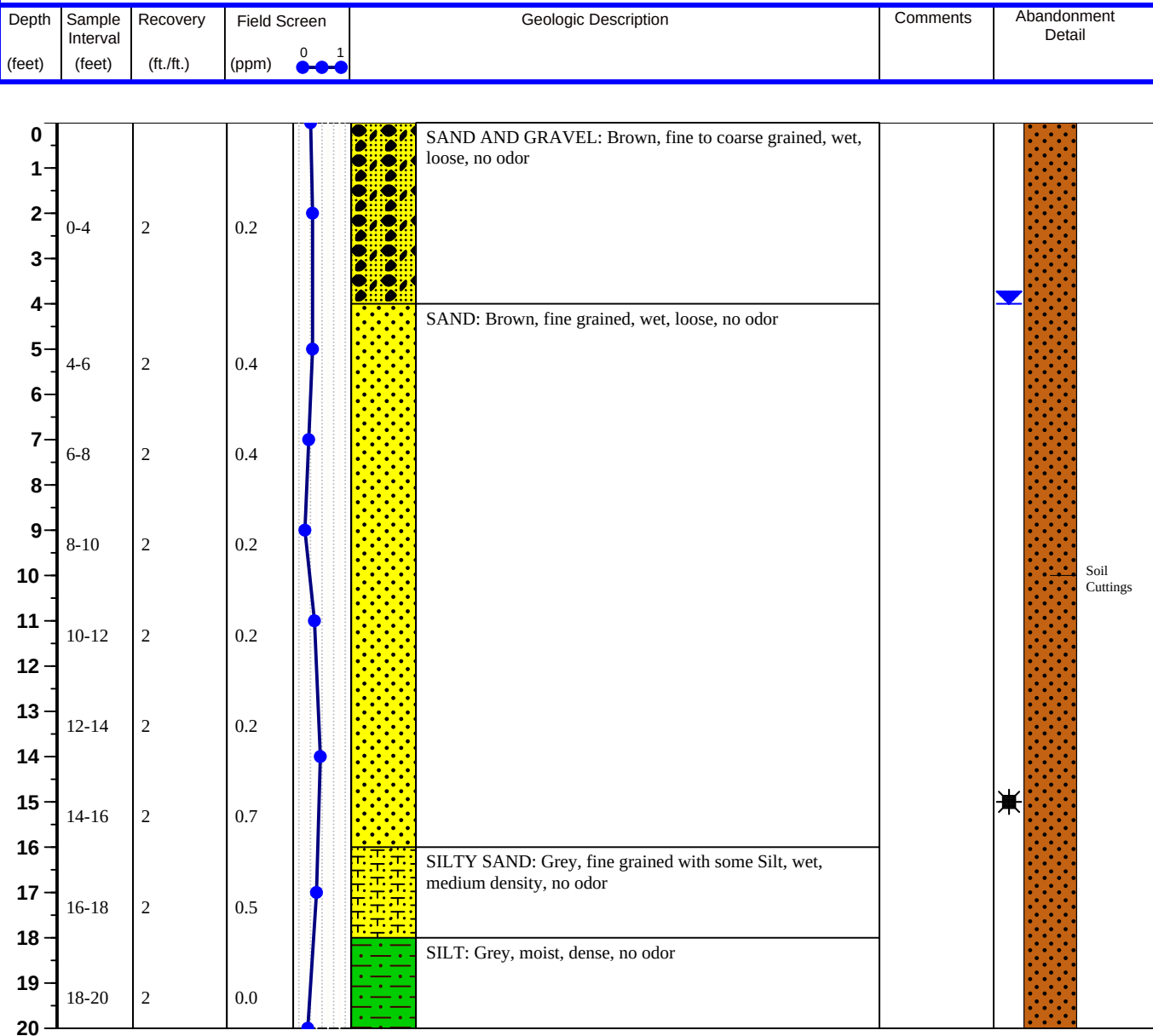
ID NO. **SB-R41**

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Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/11/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/11/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **20 fbgs** Depth to Water: **4 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/11/20**



Proportions Used:

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

Notes:

NA = not applicable; FBGS = ft below ground surface
 in. = inches; ft. = feet; ppm. = parts per million
 Soil Lithologies based on field observations only.
 Sample collected 14-16 fbgs

Blow Count Penetration Resistance:

Consistency (M&C)	Density (G&S)
<2 = Very Soft	0-4 = Very Loose
2-4 = Soft	4-10 = Loose
4-8 = Medium	10-30 = Medium
8-15 = Stiff	30-50 = Dense
15-30 = Very Stiff	50+ = Very Dense
>30 = Hard	

Symbols:

Apparent Water Level



Lab Sample Location



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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R42**

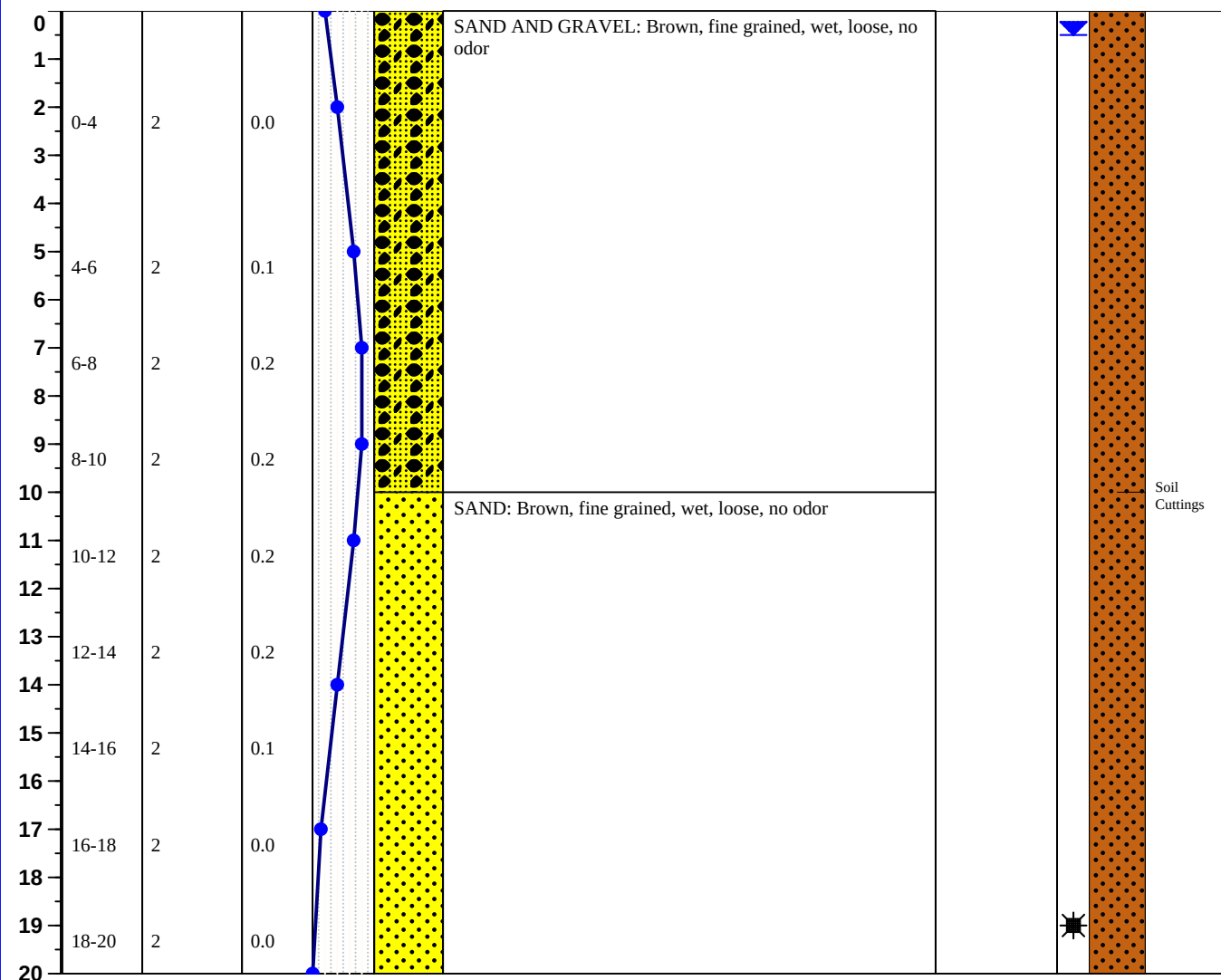
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Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/11/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/11/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **20 fbgs** Depth to Water: **0 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/11/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 0			



Proportions Used:	Notes:	Blow Count Penetration Resistance:	Symbols:
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C)	Apparent Water Level
Little = 10-20%	in. = inches; ft. = feet; ppm. = parts per million	Density (G&S)	Lab Sample Location
Some = 20-35%	Soil Lithologies based on field observations only.	<2 = Very Soft	
And = 35-50%	Sample collected 18-20 fbgs	2-4 = Soft	
		4-8 = Medium	
		8-15 = Stiff	
		15-30 = Very Stiff	
		>30 = Hard	
		0-4 = Very Loose	
		4-10 = Loose	
		10-30 = Medium	
		30-50 = Dense	
		50+ = Very Dense	
			SB-R42 p. 1 of 1



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R43**

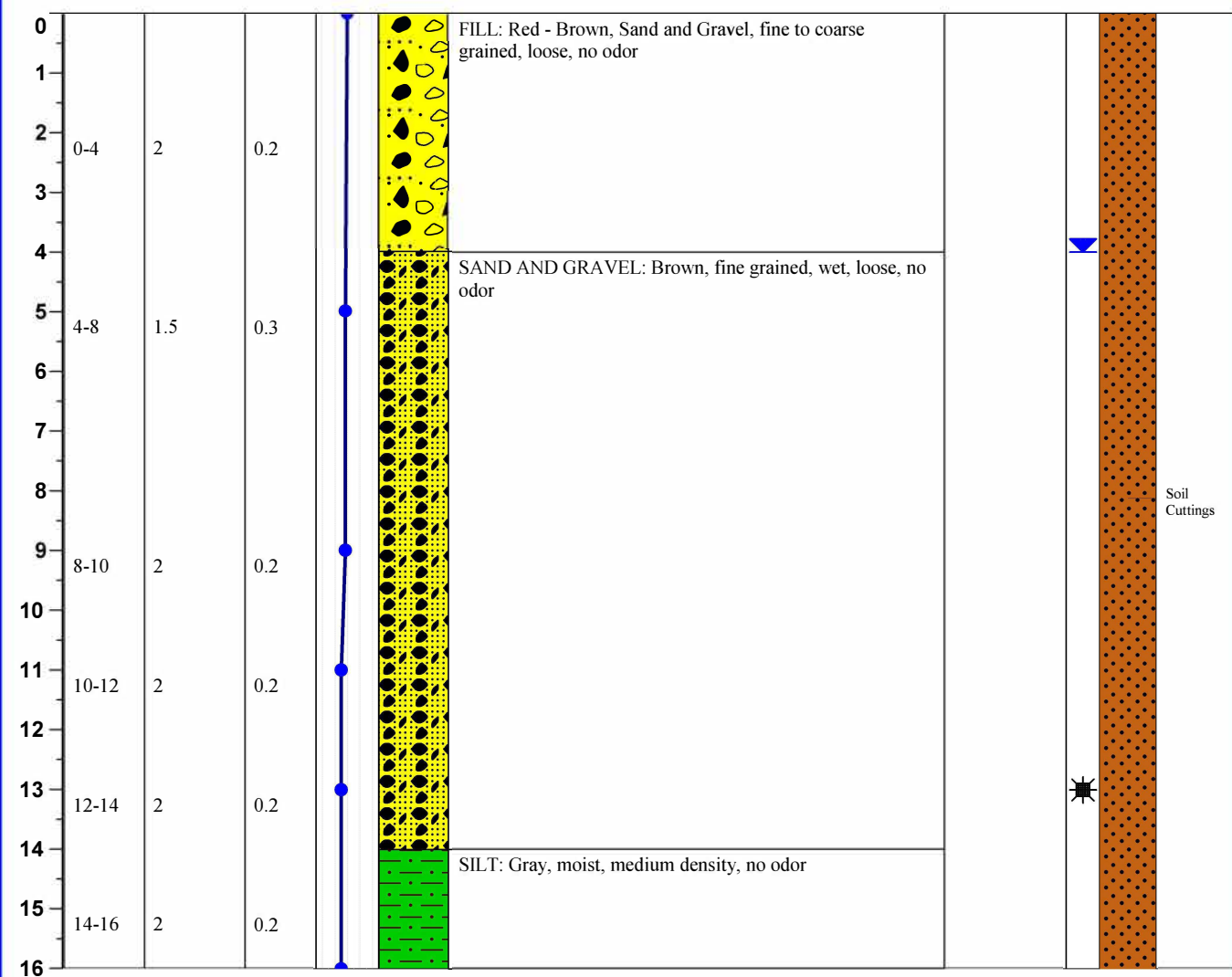
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Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **3/11/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **3/11/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **16.00 fbg** Depth to Water: **4 fbg** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **3/11/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
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<u>Proportions Used:</u>	<u>Notes:</u>	<u>Blow Count Penetration Resistance:</u>		<u>Symbols:</u>
Trace = 0-10%	NA = not applicable; FBGS = ft below ground surface	Consistency (M&C)		Apparent Water Level
Little = 10-20%	in. = inches; ft.= feet; ppm.= parts per million	Density (G&S)		Lab Sample Location
Some = 20-35%	Soil Lithologies based on field observations only.	<2 = Very Soft	0-4 = Very Loose	
And = 35-50%	Sample Collected 12-14 fbg	2-4 = Soft	4-10 = Loose	
		4-8 = Medium	10-30 = Medium	
		8-15 = Stiff	30-50 = Dense	
		15-30 = Very Stiff	50+ = Very Dense	
		>30 = Hard		
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SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R44**

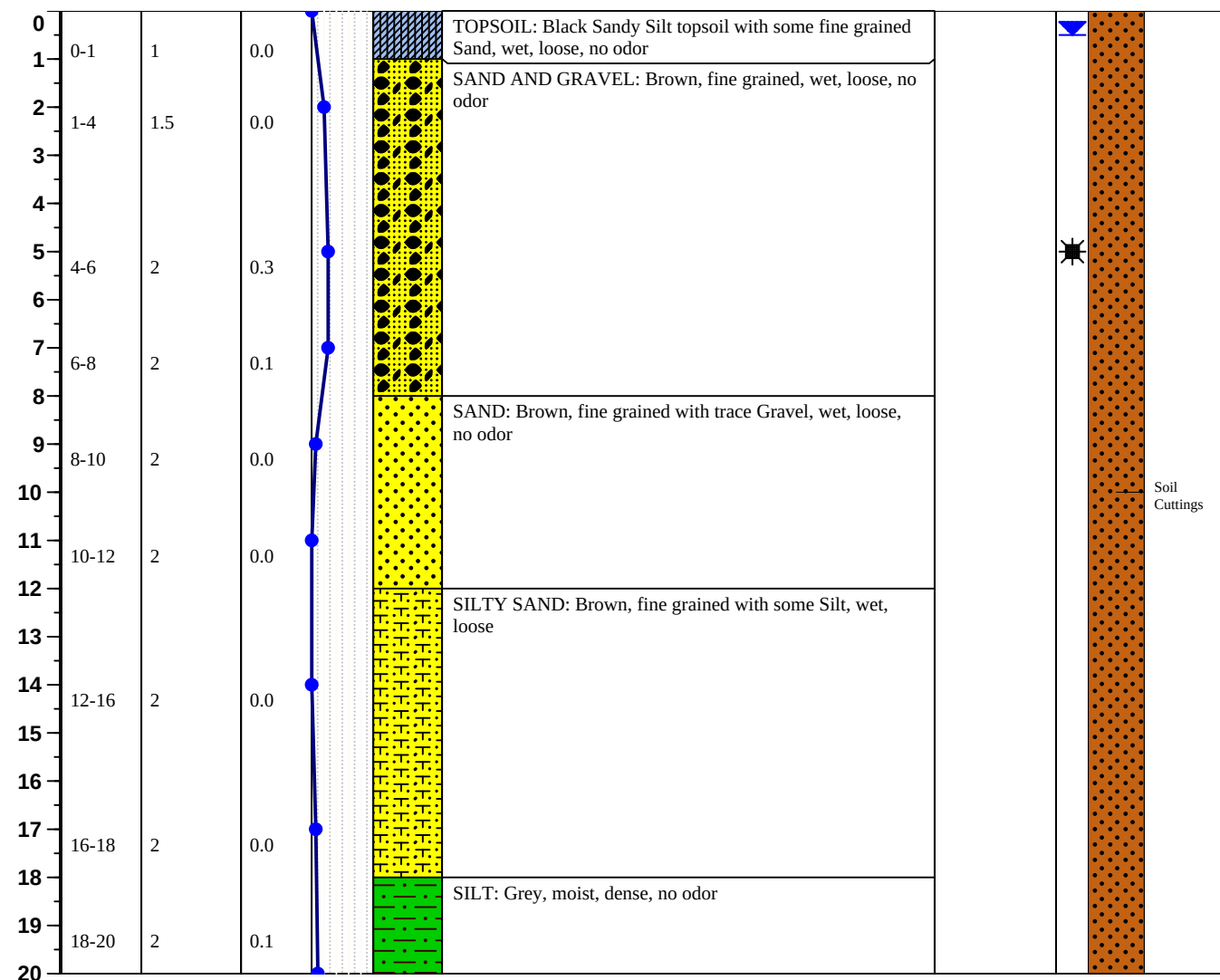
Page 1 of 1

Project: **NYSDEC Frewsburg** Client: **NYSDEC** Regulatory Case #: **907016**
 Address: **300 Falconer Street** GES Job #: **0901685** NYSDEC PM: **Maurice Moore**
 County: **Chautauqua County** GES Project Mgr: **Thomas Palmer** Permit #: **NA**

Logged By: **Peter Zaffram** Date Drilled: **2/26/20** Split Spoon/Acetate Sleeve Dia: **2.5 in**
 Drilling Company: **Trec Environmental** Completion Date: **2/26/20** Split Spoon/Acetate Sleeve Length: **4 feet**
 Drill Operator: **Chris Stockmaster** Drilling Method: **Direct Push** Soil Classification System: **Modified Burmister**
 Drill Rig Type: **Geoprobe 6620 DT** Sampling Method: **Macrocore** Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in** Surface Elevation: Abandonment Method: **Soil Cuttings**
 Total Depth: **20 fbgs** Depth to Water: **0 fbgs** Backfill Material: **Soil Cuttings**
 Refusal Depth: **NA** Well Diameter: **NA** Abandonment Completion Date: **2/26/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
			0 1			



Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. Sample taken 4-6 fbgs	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S)		Symbols: Apparent Water Level Lab Sample Location
		<2 = Very Soft 2-4 = Soft 4-8 = Medium 8-15 = Stiff 15-30 = Very Stiff >30 = Hard	0-4 = Very Loose 4-10 = Loose 10-30 = Medium 30-50 = Dense 50+ = Very Dense	



SOIL BORING LOG

Groundwater & Environmental Services, Inc.

ID NO. **SB-R101**

Page 1 of 1

Project: **NYSDEC Frewsburg**

Client: **NYSDEC**

Regulatory Case #: **907016**

Address: **300 Falconer Street**

GES Job #: **0901685**

NYSDEC PM: **Maurice Moore**

County: **Chautauqua County**

GES Project Mgr: **Thomas Palmer**

Permit #: **NA**

Logged By: **Peter Zaffram**

Date Drilled: **3/10/20**

Split Spoon/Acetate Sleeve Dia: **2.5 in**

Drilling Company: **Trec Environmental**

Completion Date: **3/10/20**

Split Spoon/Acetate Sleeve Length: **8 feet**

Drill Operator: **Chris Stockmaster**

Drilling Method: **Direct Push**

Soil Classification System: **Modified Burmister**

Drill Rig Type: **Geoprobe 6620 DT**

Sampling Method: **Macrocore**

Field Screening: **PID 10.6 eV Lamp (ppm)**

Borehole Diameter: **2.5 in**

Surface Elevation:

Abandonment Method: **Soil Cuttings**

Total Depth: **12 fbgs**

Depth to Water: **8 fbgs**

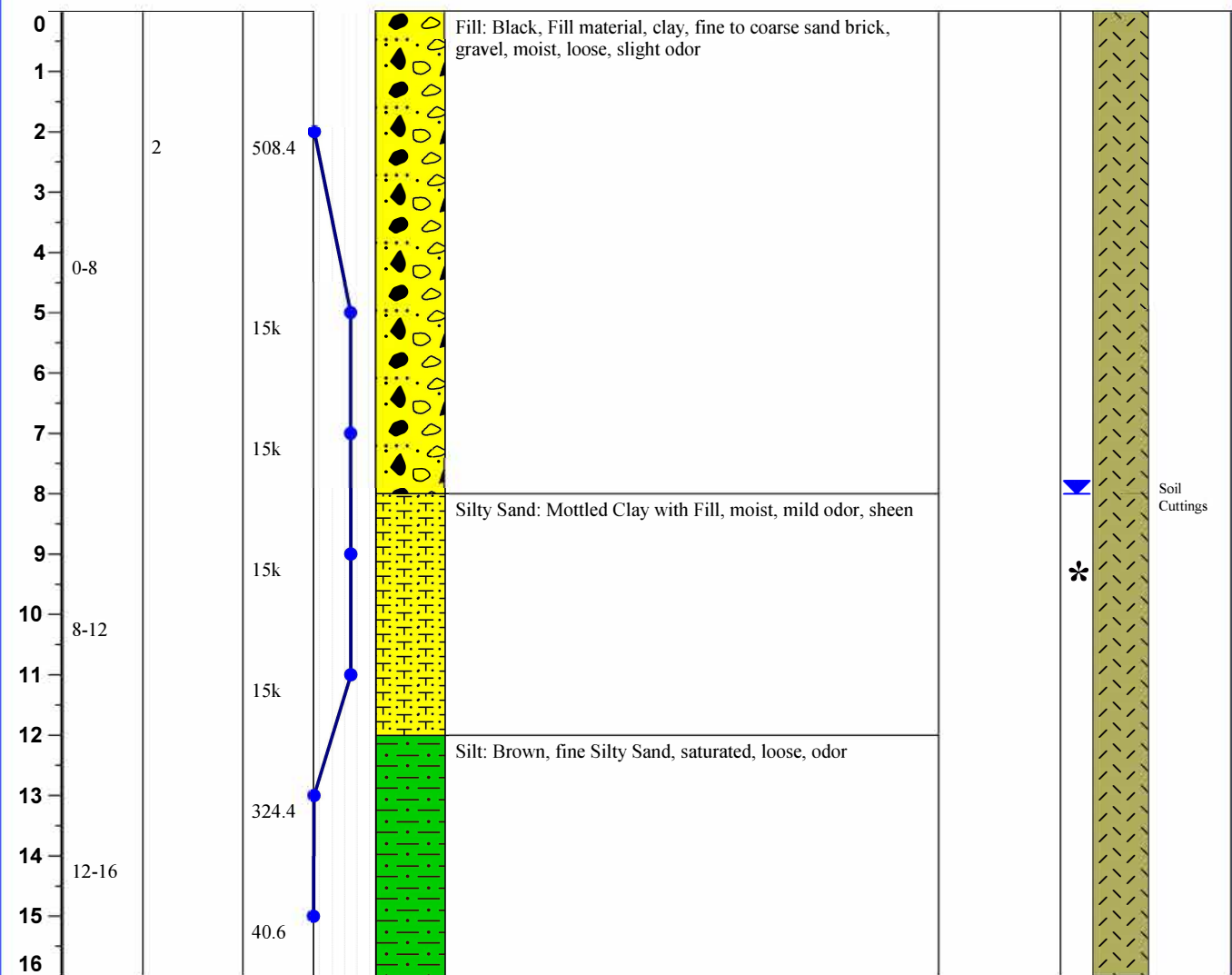
Backfill Material: **Soil Cuttings**

Refusal Depth: **NA**

Well Diameter: **NA**

Abandonment Completion Date: **3/10/20**

Depth (feet)	Sample Interval (feet)	Recovery (ft./ft.)	Field Screen (ppm)	Geologic Description	Comments	Abandonment Detail
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Proportions Used: Trace = 0-10% Little = 10-20% Some = 20-35% And = 35-50%	Notes: NA = not applicable; FBGS = ft below ground surface in. = inches; ft. = feet; ppm. = parts per million Soil Lithologies based on field observations only. No Sample Collected	Blow Count Penetration Resistance: Consistency (M&C) Density (G&S) <2 = Very Soft 0-4 = Very Loose 2-4 = Soft 4-10 = Loose 4-8 = Medium 10-30 = Medium 8-15 = Stiff 30-50 = Dense 15-30 = Very Stiff 50+ = Very Dense >30 = Hard		Symbols: Apparent Water Level
				Lab Sample Location SB-R101 p. 1 of 1



Appendix B – Laboratory Analytical Reports

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-166795-1
Client Project/Site: Frewsburg Site #907016

For:
New York State D.E.C.
270 Michigan Avenue
Buffalo, New York 14203

Attn: Mr. Maurice Moore



Authorized for release by:
3/10/2020 8:36:07 AM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

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results through
TotalAccess

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Orlette Johnson
Senior Project Manager
3/10/2020 8:36:07 AM



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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Job ID: 480-166795-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-166795-1

Receipt

The samples were received on 2/27/2020 12:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.9° C.

GC/MS VOA

Method 8260C: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 480-519433 and analytical batch 480-519380 recovered outside control limits for the following analyte: Chloroethane. Chloroethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Batch precision also exceeded control limits for these analyte. These results have been reported and qualified. The following samples are impacted: SB-R39 (480-166795-1), SB-R34 (480-166795-2), SB-R31 (480-166795-3), SB-R23 (480-166795-4), SB-R19 (480-166795-5), SB-R16 (480-166795-6), SB-R9 (10-12) (480-166795-7), SB-R9 (15-16) (480-166795-8) and SB-R44 (480-166795-10).

Method 8260C: The RPD of the laboratory control sample duplicate (LCSD) for preparation batch 480-519433 and analytical batch 480-519380 recovered outside control limits for the following analytes: Dichlorodifluoromethane, Trichlorofluoromethane and Vinyl chloride. The following samples are impacted: SB-R39 (480-166795-1), SB-R34 (480-166795-2), SB-R31 (480-166795-3), SB-R23 (480-166795-4), SB-R19 (480-166795-5), SB-R16 (480-166795-6), SB-R9 (10-12) (480-166795-7), SB-R9 (15-16) (480-166795-8) and SB-R44 (480-166795-10).

Method 8260C: Due to the co-elution of Ethyl Acetate with 2-Butanone the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with batch 480-519380. The following samples were affected : SB-R39 (480-166795-1), SB-R34 (480-166795-2), SB-R31 (480-166795-3), SB-R23 (480-166795-4), SB-R19 (480-166795-5), SB-R16 (480-166795-6), SB-R9 (10-12) (480-166795-7), SB-R9 (15-16) (480-166795-8) and SB-R44 (480-166795-10).

Method 8260C: Due to the co-elution of Ethyl Acetate with 2-Butanone in the full spike solution, 2-Butanone exceeded control limits in the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with batch 480-519564 . The following sample is impacted: SB-R5 (480-166795-9).

Method 8260C: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for preparation batch 480-519563 and analytical batch 480-519564 recovered outside control limits for the following analyte: Chloroethane. Chloroethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-analysis was not performed. The following sample is affected: SB-R5 (480-166795-9).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-519934 recovered outside acceptance criteria, low biased, for 1,2,4-Trichlorobenzene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: SB-R9 (10-12) (480-166795-7) and SB-R9 (15-16) (480-166795-8).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-519934 recovered above the upper control limit for 1,4-Dioxane. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The following samples are impacted: SB-R9 (10-12) (480-166795-7) and SB-R9 (15-16) (480-166795-8).

Method 8260C: The following sample was analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: SB-R9 (10-12) (480-166795-7). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: SB-R9 (15-16) (480-166795-8). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R39

Lab Sample ID: 480-166795-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	4.0	J *	20	1.4	ug/Kg	1	✱	8260C	Total/NA
Acetone	11	J	20	3.3	ug/Kg	1	✱	8260C	Total/NA
Benzene	2.6	J	3.9	0.19	ug/Kg	1	✱	8260C	Total/NA
Cyclohexane	4.3		3.9	0.55	ug/Kg	1	✱	8260C	Total/NA
Ethylbenzene	0.75	J	3.9	0.27	ug/Kg	1	✱	8260C	Total/NA
Methylcyclohexane	5.8		3.9	0.59	ug/Kg	1	✱	8260C	Total/NA
Toluene	5.4		3.9	0.30	ug/Kg	1	✱	8260C	Total/NA
Xylenes, Total	5.3	J	7.8	0.66	ug/Kg	1	✱	8260C	Total/NA

Client Sample ID: SB-R34

Lab Sample ID: 480-166795-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	18	J	20	3.4	ug/Kg	1	✱	8260C	Total/NA

Client Sample ID: SB-R31

Lab Sample ID: 480-166795-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	6.1	J *	19	1.4	ug/Kg	1	✱	8260C	Total/NA
Acetone	30		19	3.2	ug/Kg	1	✱	8260C	Total/NA
Benzene	0.23	J	3.8	0.19	ug/Kg	1	✱	8260C	Total/NA

Client Sample ID: SB-R23

Lab Sample ID: 480-166795-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	18	J	21	3.5	ug/Kg	1	✱	8260C	Total/NA
Benzene	0.27	J	4.1	0.20	ug/Kg	1	✱	8260C	Total/NA
cis-1,2-Dichloroethene	0.66	J	4.1	0.53	ug/Kg	1	✱	8260C	Total/NA
Cyclohexane	0.61	J	4.1	0.57	ug/Kg	1	✱	8260C	Total/NA
Methylcyclohexane	0.70	J	4.1	0.62	ug/Kg	1	✱	8260C	Total/NA
Toluene	0.31	J	4.1	0.31	ug/Kg	1	✱	8260C	Total/NA

Client Sample ID: SB-R19

Lab Sample ID: 480-166795-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	4.4	J *	19	1.4	ug/Kg	1	✱	8260C	Total/NA
Acetone	25		19	3.2	ug/Kg	1	✱	8260C	Total/NA
Benzene	0.50	J	3.8	0.19	ug/Kg	1	✱	8260C	Total/NA
cis-1,2-Dichloroethene	0.98	J	3.8	0.49	ug/Kg	1	✱	8260C	Total/NA
Cyclohexane	0.70	J	3.8	0.53	ug/Kg	1	✱	8260C	Total/NA
Methylcyclohexane	0.88	J	3.8	0.58	ug/Kg	1	✱	8260C	Total/NA
Toluene	0.99	J	3.8	0.29	ug/Kg	1	✱	8260C	Total/NA
Trichloroethene	3.1	J	3.8	0.84	ug/Kg	1	✱	8260C	Total/NA

Client Sample ID: SB-R16

Lab Sample ID: 480-166795-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	29		23	3.8	ug/Kg	1	✱	8260C	Total/NA
Trichloroethene	25		4.5	0.99	ug/Kg	1	✱	8260C	Total/NA

Client Sample ID: SB-R9 (10-12)

Lab Sample ID: 480-166795-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	15	J	19	3.3	ug/Kg	1	✱	8260C	Total/NA
Benzene	3.3	J	3.9	0.19	ug/Kg	1	✱	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R9 (10-12) (Continued)

Lab Sample ID: 480-166795-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.4		3.9	0.50	ug/Kg	1		✱	8260C	Total/NA
Cyclohexane	7.3		3.9	0.55	ug/Kg	1		✱	8260C	Total/NA
Ethylbenzene	1.2	J	3.9	0.27	ug/Kg	1		✱	8260C	Total/NA
Methylcyclohexane	11		3.9	0.59	ug/Kg	1		✱	8260C	Total/NA
Toluene	8.1		3.9	0.29	ug/Kg	1		✱	8260C	Total/NA
Trichloroethene	290	E	3.9	0.86	ug/Kg	1		✱	8260C	Total/NA
Xylenes, Total	7.7	J	7.8	0.65	ug/Kg	1		✱	8260C	Total/NA
Methyl acetate - DL	67	J	230	22	ug/Kg	1		✱	8260C	Total/NA
Trichloroethene - DL	860		45	13	ug/Kg	1		✱	8260C	Total/NA

Client Sample ID: SB-R9 (15-16)

Lab Sample ID: 480-166795-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethene	2.1	J	5.3	0.65	ug/Kg	1		✱	8260C	Total/NA
Acetone	26	J	27	4.5	ug/Kg	1		✱	8260C	Total/NA
Benzene	1.7	J	5.3	0.26	ug/Kg	1		✱	8260C	Total/NA
cis-1,2-Dichloroethene	180		5.3	0.68	ug/Kg	1		✱	8260C	Total/NA
Cyclohexane	2.6	J	5.3	0.74	ug/Kg	1		✱	8260C	Total/NA
Methylcyclohexane	2.8	J	5.3	0.81	ug/Kg	1		✱	8260C	Total/NA
Methylene Chloride	4.0	J	5.3	2.4	ug/Kg	1		✱	8260C	Total/NA
Toluene	2.5	J	5.3	0.40	ug/Kg	1		✱	8260C	Total/NA
trans-1,2-Dichloroethene	5.2	J	5.3	0.55	ug/Kg	1		✱	8260C	Total/NA
Trichloroethene	2900	E	5.3	1.2	ug/Kg	1		✱	8260C	Total/NA
Vinyl chloride	1.5	J *	5.3	0.65	ug/Kg	1		✱	8260C	Total/NA
Xylenes, Total	1.2	J	11	0.89	ug/Kg	1		✱	8260C	Total/NA
cis-1,2-Dichloroethene - DL	350	J	420	120	ug/Kg	8		✱	8260C	Total/NA
Trichloroethene - DL	22000		420	120	ug/Kg	8		✱	8260C	Total/NA

Client Sample ID: SB-R5

Lab Sample ID: 480-166795-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
2-Butanone (MEK)	5.2	J *	21	1.6	ug/Kg	1		✱	8260C	Total/NA
Acetone	39		21	3.6	ug/Kg	1		✱	8260C	Total/NA
cis-1,2-Dichloroethene	6.2		4.3	0.55	ug/Kg	1		✱	8260C	Total/NA
Trichloroethene	27		4.3	0.94	ug/Kg	1		✱	8260C	Total/NA

Client Sample ID: SB-R44

Lab Sample ID: 480-166795-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acetone	13	J	22	3.7	ug/Kg	1		✱	8260C	Total/NA
Benzene	3.5	J	4.3	0.21	ug/Kg	1		✱	8260C	Total/NA
Cyclohexane	8.1		4.3	0.61	ug/Kg	1		✱	8260C	Total/NA
Ethylbenzene	1.3	J	4.3	0.30	ug/Kg	1		✱	8260C	Total/NA
Methylcyclohexane	11		4.3	0.66	ug/Kg	1		✱	8260C	Total/NA
Toluene	8.3		4.3	0.33	ug/Kg	1		✱	8260C	Total/NA
Trichloroethene	0.99	J	4.3	0.96	ug/Kg	1		✱	8260C	Total/NA
Xylenes, Total	7.5	J	8.7	0.73	ug/Kg	1		✱	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R39

Lab Sample ID: 480-166795-1

Date Collected: 02/24/20 12:30

Matrix: Solid

Date Received: 02/27/20 12:30

Percent Solids: 87.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.9	0.28	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
1,1,2,2-Tetrachloroethane	ND		3.9	0.63	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
1,1,2-Trichloroethane	ND		3.9	0.51	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.9	0.89	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
1,1-Dichloroethane	ND		3.9	0.48	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
1,1-Dichloroethene	ND		3.9	0.48	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
1,2,4-Trichlorobenzene	ND		3.9	0.24	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
1,2-Dibromo-3-Chloropropane	ND		3.9	2.0	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
1,2-Dichlorobenzene	ND		3.9	0.31	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
1,2-Dichloroethane	ND		3.9	0.20	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
1,2-Dichloropropane	ND		3.9	2.0	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
1,3-Dichlorobenzene	ND		3.9	0.20	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
1,4-Dichlorobenzene	ND		3.9	0.55	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
2-Butanone (MEK)	4.0	J *	20	1.4	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
2-Hexanone	ND		20	2.0	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
4-Methyl-2-pentanone (MIBK)	ND		20	1.3	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Acetone	11	J	20	3.3	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Benzene	2.6	J	3.9	0.19	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Bromodichloromethane	ND		3.9	0.52	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Bromoform	ND		3.9	2.0	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Bromomethane	ND		3.9	0.35	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Carbon disulfide	ND		3.9	2.0	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Carbon tetrachloride	ND		3.9	0.38	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Chlorobenzene	ND		3.9	0.52	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Dibromochloromethane	ND		3.9	0.50	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Chloroethane	ND *		3.9	0.88	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Chloroform	ND		3.9	0.24	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Chloromethane	ND		3.9	0.24	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
1,4-Dioxane	ND		78	17	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
cis-1,2-Dichloroethene	ND		3.9	0.50	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
cis-1,3-Dichloropropene	ND		3.9	0.56	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Cyclohexane	4.3		3.9	0.55	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Dichlorodifluoromethane	ND *		3.9	0.32	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Ethylbenzene	0.75	J	3.9	0.27	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
1,2-Dibromoethane	ND		3.9	0.50	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Isopropylbenzene	ND		3.9	0.59	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Methyl acetate	ND		20	2.4	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Methyl tert-butyl ether	ND		3.9	0.38	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Methylcyclohexane	5.8		3.9	0.59	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Methylene Chloride	ND		3.9	1.8	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Styrene	ND		3.9	0.20	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Tetrachloroethene	ND		3.9	0.52	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Toluene	5.4		3.9	0.30	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
trans-1,2-Dichloroethene	ND		3.9	0.40	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
trans-1,3-Dichloropropene	ND		3.9	1.7	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Trichloroethene	ND		3.9	0.86	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Trichlorofluoromethane	ND *		3.9	0.37	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Vinyl chloride	ND *		3.9	0.48	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1
Xylenes, Total	5.3	J	7.8	0.66	ug/Kg	☼	02/27/20 15:30	02/28/20 15:17	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R39

Date Collected: 02/24/20 12:30

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-1

Matrix: Solid

Percent Solids: 87.1

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	98		71 - 125	02/27/20 15:30	02/28/20 15:17	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	106		64 - 126	02/27/20 15:30	02/28/20 15:17	1
<i>4-Bromofluorobenzene (Surr)</i>	99		72 - 126	02/27/20 15:30	02/28/20 15:17	1
<i>Dibromofluoromethane (Surr)</i>	99		60 - 140	02/27/20 15:30	02/28/20 15:17	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R34

Lab Sample ID: 480-166795-2

Date Collected: 02/25/20 08:10

Matrix: Solid

Date Received: 02/27/20 12:30

Percent Solids: 84.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	0.29	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
1,1,2,2-Tetrachloroethane	ND		4.0	0.65	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
1,1,2-Trichloroethane	ND		4.0	0.52	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	0.91	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
1,1-Dichloroethane	ND		4.0	0.49	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
1,1-Dichloroethene	ND		4.0	0.49	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
1,2,4-Trichlorobenzene	ND		4.0	0.24	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
1,2-Dibromo-3-Chloropropane	ND		4.0	2.0	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
1,2-Dichlorobenzene	ND		4.0	0.31	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
1,2-Dichloroethane	ND		4.0	0.20	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
1,2-Dichloropropane	ND		4.0	2.0	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
1,3-Dichlorobenzene	ND		4.0	0.21	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
1,4-Dichlorobenzene	ND		4.0	0.56	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
2-Butanone (MEK)	ND	*	20	1.5	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
2-Hexanone	ND		20	2.0	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
4-Methyl-2-pentanone (MIBK)	ND		20	1.3	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Acetone	18	J	20	3.4	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Benzene	ND		4.0	0.20	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Bromodichloromethane	ND		4.0	0.54	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Bromoform	ND		4.0	2.0	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Bromomethane	ND		4.0	0.36	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Carbon disulfide	ND		4.0	2.0	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Carbon tetrachloride	ND		4.0	0.39	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Chlorobenzene	ND		4.0	0.53	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Dibromochloromethane	ND		4.0	0.51	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Chloroethane	ND	*	4.0	0.90	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Chloroform	ND		4.0	0.25	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Chloromethane	ND		4.0	0.24	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
1,4-Dioxane	ND		80	17	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
cis-1,2-Dichloroethene	ND		4.0	0.51	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
cis-1,3-Dichloropropene	ND		4.0	0.58	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Cyclohexane	ND		4.0	0.56	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Dichlorodifluoromethane	ND	*	4.0	0.33	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Ethylbenzene	ND		4.0	0.28	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
1,2-Dibromoethane	ND		4.0	0.51	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Isopropylbenzene	ND		4.0	0.60	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Methyl acetate	ND		20	2.4	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Methyl tert-butyl ether	ND		4.0	0.39	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Methylcyclohexane	ND		4.0	0.61	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Methylene Chloride	ND		4.0	1.8	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Styrene	ND		4.0	0.20	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Tetrachloroethene	ND		4.0	0.54	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Toluene	ND		4.0	0.30	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
trans-1,2-Dichloroethene	ND		4.0	0.41	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
trans-1,3-Dichloropropene	ND		4.0	1.8	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Trichloroethene	ND		4.0	0.88	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Trichlorofluoromethane	ND	*	4.0	0.38	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Vinyl chloride	ND	*	4.0	0.49	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1
Xylenes, Total	ND		8.0	0.67	ug/Kg	☼	02/27/20 15:30	02/28/20 15:42	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R34

Date Collected: 02/25/20 08:10

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-2

Matrix: Solid

Percent Solids: 84.4

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	97		71 - 125	02/27/20 15:30	02/28/20 15:42	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	106		64 - 126	02/27/20 15:30	02/28/20 15:42	1
<i>4-Bromofluorobenzene (Surr)</i>	101		72 - 126	02/27/20 15:30	02/28/20 15:42	1
<i>Dibromofluoromethane (Surr)</i>	101		60 - 140	02/27/20 15:30	02/28/20 15:42	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R31

Lab Sample ID: 480-166795-3

Date Collected: 02/25/20 10:00

Matrix: Solid

Date Received: 02/27/20 12:30

Percent Solids: 93.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.8	0.28	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
1,1,2,2-Tetrachloroethane	ND		3.8	0.62	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
1,1,2-Trichloroethane	ND		3.8	0.49	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.8	0.87	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
1,1-Dichloroethane	ND		3.8	0.46	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
1,1-Dichloroethene	ND		3.8	0.46	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
1,2,4-Trichlorobenzene	ND		3.8	0.23	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
1,2-Dibromo-3-Chloropropane	ND		3.8	1.9	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
1,2-Dichlorobenzene	ND		3.8	0.30	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
1,2-Dichloroethane	ND		3.8	0.19	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
1,2-Dichloropropane	ND		3.8	1.9	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
1,3-Dichlorobenzene	ND		3.8	0.20	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
1,4-Dichlorobenzene	ND		3.8	0.53	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
2-Butanone (MEK)	6.1	J *	19	1.4	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
2-Hexanone	ND		19	1.9	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
4-Methyl-2-pentanone (MIBK)	ND		19	1.2	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Acetone	30		19	3.2	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Benzene	0.23	J	3.8	0.19	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Bromodichloromethane	ND		3.8	0.51	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Bromoform	ND		3.8	1.9	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Bromomethane	ND		3.8	0.34	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Carbon disulfide	ND		3.8	1.9	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Carbon tetrachloride	ND		3.8	0.37	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Chlorobenzene	ND		3.8	0.50	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Dibromochloromethane	ND		3.8	0.49	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Chloroethane	ND *		3.8	0.86	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Chloroform	ND		3.8	0.23	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Chloromethane	ND		3.8	0.23	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
1,4-Dioxane	ND		76	17	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
cis-1,2-Dichloroethene	ND		3.8	0.49	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
cis-1,3-Dichloropropene	ND		3.8	0.55	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Cyclohexane	ND		3.8	0.53	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Dichlorodifluoromethane	ND *		3.8	0.31	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Ethylbenzene	ND		3.8	0.26	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
1,2-Dibromoethane	ND		3.8	0.49	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Isopropylbenzene	ND		3.8	0.57	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Methyl acetate	ND		19	2.3	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Methyl tert-butyl ether	ND		3.8	0.37	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Methylcyclohexane	ND		3.8	0.58	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Methylene Chloride	ND		3.8	1.7	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Styrene	ND		3.8	0.19	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Tetrachloroethene	ND		3.8	0.51	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Toluene	ND		3.8	0.29	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
trans-1,2-Dichloroethene	ND		3.8	0.39	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
trans-1,3-Dichloropropene	ND		3.8	1.7	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Trichloroethene	ND		3.8	0.84	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Trichlorofluoromethane	ND *		3.8	0.36	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Vinyl chloride	ND *		3.8	0.46	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1
Xylenes, Total	ND		7.6	0.64	ug/Kg	☼	02/27/20 15:30	02/28/20 16:08	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R31

Date Collected: 02/25/20 10:00

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-3

Matrix: Solid

Percent Solids: 93.6

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	99		71 - 125	02/27/20 15:30	02/28/20 16:08	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	106		64 - 126	02/27/20 15:30	02/28/20 16:08	1
<i>4-Bromofluorobenzene (Surr)</i>	100		72 - 126	02/27/20 15:30	02/28/20 16:08	1
<i>Dibromofluoromethane (Surr)</i>	101		60 - 140	02/27/20 15:30	02/28/20 16:08	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R23

Lab Sample ID: 480-166795-4

Date Collected: 02/25/20 13:30

Matrix: Solid

Date Received: 02/27/20 12:30

Percent Solids: 83.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.1	0.30	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
1,1,2,2-Tetrachloroethane	ND		4.1	0.67	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
1,1,2-Trichloroethane	ND		4.1	0.53	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.1	0.94	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
1,1-Dichloroethane	ND		4.1	0.50	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
1,1-Dichloroethene	ND		4.1	0.50	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
1,2,4-Trichlorobenzene	ND		4.1	0.25	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
1,2-Dibromo-3-Chloropropane	ND		4.1	2.1	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
1,2-Dichlorobenzene	ND		4.1	0.32	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
1,2-Dichloroethane	ND		4.1	0.21	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
1,2-Dichloropropane	ND		4.1	2.1	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
1,3-Dichlorobenzene	ND		4.1	0.21	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
1,4-Dichlorobenzene	ND		4.1	0.57	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
2-Butanone (MEK)	ND	*	21	1.5	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
2-Hexanone	ND		21	2.1	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
4-Methyl-2-pentanone (MIBK)	ND		21	1.3	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Acetone	18	J	21	3.5	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Benzene	0.27	J	4.1	0.20	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Bromodichloromethane	ND		4.1	0.55	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Bromoform	ND		4.1	2.1	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Bromomethane	ND		4.1	0.37	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Carbon disulfide	ND		4.1	2.1	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Carbon tetrachloride	ND		4.1	0.40	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Chlorobenzene	ND		4.1	0.54	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Dibromochloromethane	ND		4.1	0.53	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Chloroethane	ND	*	4.1	0.93	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Chloroform	ND		4.1	0.25	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Chloromethane	ND		4.1	0.25	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
1,4-Dioxane	ND		82	18	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
cis-1,2-Dichloroethene	0.66	J	4.1	0.53	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
cis-1,3-Dichloropropene	ND		4.1	0.59	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Cyclohexane	0.61	J	4.1	0.57	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Dichlorodifluoromethane	ND	*	4.1	0.34	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Ethylbenzene	ND		4.1	0.28	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
1,2-Dibromoethane	ND		4.1	0.53	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Isopropylbenzene	ND		4.1	0.62	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Methyl acetate	ND		21	2.5	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Methyl tert-butyl ether	ND		4.1	0.40	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Methylcyclohexane	0.70	J	4.1	0.62	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Methylene Chloride	ND		4.1	1.9	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Styrene	ND		4.1	0.21	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Tetrachloroethene	ND		4.1	0.55	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Toluene	0.31	J	4.1	0.31	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
trans-1,2-Dichloroethene	ND		4.1	0.42	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
trans-1,3-Dichloropropene	ND		4.1	1.8	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Trichloroethene	ND		4.1	0.90	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Trichlorofluoromethane	ND	*	4.1	0.39	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Vinyl chloride	ND	*	4.1	0.50	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1
Xylenes, Total	ND		8.2	0.69	ug/Kg	☼	02/27/20 15:30	02/28/20 16:33	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R23

Date Collected: 02/25/20 13:30

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-4

Matrix: Solid

Percent Solids: 83.4

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	100		71 - 125	02/27/20 15:30	02/28/20 16:33	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	109		64 - 126	02/27/20 15:30	02/28/20 16:33	1
<i>4-Bromofluorobenzene (Surr)</i>	99		72 - 126	02/27/20 15:30	02/28/20 16:33	1
<i>Dibromofluoromethane (Surr)</i>	102		60 - 140	02/27/20 15:30	02/28/20 16:33	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R19

Lab Sample ID: 480-166795-5

Date Collected: 02/25/20 14:35

Matrix: Solid

Date Received: 02/27/20 12:30

Percent Solids: 89.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.8	0.28	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
1,1,2,2-Tetrachloroethane	ND		3.8	0.62	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
1,1,2-Trichloroethane	ND		3.8	0.49	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.8	0.87	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
1,1-Dichloroethane	ND		3.8	0.46	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
1,1-Dichloroethene	ND		3.8	0.47	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
1,2,4-Trichlorobenzene	ND		3.8	0.23	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
1,2-Dibromo-3-Chloropropane	ND		3.8	1.9	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
1,2-Dichlorobenzene	ND		3.8	0.30	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
1,2-Dichloroethane	ND		3.8	0.19	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
1,2-Dichloropropane	ND		3.8	1.9	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
1,3-Dichlorobenzene	ND		3.8	0.20	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
1,4-Dichlorobenzene	ND		3.8	0.53	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
2-Butanone (MEK)	4.4	J *	19	1.4	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
2-Hexanone	ND		19	1.9	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
4-Methyl-2-pentanone (MIBK)	ND		19	1.2	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Acetone	25		19	3.2	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Benzene	0.50	J	3.8	0.19	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Bromodichloromethane	ND		3.8	0.51	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Bromoform	ND		3.8	1.9	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Bromomethane	ND		3.8	0.34	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Carbon disulfide	ND		3.8	1.9	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Carbon tetrachloride	ND		3.8	0.37	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Chlorobenzene	ND		3.8	0.50	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Dibromochloromethane	ND		3.8	0.49	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Chloroethane	ND *		3.8	0.86	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Chloroform	ND		3.8	0.23	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Chloromethane	ND		3.8	0.23	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
1,4-Dioxane	ND		76	17	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
cis-1,2-Dichloroethene	0.98	J	3.8	0.49	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
cis-1,3-Dichloropropene	ND		3.8	0.55	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Cyclohexane	0.70	J	3.8	0.53	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Dichlorodifluoromethane	ND *		3.8	0.31	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Ethylbenzene	ND		3.8	0.26	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
1,2-Dibromoethane	ND		3.8	0.49	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Isopropylbenzene	ND		3.8	0.57	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Methyl acetate	ND		19	2.3	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Methyl tert-butyl ether	ND		3.8	0.37	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Methylcyclohexane	0.88	J	3.8	0.58	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Methylene Chloride	ND		3.8	1.7	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Styrene	ND		3.8	0.19	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Tetrachloroethene	ND		3.8	0.51	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Toluene	0.99	J	3.8	0.29	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
trans-1,2-Dichloroethene	ND		3.8	0.39	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
trans-1,3-Dichloropropene	ND		3.8	1.7	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Trichloroethene	3.1	J	3.8	0.84	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Trichlorofluoromethane	ND *		3.8	0.36	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Vinyl chloride	ND *		3.8	0.46	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1
Xylenes, Total	ND		7.6	0.64	ug/Kg	☼	02/27/20 15:30	02/28/20 16:59	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R19

Date Collected: 02/25/20 14:35

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-5

Matrix: Solid

Percent Solids: 89.3

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	100		71 - 125	02/27/20 15:30	02/28/20 16:59	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	106		64 - 126	02/27/20 15:30	02/28/20 16:59	1
<i>4-Bromofluorobenzene (Surr)</i>	98		72 - 126	02/27/20 15:30	02/28/20 16:59	1
<i>Dibromofluoromethane (Surr)</i>	99		60 - 140	02/27/20 15:30	02/28/20 16:59	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R16

Lab Sample ID: 480-166795-6

Date Collected: 02/25/20 15:30

Matrix: Solid

Date Received: 02/27/20 12:30

Percent Solids: 80.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.5	0.33	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
1,1,2,2-Tetrachloroethane	ND		4.5	0.73	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
1,1,2-Trichloroethane	ND		4.5	0.59	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.5	1.0	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
1,1-Dichloroethane	ND		4.5	0.55	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
1,1-Dichloroethene	ND		4.5	0.55	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
1,2,4-Trichlorobenzene	ND		4.5	0.27	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
1,2-Dibromo-3-Chloropropane	ND		4.5	2.3	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
1,2-Dichlorobenzene	ND		4.5	0.35	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
1,2-Dichloroethane	ND		4.5	0.23	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
1,2-Dichloropropane	ND		4.5	2.3	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
1,3-Dichlorobenzene	ND		4.5	0.23	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
1,4-Dichlorobenzene	ND		4.5	0.63	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
2-Butanone (MEK)	ND	*	23	1.6	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
2-Hexanone	ND		23	2.3	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
4-Methyl-2-pentanone (MIBK)	ND		23	1.5	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Acetone	29		23	3.8	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Benzene	ND		4.5	0.22	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Bromodichloromethane	ND		4.5	0.60	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Bromoform	ND		4.5	2.3	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Bromomethane	ND		4.5	0.41	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Carbon disulfide	ND		4.5	2.3	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Carbon tetrachloride	ND		4.5	0.44	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Chlorobenzene	ND		4.5	0.59	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Dibromochloromethane	ND		4.5	0.58	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Chloroethane	ND	*	4.5	1.0	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Chloroform	ND		4.5	0.28	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Chloromethane	ND		4.5	0.27	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
1,4-Dioxane	ND		90	20	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
cis-1,2-Dichloroethene	ND		4.5	0.58	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
cis-1,3-Dichloropropene	ND		4.5	0.65	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Cyclohexane	ND		4.5	0.63	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Dichlorodifluoromethane	ND	*	4.5	0.37	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Ethylbenzene	ND		4.5	0.31	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
1,2-Dibromoethane	ND		4.5	0.58	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Isopropylbenzene	ND		4.5	0.68	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Methyl acetate	ND		23	2.7	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Methyl tert-butyl ether	ND		4.5	0.44	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Methylcyclohexane	ND		4.5	0.68	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Methylene Chloride	ND		4.5	2.1	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Styrene	ND		4.5	0.23	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Tetrachloroethene	ND		4.5	0.60	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Toluene	ND		4.5	0.34	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
trans-1,2-Dichloroethene	ND		4.5	0.46	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
trans-1,3-Dichloropropene	ND		4.5	2.0	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Trichloroethene	25		4.5	0.99	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Trichlorofluoromethane	ND	*	4.5	0.43	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Vinyl chloride	ND	*	4.5	0.55	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1
Xylenes, Total	ND		9.0	0.76	ug/Kg	☼	02/27/20 15:30	02/28/20 17:24	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R16

Date Collected: 02/25/20 15:30

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-6

Matrix: Solid

Percent Solids: 80.5

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	97		71 - 125	02/27/20 15:30	02/28/20 17:24	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	108		64 - 126	02/27/20 15:30	02/28/20 17:24	1
<i>4-Bromofluorobenzene (Surr)</i>	101		72 - 126	02/27/20 15:30	02/28/20 17:24	1
<i>Dibromofluoromethane (Surr)</i>	102		60 - 140	02/27/20 15:30	02/28/20 17:24	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R9 (10-12)

Lab Sample ID: 480-166795-7

Date Collected: 02/26/20 10:30

Matrix: Solid

Date Received: 02/27/20 12:30

Percent Solids: 86.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.9	0.28	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
1,1,2,2-Tetrachloroethane	ND		3.9	0.63	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
1,1,2-Trichloroethane	ND		3.9	0.51	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.9	0.89	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
1,1-Dichloroethane	ND		3.9	0.48	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
1,1-Dichloroethene	ND		3.9	0.48	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
1,2,4-Trichlorobenzene	ND		3.9	0.24	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
1,2-Dibromo-3-Chloropropane	ND		3.9	1.9	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
1,2-Dichlorobenzene	ND		3.9	0.30	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
1,2-Dichloroethane	ND		3.9	0.20	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
1,2-Dichloropropane	ND		3.9	1.9	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
1,3-Dichlorobenzene	ND		3.9	0.20	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
1,4-Dichlorobenzene	ND		3.9	0.55	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
2-Butanone (MEK)	ND	*	19	1.4	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
2-Hexanone	ND		19	1.9	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
4-Methyl-2-pentanone (MIBK)	ND		19	1.3	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Acetone	15	J	19	3.3	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Benzene	3.3	J	3.9	0.19	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Bromodichloromethane	ND		3.9	0.52	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Bromoform	ND		3.9	1.9	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Bromomethane	ND		3.9	0.35	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Carbon disulfide	ND		3.9	1.9	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Carbon tetrachloride	ND		3.9	0.38	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Chlorobenzene	ND		3.9	0.51	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Dibromochloromethane	ND		3.9	0.50	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Chloroethane	ND	*	3.9	0.88	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Chloroform	ND		3.9	0.24	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Chloromethane	ND		3.9	0.24	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
1,4-Dioxane	ND		78	17	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
cis-1,2-Dichloroethene	4.4		3.9	0.50	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
cis-1,3-Dichloropropene	ND		3.9	0.56	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Cyclohexane	7.3		3.9	0.55	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Dichlorodifluoromethane	ND	*	3.9	0.32	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Ethylbenzene	1.2	J	3.9	0.27	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
1,2-Dibromoethane	ND		3.9	0.50	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Isopropylbenzene	ND		3.9	0.59	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Methyl acetate	ND		19	2.4	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Methyl tert-butyl ether	ND		3.9	0.38	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Methylcyclohexane	11		3.9	0.59	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Methylene Chloride	ND		3.9	1.8	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Styrene	ND		3.9	0.19	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Tetrachloroethene	ND		3.9	0.52	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Toluene	8.1		3.9	0.29	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
trans-1,2-Dichloroethene	ND		3.9	0.40	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
trans-1,3-Dichloropropene	ND		3.9	1.7	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Trichloroethene	290	E	3.9	0.86	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Trichlorofluoromethane	ND	*	3.9	0.37	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Vinyl chloride	ND	*	3.9	0.48	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1
Xylenes, Total	7.7	J	7.8	0.65	ug/Kg	☼	02/27/20 15:30	02/28/20 17:49	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R9 (10-12)

Lab Sample ID: 480-166795-7

Date Collected: 02/26/20 10:30

Matrix: Solid

Date Received: 02/27/20 12:30

Percent Solids: 86.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		71 - 125	02/27/20 15:30	02/28/20 17:49	1
1,2-Dichloroethane-d4 (Surr)	105		64 - 126	02/27/20 15:30	02/28/20 17:49	1
4-Bromofluorobenzene (Surr)	99		72 - 126	02/27/20 15:30	02/28/20 17:49	1
Dibromofluoromethane (Surr)	95		60 - 140	02/27/20 15:30	02/28/20 17:49	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		45	13	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
1,1,2,2-Tetrachloroethane	ND		45	7.4	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
1,1,2-Trichloroethane	ND		45	9.6	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		45	23	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
1,1-Dichloroethane	ND		45	14	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
1,1-Dichloroethene	ND		45	16	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
1,2,4-Trichlorobenzene	ND		45	17	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
1,2-Dibromo-3-Chloropropane	ND		45	23	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
1,2-Dichlorobenzene	ND		45	12	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
1,2-Dichloroethane	ND		45	19	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
1,2-Dichloropropane	ND		45	7.4	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
1,3-Dichlorobenzene	ND		45	12	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
1,4-Dichlorobenzene	ND		45	6.4	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
2-Butanone (MEK)	ND		230	140	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
2-Hexanone	ND		230	93	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
4-Methyl-2-pentanone (MIBK)	ND		230	15	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Acetone	ND		230	190	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Benzene	ND		45	8.6	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Bromodichloromethane	ND		45	9.1	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Bromoform	ND		45	23	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Bromomethane	ND		45	10	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Carbon disulfide	ND		45	21	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Carbon tetrachloride	ND		45	12	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Chlorobenzene	ND		45	6.0	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Dibromochloromethane	ND		45	22	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Chloroethane	ND		45	9.5	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Chloroform	ND		45	31	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Chloromethane	ND		45	11	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
1,4-Dioxane	ND		860	230	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
cis-1,2-Dichloroethene	ND		45	13	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
cis-1,3-Dichloropropene	ND		45	11	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Cyclohexane	ND		45	10	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Dichlorodifluoromethane	ND		45	20	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Ethylbenzene	ND		45	13	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
1,2-Dibromoethane	ND		45	8.0	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Isopropylbenzene	ND		45	6.8	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Methyl acetate	67 J		230	22	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Methyl tert-butyl ether	ND		45	17	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Methylcyclohexane	ND		45	21	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Methylene Chloride	ND		45	9.0	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Styrene	ND		45	11	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Tetrachloroethene	ND		45	6.1	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Toluene	ND		45	12	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R9 (10-12)

Lab Sample ID: 480-166795-7

Date Collected: 02/26/20 10:30

Matrix: Solid

Date Received: 02/27/20 12:30

Percent Solids: 86.4

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		45	11	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
trans-1,3-Dichloropropene	ND		45	4.5	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Trichloroethene	860		45	13	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Trichlorofluoromethane	ND		45	21	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Vinyl chloride	ND		45	15	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1
Xylenes, Total	ND		91	25	ug/Kg	☼	03/03/20 23:22	03/04/20 13:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		50 - 149	03/03/20 23:22	03/04/20 13:22	1
1,2-Dichloroethane-d4 (Surr)	92		53 - 146	03/03/20 23:22	03/04/20 13:22	1
4-Bromofluorobenzene (Surr)	98		49 - 148	03/03/20 23:22	03/04/20 13:22	1
Dibromofluoromethane (Surr)	89		60 - 140	03/03/20 23:22	03/04/20 13:22	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R9 (15-16)

Lab Sample ID: 480-166795-8

Date Collected: 02/26/20 10:45

Matrix: Solid

Date Received: 02/27/20 12:30

Percent Solids: 79.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.3	0.39	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
1,1,2,2-Tetrachloroethane	ND		5.3	0.86	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
1,1,2-Trichloroethane	ND		5.3	0.69	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
1,1-Dichloroethane	ND		5.3	0.65	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
1,1-Dichloroethene	2.1	J	5.3	0.65	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
1,2,4-Trichlorobenzene	ND		5.3	0.32	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
1,2-Dibromo-3-Chloropropane	ND		5.3	2.7	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
1,2-Dichlorobenzene	ND		5.3	0.42	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
1,2-Dichloroethane	ND		5.3	0.27	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
1,2-Dichloropropane	ND		5.3	2.7	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
1,3-Dichlorobenzene	ND		5.3	0.27	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
1,4-Dichlorobenzene	ND		5.3	0.74	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
2-Butanone (MEK)	ND	*	27	1.9	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
2-Hexanone	ND		27	2.7	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.7	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Acetone	26	J	27	4.5	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Benzene	1.7	J	5.3	0.26	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Bromodichloromethane	ND		5.3	0.71	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Bromomethane	ND		5.3	0.48	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Carbon disulfide	ND		5.3	2.7	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Carbon tetrachloride	ND		5.3	0.51	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Chlorobenzene	ND		5.3	0.70	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Dibromochloromethane	ND		5.3	0.68	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Chloroethane	ND	*	5.3	1.2	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Chloroform	ND		5.3	0.33	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Chloromethane	ND		5.3	0.32	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
1,4-Dioxane	ND		110	23	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
cis-1,2-Dichloroethene	180		5.3	0.68	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
cis-1,3-Dichloropropene	ND		5.3	0.76	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Cyclohexane	2.6	J	5.3	0.74	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Dichlorodifluoromethane	ND	*	5.3	0.44	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Ethylbenzene	ND		5.3	0.37	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
1,2-Dibromoethane	ND		5.3	0.68	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Isopropylbenzene	ND		5.3	0.80	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Methyl acetate	ND		27	3.2	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Methyl tert-butyl ether	ND		5.3	0.52	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Methylcyclohexane	2.8	J	5.3	0.81	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Methylene Chloride	4.0	J	5.3	2.4	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Styrene	ND		5.3	0.27	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Tetrachloroethene	ND		5.3	0.71	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Toluene	2.5	J	5.3	0.40	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
trans-1,2-Dichloroethene	5.2	J	5.3	0.55	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
trans-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Trichloroethene	2900	E	5.3	1.2	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Trichlorofluoromethane	ND	*	5.3	0.50	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Vinyl chloride	1.5	J *	5.3	0.65	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1
Xylenes, Total	1.2	J	11	0.89	ug/Kg	☼	02/27/20 15:30	02/28/20 18:15	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R9 (15-16)

Lab Sample ID: 480-166795-8

Date Collected: 02/26/20 10:45

Matrix: Solid

Date Received: 02/27/20 12:30

Percent Solids: 79.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		71 - 125	02/27/20 15:30	02/28/20 18:15	1
1,2-Dichloroethane-d4 (Surr)	108		64 - 126	02/27/20 15:30	02/28/20 18:15	1
4-Bromofluorobenzene (Surr)	91		72 - 126	02/27/20 15:30	02/28/20 18:15	1
Dibromofluoromethane (Surr)	100		60 - 140	02/27/20 15:30	02/28/20 18:15	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		420	120	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
1,1,2,2-Tetrachloroethane	ND		420	69	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
1,1,2-Trichloroethane	ND		420	89	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		420	210	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
1,1-Dichloroethane	ND		420	130	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
1,1-Dichloroethene	ND		420	150	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
1,2,4-Trichlorobenzene	ND		420	160	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
1,2-Dibromo-3-Chloropropane	ND		420	210	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
1,2-Dichlorobenzene	ND		420	110	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
1,2-Dichloroethane	ND		420	170	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
1,2-Dichloropropane	ND		420	69	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
1,3-Dichlorobenzene	ND		420	110	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
1,4-Dichlorobenzene	ND		420	59	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
2-Butanone (MEK)	ND		2100	1300	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
2-Hexanone	ND		2100	870	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
4-Methyl-2-pentanone (MIBK)	ND		2100	140	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Acetone	ND		2100	1700	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Benzene	ND		420	81	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Bromodichloromethane	ND		420	85	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Bromoform	ND		420	210	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Bromomethane	ND		420	93	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Carbon disulfide	ND		420	190	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Carbon tetrachloride	ND		420	110	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Chlorobenzene	ND		420	56	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Dibromochloromethane	ND		420	210	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Chloroethane	ND		420	88	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Chloroform	ND		420	290	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Chloromethane	ND		420	100	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
1,4-Dioxane	ND		8100	2200	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
cis-1,2-Dichloroethene	350 J		420	120	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
cis-1,3-Dichloropropene	ND		420	100	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Cyclohexane	ND		420	94	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Dichlorodifluoromethane	ND		420	190	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Ethylbenzene	ND		420	120	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
1,2-Dibromoethane	ND		420	74	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Isopropylbenzene	ND		420	64	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Methyl acetate	ND		2100	200	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Methyl tert-butyl ether	ND		420	160	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Methylcyclohexane	ND		420	200	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Methylene Chloride	ND		420	84	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Styrene	ND		420	100	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Tetrachloroethene	ND		420	57	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Toluene	ND		420	110	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R9 (15-16)

Lab Sample ID: 480-166795-8

Date Collected: 02/26/20 10:45

Matrix: Solid

Date Received: 02/27/20 12:30

Percent Solids: 79.8

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		420	100	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
trans-1,3-Dichloropropene	ND		420	42	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Trichloroethene	22000		420	120	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Trichlorofluoromethane	ND		420	200	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Vinyl chloride	ND		420	140	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8
Xylenes, Total	ND		850	240	ug/Kg	☼	03/03/20 23:22	03/04/20 13:47	8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		50 - 149	03/03/20 23:22	03/04/20 13:47	8
1,2-Dichloroethane-d4 (Surr)	93		53 - 146	03/03/20 23:22	03/04/20 13:47	8
4-Bromofluorobenzene (Surr)	99		49 - 148	03/03/20 23:22	03/04/20 13:47	8
Dibromofluoromethane (Surr)	93		60 - 140	03/03/20 23:22	03/04/20 13:47	8

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R5

Date Collected: 02/26/20 11:30

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-9

Matrix: Solid

Percent Solids: 79.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.3	0.31	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
1,1,2,2-Tetrachloroethane	ND		4.3	0.70	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
1,1,2-Trichloroethane	ND		4.3	0.56	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.3	0.98	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
1,1-Dichloroethane	ND		4.3	0.52	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
1,1-Dichloroethene	ND		4.3	0.52	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
1,2,4-Trichlorobenzene	ND		4.3	0.26	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
1,2-Dibromo-3-Chloropropane	ND		4.3	2.1	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
1,2-Dichlorobenzene	ND		4.3	0.34	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
1,2-Dichloroethane	ND		4.3	0.22	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
1,2-Dichloropropane	ND		4.3	2.1	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
1,3-Dichlorobenzene	ND		4.3	0.22	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
1,4-Dichlorobenzene	ND		4.3	0.60	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
2-Butanone (MEK)	5.2	J *	21	1.6	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
2-Hexanone	ND		21	2.1	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
4-Methyl-2-pentanone (MIBK)	ND		21	1.4	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Acetone	39		21	3.6	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Benzene	ND		4.3	0.21	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Bromodichloromethane	ND		4.3	0.57	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Bromoform	ND		4.3	2.1	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Bromomethane	ND		4.3	0.39	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Carbon disulfide	ND		4.3	2.1	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Carbon tetrachloride	ND		4.3	0.41	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Chlorobenzene	ND		4.3	0.57	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Dibromochloromethane	ND		4.3	0.55	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Chloroethane	ND *		4.3	0.97	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Chloroform	ND		4.3	0.26	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Chloromethane	ND		4.3	0.26	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
1,4-Dioxane	ND		86	19	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
cis-1,2-Dichloroethene	6.2		4.3	0.55	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
cis-1,3-Dichloropropene	ND		4.3	0.62	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Cyclohexane	ND		4.3	0.60	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Dichlorodifluoromethane	ND		4.3	0.35	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Ethylbenzene	ND		4.3	0.30	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
1,2-Dibromoethane	ND		4.3	0.55	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Isopropylbenzene	ND		4.3	0.65	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Methyl acetate	ND		21	2.6	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Methyl tert-butyl ether	ND		4.3	0.42	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Methylcyclohexane	ND		4.3	0.65	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Methylene Chloride	ND		4.3	2.0	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Styrene	ND		4.3	0.21	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Tetrachloroethene	ND		4.3	0.58	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Toluene	ND		4.3	0.32	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
trans-1,2-Dichloroethene	ND		4.3	0.44	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
trans-1,3-Dichloropropene	ND		4.3	1.9	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Trichloroethene	27		4.3	0.94	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Trichlorofluoromethane	ND		4.3	0.41	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Vinyl chloride	ND		4.3	0.52	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1
Xylenes, Total	ND		8.6	0.72	ug/Kg	☼	02/27/20 15:30	03/02/20 02:38	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R5

Date Collected: 02/26/20 11:30

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-9

Matrix: Solid

Percent Solids: 79.9

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	99		71 - 125	02/27/20 15:30	03/02/20 02:38	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	106		64 - 126	02/27/20 15:30	03/02/20 02:38	1
<i>4-Bromofluorobenzene (Surr)</i>	102		72 - 126	02/27/20 15:30	03/02/20 02:38	1
<i>Dibromofluoromethane (Surr)</i>	101		60 - 140	02/27/20 15:30	03/02/20 02:38	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R44

Lab Sample ID: 480-166795-10

Date Collected: 02/26/20 15:30

Matrix: Solid

Date Received: 02/27/20 12:30

Percent Solids: 80.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.3	0.32	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
1,1,2,2-Tetrachloroethane	ND		4.3	0.71	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
1,1,2-Trichloroethane	ND		4.3	0.57	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.3	0.99	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
1,1-Dichloroethane	ND		4.3	0.53	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
1,1-Dichloroethene	ND		4.3	0.53	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
1,2,4-Trichlorobenzene	ND		4.3	0.26	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
1,2-Dibromo-3-Chloropropane	ND		4.3	2.2	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
1,2-Dichlorobenzene	ND		4.3	0.34	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
1,2-Dichloroethane	ND		4.3	0.22	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
1,2-Dichloropropane	ND		4.3	2.2	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
1,3-Dichlorobenzene	ND		4.3	0.22	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
1,4-Dichlorobenzene	ND		4.3	0.61	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
2-Butanone (MEK)	ND	*	22	1.6	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
2-Hexanone	ND		22	2.2	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
4-Methyl-2-pentanone (MIBK)	ND		22	1.4	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Acetone	13	J	22	3.7	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Benzene	3.5	J	4.3	0.21	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Bromodichloromethane	ND		4.3	0.58	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Bromoform	ND		4.3	2.2	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Bromomethane	ND		4.3	0.39	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Carbon disulfide	ND		4.3	2.2	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Carbon tetrachloride	ND		4.3	0.42	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Chlorobenzene	ND		4.3	0.57	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Dibromochloromethane	ND		4.3	0.56	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Chloroethane	ND	*	4.3	0.98	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Chloroform	ND		4.3	0.27	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Chloromethane	ND		4.3	0.26	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
1,4-Dioxane	ND		87	19	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
cis-1,2-Dichloroethene	ND		4.3	0.56	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
cis-1,3-Dichloropropene	ND		4.3	0.63	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Cyclohexane	8.1		4.3	0.61	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Dichlorodifluoromethane	ND	*	4.3	0.36	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Ethylbenzene	1.3	J	4.3	0.30	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
1,2-Dibromoethane	ND		4.3	0.56	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Isopropylbenzene	ND		4.3	0.66	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Methyl acetate	ND		22	2.6	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Methyl tert-butyl ether	ND		4.3	0.43	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Methylcyclohexane	11		4.3	0.66	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Methylene Chloride	ND		4.3	2.0	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Styrene	ND		4.3	0.22	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Tetrachloroethene	ND		4.3	0.58	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Toluene	8.3		4.3	0.33	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
trans-1,2-Dichloroethene	ND		4.3	0.45	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
trans-1,3-Dichloropropene	ND		4.3	1.9	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Trichloroethene	0.99	J	4.3	0.96	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Trichlorofluoromethane	ND	*	4.3	0.41	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Vinyl chloride	ND	*	4.3	0.53	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1
Xylenes, Total	7.5	J	8.7	0.73	ug/Kg	☼	02/27/20 15:30	02/28/20 19:05	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R44

Date Collected: 02/26/20 15:30

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-10

Matrix: Solid

Percent Solids: 80.2

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	98		71 - 125	02/27/20 15:30	02/28/20 19:05	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	104		64 - 126	02/27/20 15:30	02/28/20 19:05	1
<i>4-Bromofluorobenzene (Surr)</i>	99		72 - 126	02/27/20 15:30	02/28/20 19:05	1
<i>Dibromofluoromethane (Surr)</i>	95		60 - 140	02/27/20 15:30	02/28/20 19:05	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (71-125)	DCA (64-126)	BFB (72-126)	DBFM (60-140)
480-166795-1	SB-R39	98	106	99	99
480-166795-2	SB-R34	97	106	101	101
480-166795-3	SB-R31	99	106	100	101
480-166795-4	SB-R23	100	109	99	102
480-166795-5	SB-R19	100	106	98	99
480-166795-6	SB-R16	97	108	101	102
480-166795-7	SB-R9 (10-12)	98	105	99	95
480-166795-8	SB-R9 (15-16)	104	108	91	100
480-166795-9	SB-R5	99	106	102	101
480-166795-10	SB-R44	98	104	99	95
LCS 480-519433/1-A	Lab Control Sample	100	103	102	99
LCS 480-519563/1-A	Lab Control Sample	100	103	101	98
LCSD 480-519433/2-A	Lab Control Sample Dup	99	106	102	101
LCSD 480-519563/2-A	Lab Control Sample Dup	98	101	103	95
MB 480-519433/3-A	Method Blank	98	99	100	98
MB 480-519563/3-A	Method Blank	97	100	99	101

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (50-149)	DCA (53-146)	BFB (49-148)	DBFM (60-140)
480-166795-7 - DL	SB-R9 (10-12)	101	92	98	89
480-166795-8 - DL	SB-R9 (15-16)	101	93	99	93
LCS 480-519920/1-A	Lab Control Sample	101	102	99	101
MB 480-519920/2-A	Method Blank	99	95	98	91

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-519433/3-A

Matrix: Solid

Analysis Batch: 519380

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 519433

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
2-Hexanone	ND		25	2.5	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Acetone	ND		25	4.2	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Benzene	ND		5.0	0.25	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Bromoform	ND		5.0	2.5	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Bromomethane	ND		5.0	0.45	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Chloroethane	ND		5.0	1.1	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Chloroform	ND		5.0	0.31	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Chloromethane	ND		5.0	0.30	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
1,4-Dioxane	ND		100	22	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Cyclohexane	ND		5.0	0.70	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Methyl acetate	ND		25	3.0	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Styrene	ND		5.0	0.25	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Toluene	ND		5.0	0.38	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Trichloroethene	ND		5.0	1.1	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		02/28/20 11:04	02/28/20 12:32	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		02/28/20 11:04	02/28/20 12:32	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-519433/3-A

Matrix: Solid

Analysis Batch: 519380

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 519433

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		10	0.84	ug/Kg		02/28/20 11:04	02/28/20 12:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		71 - 125	02/28/20 11:04	02/28/20 12:32	1
1,2-Dichloroethane-d4 (Surr)	99		64 - 126	02/28/20 11:04	02/28/20 12:32	1
4-Bromofluorobenzene (Surr)	100		72 - 126	02/28/20 11:04	02/28/20 12:32	1
Dibromofluoromethane (Surr)	98		60 - 140	02/28/20 11:04	02/28/20 12:32	1

Lab Sample ID: LCS 480-519433/1-A

Matrix: Solid

Analysis Batch: 519380

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 519433

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	45.9		ug/Kg		92	77 - 121
1,1,2,2-Tetrachloroethane	50.0	48.2		ug/Kg		96	80 - 120
1,1,2-Trichloroethane	50.0	48.9		ug/Kg		98	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	45.6		ug/Kg		91	60 - 140
1,1-Dichloroethane	50.0	50.5		ug/Kg		101	73 - 126
1,1-Dichloroethene	50.0	47.5		ug/Kg		95	59 - 125
1,2,4-Trichlorobenzene	50.0	49.7		ug/Kg		99	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	48.2		ug/Kg		96	63 - 124
1,2-Dichlorobenzene	50.0	47.8		ug/Kg		96	75 - 120
1,2-Dichloroethane	50.0	45.1		ug/Kg		90	77 - 122
1,2-Dichloropropane	50.0	50.9		ug/Kg		102	75 - 124
1,3-Dichlorobenzene	50.0	47.9		ug/Kg		96	74 - 120
1,4-Dichlorobenzene	50.0	47.0		ug/Kg		94	73 - 120
2-Butanone (MEK)	250	439	*	ug/Kg		176	70 - 134
2-Hexanone	250	256		ug/Kg		102	59 - 130
4-Methyl-2-pentanone (MIBK)	250	254		ug/Kg		102	65 - 133
Acetone	250	241		ug/Kg		96	61 - 137
Benzene	50.0	48.6		ug/Kg		97	79 - 127
Bromodichloromethane	50.0	50.2		ug/Kg		100	80 - 122
Bromoform	50.0	53.2		ug/Kg		106	68 - 126
Bromomethane	50.0	31.5		ug/Kg		63	37 - 149
Carbon disulfide	50.0	48.8		ug/Kg		98	64 - 131
Carbon tetrachloride	50.0	46.7		ug/Kg		93	75 - 135
Chlorobenzene	50.0	48.4		ug/Kg		97	76 - 124
Dibromochloromethane	50.0	51.6		ug/Kg		103	76 - 125
Chloroethane	50.0	30.4	*	ug/Kg		61	69 - 135
Chloroform	50.0	47.1		ug/Kg		94	80 - 120
Chloromethane	50.0	35.8		ug/Kg		72	63 - 127
1,4-Dioxane	1000	1040		ug/Kg		104	64 - 124
cis-1,2-Dichloroethene	50.0	49.0		ug/Kg		98	81 - 120
cis-1,3-Dichloropropene	50.0	53.7		ug/Kg		107	80 - 120
Cyclohexane	50.0	47.8		ug/Kg		96	65 - 120
Dichlorodifluoromethane	50.0	33.6		ug/Kg		67	57 - 142
Ethylbenzene	50.0	48.7		ug/Kg		97	80 - 120
1,2-Dibromoethane	50.0	49.8		ug/Kg		100	78 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-519433/1-A

Matrix: Solid

Analysis Batch: 519380

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 519433

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	50.0	47.8		ug/Kg		96	72 - 120
Methyl acetate	100	102		ug/Kg		102	55 - 136
Methyl tert-butyl ether	50.0	48.9		ug/Kg		98	63 - 125
Methylcyclohexane	50.0	48.1		ug/Kg		96	60 - 140
Methylene Chloride	50.0	46.6		ug/Kg		93	61 - 127
Styrene	50.0	51.4		ug/Kg		103	80 - 120
Tetrachloroethene	50.0	49.8		ug/Kg		100	74 - 122
Toluene	50.0	47.9		ug/Kg		96	74 - 128
trans-1,2-Dichloroethene	50.0	48.8		ug/Kg		98	78 - 126
trans-1,3-Dichloropropene	50.0	52.0		ug/Kg		104	73 - 123
Trichloroethene	50.0	48.1		ug/Kg		96	77 - 129
Trichlorofluoromethane	50.0	38.0		ug/Kg		76	65 - 146
Vinyl chloride	50.0	34.7		ug/Kg		69	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		71 - 125
1,2-Dichloroethane-d4 (Surr)	103		64 - 126
4-Bromofluorobenzene (Surr)	102		72 - 126
Dibromofluoromethane (Surr)	99		60 - 140

Lab Sample ID: LCSD 480-519433/2-A

Matrix: Solid

Analysis Batch: 519380

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 519433

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	50.0	51.1		ug/Kg		102	77 - 121	11	20
1,1,2,2-Tetrachloroethane	50.0	53.7		ug/Kg		107	80 - 120	11	20
1,1,2-Trichloroethane	50.0	53.2		ug/Kg		106	78 - 122	8	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	51.5		ug/Kg		103	60 - 140	12	20
1,1-Dichloroethane	50.0	55.8		ug/Kg		112	73 - 126	10	20
1,1-Dichloroethene	50.0	52.5		ug/Kg		105	59 - 125	10	20
1,2,4-Trichlorobenzene	50.0	54.8		ug/Kg		110	64 - 120	10	20
1,2-Dibromo-3-Chloropropane	50.0	56.1		ug/Kg		112	63 - 124	15	20
1,2-Dichlorobenzene	50.0	52.2		ug/Kg		104	75 - 120	9	20
1,2-Dichloroethane	50.0	49.8		ug/Kg		100	77 - 122	10	20
1,2-Dichloropropane	50.0	55.1		ug/Kg		110	75 - 124	8	20
1,3-Dichlorobenzene	50.0	52.0		ug/Kg		104	74 - 120	8	20
1,4-Dichlorobenzene	50.0	51.5		ug/Kg		103	73 - 120	9	20
2-Butanone (MEK)	250	505	*	ug/Kg		202	70 - 134	14	20
2-Hexanone	250	288		ug/Kg		115	59 - 130	12	20
4-Methyl-2-pentanone (MIBK)	250	284		ug/Kg		113	65 - 133	11	20
Acetone	250	274		ug/Kg		110	61 - 137	13	20
Benzene	50.0	53.1		ug/Kg		106	79 - 127	9	20
Bromodichloromethane	50.0	55.0		ug/Kg		110	80 - 122	9	20
Bromoform	50.0	58.0		ug/Kg		116	68 - 126	9	20
Bromomethane	50.0	38.3		ug/Kg		77	37 - 149	19	20
Carbon disulfide	50.0	54.7		ug/Kg		109	64 - 131	11	20
Carbon tetrachloride	50.0	51.9		ug/Kg		104	75 - 135	11	20

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 480-519433/2-A

Matrix: Solid

Analysis Batch: 519380

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 519433

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	50.0	52.0		ug/Kg		104	76 - 124	7	20
Dibromochloromethane	50.0	56.1		ug/Kg		112	76 - 125	8	20
Chloroethane	50.0	37.2		ug/Kg		74	69 - 135	20	20
Chloroform	50.0	51.4		ug/Kg		103	80 - 120	9	20
Chloromethane	50.0	41.1		ug/Kg		82	63 - 127	14	20
1,4-Dioxane	1000	1150		ug/Kg		115	64 - 124	10	20
cis-1,2-Dichloroethene	50.0	53.4		ug/Kg		107	81 - 120	9	20
cis-1,3-Dichloropropene	50.0	58.5		ug/Kg		117	80 - 120	9	20
Cyclohexane	50.0	54.4		ug/Kg		109	65 - 120	13	20
Dichlorodifluoromethane	50.0	41.3	*	ug/Kg		83	57 - 142	21	20
Ethylbenzene	50.0	52.3		ug/Kg		105	80 - 120	7	20
1,2-Dibromoethane	50.0	54.0		ug/Kg		108	78 - 120	8	20
Isopropylbenzene	50.0	52.4		ug/Kg		105	72 - 120	9	20
Methyl acetate	100	117		ug/Kg		117	55 - 136	14	20
Methyl tert-butyl ether	50.0	54.3		ug/Kg		109	63 - 125	10	20
Methylcyclohexane	50.0	54.5		ug/Kg		109	60 - 140	12	20
Methylene Chloride	50.0	51.5		ug/Kg		103	61 - 127	10	20
Styrene	50.0	55.6		ug/Kg		111	80 - 120	8	20
Tetrachloroethene	50.0	54.5		ug/Kg		109	74 - 122	9	20
Toluene	50.0	51.8		ug/Kg		104	74 - 128	8	20
trans-1,2-Dichloroethene	50.0	53.3		ug/Kg		107	78 - 126	9	20
trans-1,3-Dichloropropene	50.0	56.3		ug/Kg		113	73 - 123	8	20
Trichloroethene	50.0	53.4		ug/Kg		107	77 - 129	10	20
Trichlorofluoromethane	50.0	47.0	*	ug/Kg		94	65 - 146	21	20
Vinyl chloride	50.0	43.6	*	ug/Kg		87	61 - 133	23	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	99		71 - 125
1,2-Dichloroethane-d4 (Surr)	106		64 - 126
4-Bromofluorobenzene (Surr)	102		72 - 126
Dibromofluoromethane (Surr)	101		60 - 140

Lab Sample ID: MB 480-519563/3-A

Matrix: Solid

Analysis Batch: 519564

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 519563

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		03/01/20 22:03	03/02/20 01:13	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-519563/3-A

Matrix: Solid

Analysis Batch: 519564

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 519563

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
2-Hexanone	ND		25	2.5	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Acetone	ND		25	4.2	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Benzene	ND		5.0	0.25	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Bromoform	ND		5.0	2.5	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Bromomethane	ND		5.0	0.45	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Chloroethane	ND		5.0	1.1	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Chloroform	ND		5.0	0.31	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Chloromethane	ND		5.0	0.30	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,4-Dioxane	ND		100	22	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Cyclohexane	ND		5.0	0.70	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Methyl acetate	ND		25	3.0	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Styrene	ND		5.0	0.25	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Toluene	ND		5.0	0.38	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Trichloroethene	ND		5.0	1.1	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Xylenes, Total	ND		10	0.84	ug/Kg		03/01/20 22:03	03/02/20 01:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		71 - 125	03/01/20 22:03	03/02/20 01:13	1
1,2-Dichloroethane-d4 (Surr)	100		64 - 126	03/01/20 22:03	03/02/20 01:13	1
4-Bromofluorobenzene (Surr)	99		72 - 126	03/01/20 22:03	03/02/20 01:13	1
Dibromofluoromethane (Surr)	101		60 - 140	03/01/20 22:03	03/02/20 01:13	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-519563/1-A

Matrix: Solid

Analysis Batch: 519564

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 519563

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	47.1		ug/Kg		94	77 - 121
1,1,2,2-Tetrachloroethane	50.0	45.8		ug/Kg		92	80 - 120
1,1,2-Trichloroethane	50.0	49.6		ug/Kg		99	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.9		ug/Kg		100	60 - 140
1,1-Dichloroethane	50.0	52.4		ug/Kg		105	73 - 126
1,1-Dichloroethene	50.0	51.0		ug/Kg		102	59 - 125
1,2,4-Trichlorobenzene	50.0	50.9		ug/Kg		102	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	46.7		ug/Kg		93	63 - 124
1,2-Dichlorobenzene	50.0	48.5		ug/Kg		97	75 - 120
1,2-Dichloroethane	50.0	44.7		ug/Kg		89	77 - 122
1,2-Dichloropropane	50.0	52.5		ug/Kg		105	75 - 124
1,3-Dichlorobenzene	50.0	48.5		ug/Kg		97	74 - 120
1,4-Dichlorobenzene	50.0	47.9		ug/Kg		96	73 - 120
2-Butanone (MEK)	250	448	*	ug/Kg		179	70 - 134
2-Hexanone	250	249		ug/Kg		99	59 - 130
4-Methyl-2-pentanone (MIBK)	250	249		ug/Kg		100	65 - 133
Acetone	250	239		ug/Kg		96	61 - 137
Benzene	50.0	50.0		ug/Kg		100	79 - 127
Bromodichloromethane	50.0	50.5		ug/Kg		101	80 - 122
Bromoform	50.0	52.1		ug/Kg		104	68 - 126
Bromomethane	50.0	35.2		ug/Kg		70	37 - 149
Carbon disulfide	50.0	52.4		ug/Kg		105	64 - 131
Carbon tetrachloride	50.0	48.5		ug/Kg		97	75 - 135
Chlorobenzene	50.0	49.7		ug/Kg		99	76 - 124
Dibromochloromethane	50.0	51.6		ug/Kg		103	76 - 125
Chloroethane	50.0	33.5	*	ug/Kg		67	69 - 135
Chloroform	50.0	48.0		ug/Kg		96	80 - 120
Chloromethane	50.0	40.8		ug/Kg		82	63 - 127
1,4-Dioxane	1000	986		ug/Kg		99	64 - 124
cis-1,2-Dichloroethene	50.0	50.4		ug/Kg		101	81 - 120
cis-1,3-Dichloropropene	50.0	54.2		ug/Kg		108	80 - 120
Cyclohexane	50.0	52.9		ug/Kg		106	65 - 120
Dichlorodifluoromethane	50.0	44.7		ug/Kg		89	57 - 142
Ethylbenzene	50.0	49.6		ug/Kg		99	80 - 120
1,2-Dibromoethane	50.0	48.9		ug/Kg		98	78 - 120
Isopropylbenzene	50.0	49.5		ug/Kg		99	72 - 120
Methyl acetate	100	103		ug/Kg		103	55 - 136
Methyl tert-butyl ether	50.0	48.8		ug/Kg		98	63 - 125
Methylcyclohexane	50.0	52.4		ug/Kg		105	60 - 140
Methylene Chloride	50.0	49.0		ug/Kg		98	61 - 127
Styrene	50.0	52.2		ug/Kg		104	80 - 120
Tetrachloroethene	50.0	51.6		ug/Kg		103	74 - 122
Toluene	50.0	49.3		ug/Kg		99	74 - 128
trans-1,2-Dichloroethene	50.0	50.8		ug/Kg		102	78 - 126
trans-1,3-Dichloropropene	50.0	52.1		ug/Kg		104	73 - 123
Trichloroethene	50.0	49.8		ug/Kg		100	77 - 129
Trichlorofluoromethane	50.0	44.9		ug/Kg		90	65 - 146
Vinyl chloride	50.0	39.4		ug/Kg		79	61 - 133

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		71 - 125
1,2-Dichloroethane-d4 (Surr)	103		64 - 126
4-Bromofluorobenzene (Surr)	101		72 - 126
Dibromofluoromethane (Surr)	98		60 - 140

Lab Sample ID: LCSD 480-519563/2-A
Matrix: Solid
Analysis Batch: 519564

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 519563

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1,1-Trichloroethane	50.0	44.6		ug/Kg		89	77 - 121	5	20
1,1,2,2-Tetrachloroethane	50.0	49.7		ug/Kg		99	80 - 120	8	20
1,1,2-Trichloroethane	50.0	49.0		ug/Kg		98	78 - 122	1	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	46.2		ug/Kg		92	60 - 140	8	20
1,1-Dichloroethane	50.0	50.2		ug/Kg		100	73 - 126	4	20
1,1-Dichloroethene	50.0	46.6		ug/Kg		93	59 - 125	9	20
1,2,4-Trichlorobenzene	50.0	48.6		ug/Kg		97	64 - 120	4	20
1,2-Dibromo-3-Chloropropane	50.0	48.2		ug/Kg		96	63 - 124	3	20
1,2-Dichlorobenzene	50.0	47.6		ug/Kg		95	75 - 120	2	20
1,2-Dichloroethane	50.0	44.2		ug/Kg		88	77 - 122	1	20
1,2-Dichloropropane	50.0	51.8		ug/Kg		104	75 - 124	1	20
1,3-Dichlorobenzene	50.0	47.5		ug/Kg		95	74 - 120	2	20
1,4-Dichlorobenzene	50.0	47.0		ug/Kg		94	73 - 120	2	20
2-Butanone (MEK)	250	467	*	ug/Kg		187	70 - 134	4	20
2-Hexanone	250	259		ug/Kg		103	59 - 130	4	20
4-Methyl-2-pentanone (MIBK)	250	253		ug/Kg		101	65 - 133	1	20
Acetone	250	238		ug/Kg		95	61 - 137	0	20
Benzene	50.0	48.5		ug/Kg		97	79 - 127	3	20
Bromodichloromethane	50.0	50.0		ug/Kg		100	80 - 122	1	20
Bromoform	50.0	53.4		ug/Kg		107	68 - 126	2	20
Bromomethane	50.0	31.7		ug/Kg		63	37 - 149	10	20
Carbon disulfide	50.0	57.0		ug/Kg		114	64 - 131	8	20
Carbon tetrachloride	50.0	46.1		ug/Kg		92	75 - 135	5	20
Chlorobenzene	50.0	47.9		ug/Kg		96	76 - 124	4	20
Dibromochloromethane	50.0	51.3		ug/Kg		103	76 - 125	1	20
Chloroethane	50.0	29.8	*	ug/Kg		60	69 - 135	12	20
Chloroform	50.0	45.9		ug/Kg		92	80 - 120	5	20
Chloromethane	50.0	35.4		ug/Kg		71	63 - 127	14	20
1,4-Dioxane	1000	1040		ug/Kg		104	64 - 124	6	20
cis-1,2-Dichloroethene	50.0	48.3		ug/Kg		97	81 - 120	4	20
cis-1,3-Dichloropropene	50.0	54.8		ug/Kg		110	80 - 120	1	20
Cyclohexane	50.0	49.4		ug/Kg		99	65 - 120	7	20
Dichlorodifluoromethane	50.0	40.1		ug/Kg		80	57 - 142	11	20
Ethylbenzene	50.0	48.1		ug/Kg		96	80 - 120	3	20
1,2-Dibromoethane	50.0	49.6		ug/Kg		99	78 - 120	1	20
Isopropylbenzene	50.0	47.3		ug/Kg		95	72 - 120	4	20
Methyl acetate	100	104		ug/Kg		104	55 - 136	1	20
Methyl tert-butyl ether	50.0	48.6		ug/Kg		97	63 - 125	1	20
Methylcyclohexane	50.0	49.6		ug/Kg		99	60 - 140	5	20
Methylene Chloride	50.0	45.8		ug/Kg		92	61 - 127	7	20
Styrene	50.0	51.3		ug/Kg		103	80 - 120	2	20

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 480-519563/2-A

Matrix: Solid

Analysis Batch: 519564

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 519563

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tetrachloroethene	50.0	49.9		ug/Kg		100	74 - 122	3	20
Toluene	50.0	47.3		ug/Kg		95	74 - 128	4	20
trans-1,2-Dichloroethene	50.0	47.7		ug/Kg		95	78 - 126	6	20
trans-1,3-Dichloropropene	50.0	51.5		ug/Kg		103	73 - 123	1	20
Trichloroethene	50.0	48.3		ug/Kg		97	77 - 129	3	20
Trichlorofluoromethane	50.0	40.3		ug/Kg		81	65 - 146	11	20
Vinyl chloride	50.0	35.5		ug/Kg		71	61 - 133	11	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	98		71 - 125
1,2-Dichloroethane-d4 (Surr)	101		64 - 126
4-Bromofluorobenzene (Surr)	103		72 - 126
Dibromofluoromethane (Surr)	95		60 - 140

Lab Sample ID: MB 480-519920/2-A

Matrix: Solid

Analysis Batch: 519933

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 519920

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	28	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,1,2,2-Tetrachloroethane	ND		100	16	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,1,2-Trichloroethane	ND		100	21	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,1-Dichloroethane	ND		100	31	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,1-Dichloroethene	ND		100	35	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,2,4-Trichlorobenzene	ND		100	38	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,2-Dichlorobenzene	ND		100	26	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,2-Dichloroethane	ND		100	41	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,2-Dichloropropane	ND		100	16	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,3-Dichlorobenzene	ND		100	27	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,4-Dichlorobenzene	ND		100	14	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
2-Butanone (MEK)	ND		500	300	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
2-Hexanone	ND		500	210	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Acetone	ND		500	410	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Benzene	ND		100	19	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Bromodichloromethane	ND		100	20	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Bromoform	ND		100	50	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Bromomethane	ND		100	22	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Carbon disulfide	ND		100	46	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Carbon tetrachloride	ND		100	26	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Chlorobenzene	ND		100	13	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Dibromochloromethane	ND		100	48	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Chloroethane	ND		100	21	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Chloroform	ND		100	69	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Chloromethane	ND		100	24	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,4-Dioxane	ND		1900	510	ug/Kg		03/03/20 23:22	03/04/20 10:51	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-519920/2-A

Matrix: Solid

Analysis Batch: 519933

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 519920

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		100	28	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
cis-1,3-Dichloropropene	ND		100	24	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Cyclohexane	ND		100	22	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Dichlorodifluoromethane	ND		100	44	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Ethylbenzene	ND		100	29	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,2-Dibromoethane	ND		100	18	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Isopropylbenzene	ND		100	15	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Methyl acetate	ND		500	48	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Methyl tert-butyl ether	ND		100	38	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Methylcyclohexane	ND		100	47	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Methylene Chloride	ND		100	20	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Styrene	ND		100	24	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Tetrachloroethene	ND		100	13	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Toluene	ND		100	27	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
trans-1,2-Dichloroethene	ND		100	24	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
trans-1,3-Dichloropropene	ND		100	9.8	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Trichloroethene	ND		100	28	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Trichlorofluoromethane	ND		100	47	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Vinyl chloride	ND		100	34	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Xylenes, Total	ND		200	55	ug/Kg		03/03/20 23:22	03/04/20 10:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		50 - 149	03/03/20 23:22	03/04/20 10:51	1
1,2-Dichloroethane-d4 (Surr)	95		53 - 146	03/03/20 23:22	03/04/20 10:51	1
4-Bromofluorobenzene (Surr)	98		49 - 148	03/03/20 23:22	03/04/20 10:51	1
Dibromofluoromethane (Surr)	91		60 - 140	03/03/20 23:22	03/04/20 10:51	1

Lab Sample ID: LCS 480-519920/1-A

Matrix: Solid

Analysis Batch: 519933

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 519920

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1,1-Trichloroethane	2500	2240		ug/Kg		90	68 - 130
1,1,2,2-Tetrachloroethane	2500	2280		ug/Kg		91	73 - 120
1,1,2-Trichloroethane	2500	2400		ug/Kg		96	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2220		ug/Kg		89	10 - 179
1,1-Dichloroethane	2500	2420		ug/Kg		97	78 - 121
1,1-Dichloroethene	2500	2230		ug/Kg		89	48 - 133
1,2,4-Trichlorobenzene	2500	2420		ug/Kg		97	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2210		ug/Kg		88	56 - 122
1,2-Dichlorobenzene	2500	2330		ug/Kg		93	78 - 125
1,2-Dichloroethane	2500	2350		ug/Kg		94	74 - 127
1,2-Dichloropropane	2500	2610		ug/Kg		105	80 - 120
1,3-Dichlorobenzene	2500	2330		ug/Kg		93	80 - 120
1,4-Dichlorobenzene	2500	2350		ug/Kg		94	80 - 120
2-Butanone (MEK)	12500	12400		ug/Kg		99	54 - 149
2-Hexanone	12500	12500		ug/Kg		100	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	12200		ug/Kg		98	74 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-519920/1-A

Matrix: Solid

Analysis Batch: 519933

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 519920

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	12500	11600		ug/Kg		93	47 - 141
Benzene	2500	2420		ug/Kg		97	77 - 125
Bromodichloromethane	2500	2490		ug/Kg		100	71 - 121
Bromoform	2500	2520		ug/Kg		101	48 - 125
Bromomethane	2500	1980		ug/Kg		79	39 - 149
Carbon disulfide	2500	2340		ug/Kg		94	40 - 136
Carbon tetrachloride	2500	2410		ug/Kg		97	54 - 135
Chlorobenzene	2500	2440		ug/Kg		98	76 - 126
Dibromochloromethane	2500	2410		ug/Kg		96	64 - 120
Chloroethane	2500	1760		ug/Kg		70	23 - 150
Chloroform	2500	2290		ug/Kg		92	78 - 120
Chloromethane	2500	2250		ug/Kg		90	61 - 124
1,4-Dioxane	50000	63500		ug/Kg		127	40 - 150
cis-1,2-Dichloroethene	2500	2330		ug/Kg		93	79 - 124
cis-1,3-Dichloropropene	2500	2560		ug/Kg		102	75 - 121
Cyclohexane	2500	2470		ug/Kg		99	49 - 129
Dichlorodifluoromethane	2500	2060		ug/Kg		82	10 - 150
Ethylbenzene	2500	2430		ug/Kg		97	78 - 124
1,2-Dibromoethane	2500	2420		ug/Kg		97	80 - 120
Isopropylbenzene	2500	2330		ug/Kg		93	76 - 120
Methyl acetate	5000	5000		ug/Kg		100	71 - 123
Methyl tert-butyl ether	2500	2210		ug/Kg		88	67 - 137
Methylcyclohexane	2500	2490		ug/Kg		100	50 - 130
Methylene Chloride	2500	2510		ug/Kg		100	75 - 118
Styrene	2500	2530		ug/Kg		101	80 - 120
Tetrachloroethene	2500	2530		ug/Kg		101	73 - 133
Toluene	2500	2450		ug/Kg		98	75 - 124
trans-1,2-Dichloroethene	2500	2420		ug/Kg		97	74 - 129
trans-1,3-Dichloropropene	2500	2580		ug/Kg		103	73 - 120
Trichloroethene	2500	2350		ug/Kg		94	75 - 131
Trichlorofluoromethane	2500	1960		ug/Kg		78	29 - 158
Vinyl chloride	2500	2310		ug/Kg		92	59 - 124

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	101		50 - 149
1,2-Dichloroethane-d4 (Surr)	102		53 - 146
4-Bromofluorobenzene (Surr)	99		49 - 148
Dibromofluoromethane (Surr)	101		60 - 140

QC Association Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

GC/MS VOA

Analysis Batch: 519380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166795-1	SB-R39	Total/NA	Solid	8260C	519433
480-166795-2	SB-R34	Total/NA	Solid	8260C	519433
480-166795-3	SB-R31	Total/NA	Solid	8260C	519433
480-166795-4	SB-R23	Total/NA	Solid	8260C	519433
480-166795-5	SB-R19	Total/NA	Solid	8260C	519433
480-166795-6	SB-R16	Total/NA	Solid	8260C	519433
480-166795-7	SB-R9 (10-12)	Total/NA	Solid	8260C	519433
480-166795-8	SB-R9 (15-16)	Total/NA	Solid	8260C	519433
480-166795-10	SB-R44	Total/NA	Solid	8260C	519433
MB 480-519433/3-A	Method Blank	Total/NA	Solid	8260C	519433
LCS 480-519433/1-A	Lab Control Sample	Total/NA	Solid	8260C	519433
LCSD 480-519433/2-A	Lab Control Sample Dup	Total/NA	Solid	8260C	519433

Prep Batch: 519433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166795-1	SB-R39	Total/NA	Solid	5035A_L	
480-166795-2	SB-R34	Total/NA	Solid	5035A_L	
480-166795-3	SB-R31	Total/NA	Solid	5035A_L	
480-166795-4	SB-R23	Total/NA	Solid	5035A_L	
480-166795-5	SB-R19	Total/NA	Solid	5035A_L	
480-166795-6	SB-R16	Total/NA	Solid	5035A_L	
480-166795-7	SB-R9 (10-12)	Total/NA	Solid	5035A_L	
480-166795-8	SB-R9 (15-16)	Total/NA	Solid	5035A_L	
480-166795-10	SB-R44	Total/NA	Solid	5035A_L	
MB 480-519433/3-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-519433/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	
LCSD 480-519433/2-A	Lab Control Sample Dup	Total/NA	Solid	5035A_L	

Prep Batch: 519563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166795-9	SB-R5	Total/NA	Solid	5035A_L	
MB 480-519563/3-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-519563/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	
LCSD 480-519563/2-A	Lab Control Sample Dup	Total/NA	Solid	5035A_L	

Analysis Batch: 519564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166795-9	SB-R5	Total/NA	Solid	8260C	519563
MB 480-519563/3-A	Method Blank	Total/NA	Solid	8260C	519563
LCS 480-519563/1-A	Lab Control Sample	Total/NA	Solid	8260C	519563
LCSD 480-519563/2-A	Lab Control Sample Dup	Total/NA	Solid	8260C	519563

Prep Batch: 519920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166795-7 - DL	SB-R9 (10-12)	Total/NA	Solid	5035A_H	
480-166795-8 - DL	SB-R9 (15-16)	Total/NA	Solid	5035A_H	
MB 480-519920/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-519920/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

GC/MS VOA

Analysis Batch: 519933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-519920/2-A	Method Blank	Total/NA	Solid	8260C	519920
LCS 480-519920/1-A	Lab Control Sample	Total/NA	Solid	8260C	519920

Analysis Batch: 519934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166795-7 - DL	SB-R9 (10-12)	Total/NA	Solid	8260C	519920
480-166795-8 - DL	SB-R9 (15-16)	Total/NA	Solid	8260C	519920

General Chemistry

Analysis Batch: 519456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166795-1	SB-R39	Total/NA	Solid	Moisture	
480-166795-2	SB-R34	Total/NA	Solid	Moisture	
480-166795-3	SB-R31	Total/NA	Solid	Moisture	
480-166795-4	SB-R23	Total/NA	Solid	Moisture	
480-166795-5	SB-R19	Total/NA	Solid	Moisture	
480-166795-6	SB-R16	Total/NA	Solid	Moisture	
480-166795-7	SB-R9 (10-12)	Total/NA	Solid	Moisture	
480-166795-8	SB-R9 (15-16)	Total/NA	Solid	Moisture	
480-166795-9	SB-R5	Total/NA	Solid	Moisture	
480-166795-10	SB-R44	Total/NA	Solid	Moisture	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R39

Date Collected: 02/24/20 12:30

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	519456	02/28/20 13:24	WJD	TAL BUF

Client Sample ID: SB-R39

Date Collected: 02/24/20 12:30

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-1

Matrix: Solid

Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			519433	02/27/20 15:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	519380	02/28/20 15:17	WJD	TAL BUF

Client Sample ID: SB-R34

Date Collected: 02/25/20 08:10

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	519456	02/28/20 13:24	WJD	TAL BUF

Client Sample ID: SB-R34

Date Collected: 02/25/20 08:10

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-2

Matrix: Solid

Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			519433	02/27/20 15:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	519380	02/28/20 15:42	WJD	TAL BUF

Client Sample ID: SB-R31

Date Collected: 02/25/20 10:00

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	519456	02/28/20 13:24	WJD	TAL BUF

Client Sample ID: SB-R31

Date Collected: 02/25/20 10:00

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-3

Matrix: Solid

Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			519433	02/27/20 15:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	519380	02/28/20 16:08	WJD	TAL BUF

Client Sample ID: SB-R23

Date Collected: 02/25/20 13:30

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	519456	02/28/20 13:24	WJD	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R23

Date Collected: 02/25/20 13:30

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-4

Matrix: Solid

Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			519433	02/27/20 15:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	519380	02/28/20 16:33	WJD	TAL BUF

Client Sample ID: SB-R19

Date Collected: 02/25/20 14:35

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	519456	02/28/20 13:24	WJD	TAL BUF

Client Sample ID: SB-R19

Date Collected: 02/25/20 14:35

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-5

Matrix: Solid

Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			519433	02/27/20 15:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	519380	02/28/20 16:59	WJD	TAL BUF

Client Sample ID: SB-R16

Date Collected: 02/25/20 15:30

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	519456	02/28/20 13:24	WJD	TAL BUF

Client Sample ID: SB-R16

Date Collected: 02/25/20 15:30

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-6

Matrix: Solid

Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			519433	02/27/20 15:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	519380	02/28/20 17:24	WJD	TAL BUF

Client Sample ID: SB-R9 (10-12)

Date Collected: 02/26/20 10:30

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	519456	02/28/20 13:24	WJD	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R9 (10-12)

Date Collected: 02/26/20 10:30

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-7

Matrix: Solid

Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			519433	02/27/20 15:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	519380	02/28/20 17:49	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		519920	03/03/20 23:22	CDC	TAL BUF
Total/NA	Analysis	8260C	DL	1	519934	03/04/20 13:22	CRL	TAL BUF

Client Sample ID: SB-R9 (15-16)

Date Collected: 02/26/20 10:45

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	519456	02/28/20 13:24	WJD	TAL BUF

Client Sample ID: SB-R9 (15-16)

Date Collected: 02/26/20 10:45

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-8

Matrix: Solid

Percent Solids: 79.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			519433	02/27/20 15:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	519380	02/28/20 18:15	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		519920	03/03/20 23:22	CDC	TAL BUF
Total/NA	Analysis	8260C	DL	8	519934	03/04/20 13:47	CRL	TAL BUF

Client Sample ID: SB-R5

Date Collected: 02/26/20 11:30

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	519456	02/28/20 13:24	WJD	TAL BUF

Client Sample ID: SB-R5

Date Collected: 02/26/20 11:30

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-9

Matrix: Solid

Percent Solids: 79.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			519563	02/27/20 15:30	CDC	TAL BUF
Total/NA	Analysis	8260C		1	519564	03/02/20 02:38	WJD	TAL BUF

Client Sample ID: SB-R44

Date Collected: 02/26/20 15:30

Date Received: 02/27/20 12:30

Lab Sample ID: 480-166795-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	519456	02/28/20 13:24	WJD	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Client Sample ID: SB-R44

Lab Sample ID: 480-166795-10

Date Collected: 02/26/20 15:30

Matrix: Solid

Date Received: 02/27/20 12:30

Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			519433	02/27/20 15:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	519380	02/28/20 19:05	WJD	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166795-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-166795-1	SB-R39	Solid	02/24/20 12:30	02/27/20 12:30	
480-166795-2	SB-R34	Solid	02/25/20 08:10	02/27/20 12:30	
480-166795-3	SB-R31	Solid	02/25/20 10:00	02/27/20 12:30	
480-166795-4	SB-R23	Solid	02/25/20 13:30	02/27/20 12:30	
480-166795-5	SB-R19	Solid	02/25/20 14:35	02/27/20 12:30	
480-166795-6	SB-R16	Solid	02/25/20 15:30	02/27/20 12:30	
480-166795-7	SB-R9 (10-12)	Solid	02/26/20 10:30	02/27/20 12:30	
480-166795-8	SB-R9 (15-16)	Solid	02/26/20 10:45	02/27/20 12:30	
480-166795-9	SB-R5	Solid	02/26/20 11:30	02/27/20 12:30	
480-166795-10	SB-R44	Solid	02/26/20 15:30	02/27/20 12:30	



CHAIN OF CUSTODY

Client: New York State Dept. of
Environmental Conservation

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FED-EX Tracking #	Bottle Order Control #
Lab Quote #	Lab Job #

CLIENT/REPORTING INFORMATION		PROJECT INFORMATION		BILLING INFORMATION		REQUESTED ANALYSIS (see Test Code sheet)	
Groundwater & Environmental Services, Inc. 415 Lawrence Bell Drive, Williamsville, NY 14221 Project Manager: Thomas Palmer Phone #: 800-287-7857 Email: NERegion@gesonline.com fax: 866-902-2187		Project Name: NYSDEC/Frewsburg/NY/FalconerSt/300 Project Address: 300 Falconer Street, Frewsburg, NY Project PSID #: 0901685-05-216		NYSDEC NYSDEC PM: Maurice Moore Phone Number: (716) 851-7220 Email: maurice.moore@dec.ny.gov Lab PM: Orlette Johnson NYSDEC Site No.: 907016		 480-166795 Chain of Custody	
Sampler(s) Name: Pat Colern		Sampler(s) Name:		number of preserved bottles			
Lab Sample #	Field ID / Point of Collection (Sys_loc_code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles
	SB-R39	12-14	2/24/20	12:30	P.2.	SS	4
	SB-R34	1-4	2/25/20	0810	P.2.	SS	4
	SB-R31	2-4	2/25/20	1000	P.2.	SS	4
	SB-R23	4-6	2/25/20	1330	P.2.	SS	4
	SB-R19	5-8	2/25/20	1435	P.2.	SS	4
	SB-R16	5-8	2/25/20	1530	P.2.	SS	4
	SB-R9 (10-12)	10-12	2/26/20	10:30	P.2.	SS	4
	SB-R9 (15-16)	15-16	2/26/20	10:45	P.2.	SS	4
	SB-R5	8-10	2/26/20	11:30	P.2.	SS	4
	SB-R44	4-6	2/26/20	1530	P.2.	SS	4
						SS	
						SS	

Turnaround Time (Business Days) Approved By (Lab PM) / Date

☒ Standard 14 Days

☐ 1 day RUSH

☐ Other

Laboratory Information

Lab: TestAmerica Buffalo

Address: 15 Hazelwood Drive, Amherst, NY

Phone: 484-685-0864

Lab PM: Orlette Johnson

Lab PM Email: Orlette.Johnson@testamericainc.com

Data Deliverable Information

☐ Commercial 'A' (Level 1) = Results Only

☐ Commercial 'B' (Level 2) = Results + QC Summary

☐ FULLT1 (Level 3 & 4)

☐ NJ Reduced = Results + QC Summary + Partial Raw Data

☐ Commercial 'C'

☐ NJ Data of Known Quality Protocol Reporting

☐ NYASP Category A

☒ NYASP Category B

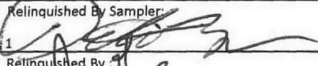
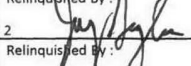
☐ State Forms

☒ NYDEC EDD

☒ EQEDD

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSDEC/Frewsburg/NY/FalconerSt/300_LabReport#.27908.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier			
Relinquished By Sampler:	Date / Time:	Received By:	
1 	2/26/20 1700	2/27/20 11:00	
Relinquished By:	Date / Time:	Received By:	
2 	2/27/20 1230	2/27/20 1230	
Relinquished By:	Date / Time:	Received By:	
3			
Custody Seal Number: ☐ Intact ☐ Preserved where applicable ☐ Not Intact ☐ On Ice Cooler Temp 1.9 #1 ICE			

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-166795-1

Login Number: 166795

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	FREEZETIME 2/27/20 15:30
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

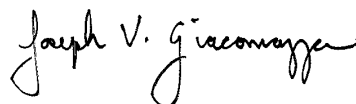
ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-166855-1
Client Project/Site: Frewsburg Site #907016

For:
New York State D.E.C.
270 Michigan Avenue
Buffalo, New York 14203

Attn: Mr. Maurice Moore



Authorized for release by:
3/9/2020 11:29:25 AM

Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

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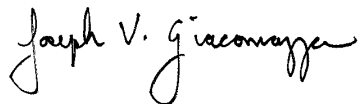
The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Management Assistant II
3/9/2020 11:29:25 AM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Job ID: 480-166855-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-166855-1

Comments

No additional comments.

Receipt

The samples were received on 2/28/2020 14:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8° C.

GC/MS VOA

Method 8260C: Due to the co-elution of Ethyl Acetate with 2-Butanone in the full spike solution, 2-Butanone exceeded control limits in the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with batch 480-519564. The following samples are impacted: SB-R26 (480-166855-1), SB-R29 (480-166855-2), SB-R20 (480-166855-3) and SSB-5 (480-166855-4).

Method 8260C: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for preparation batch 480-519563 and analytical batch 480-519564 recovered outside control limits for the following analyte: Chloroethane. Chloroethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-analysis was not performed. The following samples are affected: SB-R26 (480-166855-1), SB-R29 (480-166855-2), SB-R20 (480-166855-3) and SSB-5 (480-166855-4).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-519939 recovered outside acceptance criteria, low biased, for 1,1,2-Trichloro-1,2,2-trifluoroethane, Chloromethane and Vinyl chloride. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect above the reporting limit for these analytes, the data have been reported. The following samples are impacted: SB-R28 (480-166855-7) and SB-R25 (480-166855-8).

Method 8260C: Due to the co-elution of Ethyl Acetate with 2-Butanone, 2-Butanone exceeded control limits in the laboratory control sample (LCS) associated with batch 480-519939. The following samples were affected: SB-R28 (480-166855-7) and SB-R25 (480-166855-8).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-519934 recovered outside acceptance criteria, low biased, for 1,2,4-Trichlorobenzene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: SB-R20 (480-166855-3), SSB-5 (480-166855-4), SB-R24 (480-166855-5) and SB-R32 (480-166855-6).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-519934 recovered above the upper control limit for 1,4-Dioxane. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The following samples are impacted: SB-R20 (480-166855-3), SSB-5 (480-166855-4), SB-R24 (480-166855-5) and SB-R32 (480-166855-6).

Method 8260C: The following samples were analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: SB-R20 (480-166855-3) and SB-R32 (480-166855-6). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: SSB-5 (480-166855-4) and SB-R24 (480-166855-5). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Client Sample ID: SB-R26

Lab Sample ID: 480-166855-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11	J	22	3.7	ug/Kg	1	✖	8260C	Total/NA
cis-1,2-Dichloroethene	13		4.4	0.57	ug/Kg	1	✖	8260C	Total/NA

Client Sample ID: SB-R29

Lab Sample ID: 480-166855-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11	J	20	3.4	ug/Kg	1	✖	8260C	Total/NA
Benzene	3.1	J	4.1	0.20	ug/Kg	1	✖	8260C	Total/NA
Cyclohexane	7.1		4.1	0.57	ug/Kg	1	✖	8260C	Total/NA
Ethylbenzene	0.65	J	4.1	0.28	ug/Kg	1	✖	8260C	Total/NA
Methylcyclohexane	9.6		4.1	0.62	ug/Kg	1	✖	8260C	Total/NA
Toluene	5.2		4.1	0.31	ug/Kg	1	✖	8260C	Total/NA
Xylenes, Total	4.0	J	8.1	0.68	ug/Kg	1	✖	8260C	Total/NA

Client Sample ID: SB-R20

Lab Sample ID: 480-166855-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11	J	21	3.5	ug/Kg	1	✖	8260C	Total/NA
Chloroform	0.30	J	4.2	0.26	ug/Kg	1	✖	8260C	Total/NA
cis-1,2-Dichloroethene	1.1	J	4.2	0.54	ug/Kg	1	✖	8260C	Total/NA
Tetrachloroethene	1.1	J	4.2	0.56	ug/Kg	1	✖	8260C	Total/NA
Trichloroethene	600	E	4.2	0.92	ug/Kg	1	✖	8260C	Total/NA
Methyl acetate - DL	97	J	270	26	ug/Kg	1	✖	8260C	Total/NA
Trichloroethene - DL	2700		54	15	ug/Kg	1	✖	8260C	Total/NA

Client Sample ID: SSB-5

Lab Sample ID: 480-166855-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11	J	21	3.5	ug/Kg	1	✖	8260C	Total/NA
Benzene	1.6	J	4.1	0.20	ug/Kg	1	✖	8260C	Total/NA
cis-1,2-Dichloroethene	23		4.1	0.53	ug/Kg	1	✖	8260C	Total/NA
Cyclohexane	2.2	J	4.1	0.58	ug/Kg	1	✖	8260C	Total/NA
Ethylbenzene	0.29	J	4.1	0.28	ug/Kg	1	✖	8260C	Total/NA
Methylcyclohexane	3.0	J	4.1	0.63	ug/Kg	1	✖	8260C	Total/NA
Tetrachloroethene	1.5	J	4.1	0.55	ug/Kg	1	✖	8260C	Total/NA
Toluene	2.3	J	4.1	0.31	ug/Kg	1	✖	8260C	Total/NA
Trichloroethene	2600	E	4.1	0.91	ug/Kg	1	✖	8260C	Total/NA
Xylenes, Total	1.0	J	8.3	0.69	ug/Kg	1	✖	8260C	Total/NA
Trichloroethene - DL	24000		390	110	ug/Kg	8	✖	8260C	Total/NA
Fuel Oil #2	1.3		1.1	1.1	mg/Kg	1	✖	310.13	Total/NA

Client Sample ID: SB-R24

Lab Sample ID: 480-166855-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	36000		1100	310	ug/Kg	20	✖	8260C	Total/NA

Client Sample ID: SB-R32

Lab Sample ID: 480-166855-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl acetate	160	J	200	19	ug/Kg	1	✖	8260C	Total/NA
Trichloroethene	75		39	11	ug/Kg	1	✖	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Client Sample ID: SB-R28

Lab Sample ID: 480-166855-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
2-Butanone (MEK)	1.9	J *	23	1.7	ug/Kg	1		✖	8260C	Total/NA
Benzene	4.7		4.6	0.23	ug/Kg	1		✖	8260C	Total/NA
Cyclohexane	9.9		4.6	0.65	ug/Kg	1		✖	8260C	Total/NA
Ethylbenzene	1.6	J	4.6	0.32	ug/Kg	1		✖	8260C	Total/NA
Methylcyclohexane	14		4.6	0.70	ug/Kg	1		✖	8260C	Total/NA
Toluene	11		4.6	0.35	ug/Kg	1		✖	8260C	Total/NA
Xylenes, Total	10		9.2	0.78	ug/Kg	1		✖	8260C	Total/NA

Client Sample ID: SB-R25

Lab Sample ID: 480-166855-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
2-Butanone (MEK)	4.9	J *	25	1.8	ug/Kg	1		✖	8260C	Total/NA
Acetone	25		25	4.2	ug/Kg	1		✖	8260C	Total/NA
Benzene	4.8	J	5.0	0.24	ug/Kg	1		✖	8260C	Total/NA
Chloromethane	2.3	J	5.0	0.30	ug/Kg	1		✖	8260C	Total/NA
Cyclohexane	11		5.0	0.70	ug/Kg	1		✖	8260C	Total/NA
Ethylbenzene	1.0	J	5.0	0.34	ug/Kg	1		✖	8260C	Total/NA
Methyl acetate	4.1	J	25	3.0	ug/Kg	1		✖	8260C	Total/NA
Methylcyclohexane	14		5.0	0.76	ug/Kg	1		✖	8260C	Total/NA
Toluene	8.6		5.0	0.38	ug/Kg	1		✖	8260C	Total/NA
Trichloroethene	1.4	J	5.0	1.1	ug/Kg	1		✖	8260C	Total/NA
Xylenes, Total	4.3	J	10	0.84	ug/Kg	1		✖	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Client Sample ID: SB-R26

Lab Sample ID: 480-166855-1

Date Collected: 02/27/20 12:00

Matrix: Solid

Date Received: 02/28/20 14:15

Percent Solids: 86.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.4	0.32	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
1,1,2,2-Tetrachloroethane	ND		4.4	0.72	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
1,1,2-Trichloroethane	ND		4.4	0.58	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.4	1.0	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
1,1-Dichloroethane	ND		4.4	0.54	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
1,1-Dichloroethene	ND		4.4	0.54	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
1,2,4-Trichlorobenzene	ND		4.4	0.27	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
1,2-Dibromo-3-Chloropropane	ND		4.4	2.2	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
1,2-Dichlorobenzene	ND		4.4	0.35	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
1,2-Dichloroethane	ND		4.4	0.22	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
1,2-Dichloropropane	ND		4.4	2.2	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
1,3-Dichlorobenzene	ND		4.4	0.23	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
1,4-Dichlorobenzene	ND		4.4	0.62	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
2-Butanone (MEK)	ND	*	22	1.6	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
2-Hexanone	ND		22	2.2	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
4-Methyl-2-pentanone (MIBK)	ND		22	1.5	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Acetone	11	J	22	3.7	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Benzene	ND		4.4	0.22	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Bromodichloromethane	ND		4.4	0.60	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Bromoform	ND		4.4	2.2	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Bromomethane	ND		4.4	0.40	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Carbon disulfide	ND		4.4	2.2	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Carbon tetrachloride	ND		4.4	0.43	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Chlorobenzene	ND		4.4	0.59	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Dibromochloromethane	ND		4.4	0.57	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Chloroethane	ND	*	4.4	1.0	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Chloroform	ND		4.4	0.27	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Chloromethane	ND		4.4	0.27	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
1,4-Dioxane	ND		89	19	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
cis-1,2-Dichloroethene	13		4.4	0.57	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
cis-1,3-Dichloropropene	ND		4.4	0.64	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Cyclohexane	ND		4.4	0.62	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Dichlorodifluoromethane	ND		4.4	0.37	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Ethylbenzene	ND		4.4	0.31	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
1,2-Dibromoethane	ND		4.4	0.57	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Isopropylbenzene	ND		4.4	0.67	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Methyl acetate	ND		22	2.7	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Methyl tert-butyl ether	ND		4.4	0.44	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Methylcyclohexane	ND		4.4	0.68	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Methylene Chloride	ND		4.4	2.0	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Styrene	ND		4.4	0.22	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Tetrachloroethene	ND		4.4	0.60	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Toluene	ND		4.4	0.34	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
trans-1,2-Dichloroethene	ND		4.4	0.46	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
trans-1,3-Dichloropropene	ND		4.4	2.0	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Trichloroethene	ND		4.4	0.98	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Trichlorofluoromethane	ND		4.4	0.42	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Vinyl chloride	ND		4.4	0.54	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1
Xylenes, Total	ND		8.9	0.75	ug/Kg	☼	02/28/20 15:30	03/02/20 03:29	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Client Sample ID: SB-R26

Date Collected: 02/27/20 12:00

Date Received: 02/28/20 14:15

Lab Sample ID: 480-166855-1

Matrix: Solid

Percent Solids: 86.8

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	98		71 - 125	02/28/20 15:30	03/02/20 03:29	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	107		64 - 126	02/28/20 15:30	03/02/20 03:29	1
<i>4-Bromofluorobenzene (Surr)</i>	101		72 - 126	02/28/20 15:30	03/02/20 03:29	1
<i>Dibromofluoromethane (Surr)</i>	99		60 - 140	02/28/20 15:30	03/02/20 03:29	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Client Sample ID: SB-R29

Lab Sample ID: 480-166855-2

Date Collected: 02/27/20 14:00

Matrix: Solid

Date Received: 02/28/20 14:15

Percent Solids: 83.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.1	0.30	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
1,1,2,2-Tetrachloroethane	ND		4.1	0.66	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
1,1,2-Trichloroethane	ND		4.1	0.53	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.1	0.93	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
1,1-Dichloroethane	ND		4.1	0.50	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
1,1-Dichloroethene	ND		4.1	0.50	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
1,2,4-Trichlorobenzene	ND		4.1	0.25	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
1,2-Dibromo-3-Chloropropane	ND		4.1	2.0	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
1,2-Dichlorobenzene	ND		4.1	0.32	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
1,2-Dichloroethane	ND		4.1	0.20	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
1,2-Dichloropropane	ND		4.1	2.0	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
1,3-Dichlorobenzene	ND		4.1	0.21	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
1,4-Dichlorobenzene	ND		4.1	0.57	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
2-Butanone (MEK)	ND	*	20	1.5	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
2-Hexanone	ND		20	2.0	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
4-Methyl-2-pentanone (MIBK)	ND		20	1.3	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Acetone	11	J	20	3.4	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Benzene	3.1	J	4.1	0.20	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Bromodichloromethane	ND		4.1	0.54	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Bromoform	ND		4.1	2.0	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Bromomethane	ND		4.1	0.37	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Carbon disulfide	ND		4.1	2.0	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Carbon tetrachloride	ND		4.1	0.39	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Chlorobenzene	ND		4.1	0.54	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Dibromochloromethane	ND		4.1	0.52	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Chloroethane	ND	*	4.1	0.92	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Chloroform	ND		4.1	0.25	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Chloromethane	ND		4.1	0.25	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
1,4-Dioxane	ND		81	18	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
cis-1,2-Dichloroethene	ND		4.1	0.52	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
cis-1,3-Dichloropropene	ND		4.1	0.59	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Cyclohexane	7.1		4.1	0.57	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Dichlorodifluoromethane	ND		4.1	0.34	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Ethylbenzene	0.65	J	4.1	0.28	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
1,2-Dibromoethane	ND		4.1	0.52	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Isopropylbenzene	ND		4.1	0.61	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Methyl acetate	ND		20	2.5	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Methyl tert-butyl ether	ND		4.1	0.40	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Methylcyclohexane	9.6		4.1	0.62	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Methylene Chloride	ND		4.1	1.9	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Styrene	ND		4.1	0.20	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Tetrachloroethene	ND		4.1	0.55	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Toluene	5.2		4.1	0.31	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
trans-1,2-Dichloroethene	ND		4.1	0.42	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
trans-1,3-Dichloropropene	ND		4.1	1.8	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Trichloroethene	ND		4.1	0.89	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Trichlorofluoromethane	ND		4.1	0.38	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Vinyl chloride	ND		4.1	0.50	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1
Xylenes, Total	4.0	J	8.1	0.68	ug/Kg	☼	02/28/20 15:30	03/02/20 03:54	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Client Sample ID: SB-R29

Date Collected: 02/27/20 14:00

Date Received: 02/28/20 14:15

Lab Sample ID: 480-166855-2

Matrix: Solid

Percent Solids: 83.5

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	99		71 - 125	02/28/20 15:30	03/02/20 03:54	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	105		64 - 126	02/28/20 15:30	03/02/20 03:54	1
<i>4-Bromofluorobenzene (Surr)</i>	99		72 - 126	02/28/20 15:30	03/02/20 03:54	1
<i>Dibromofluoromethane (Surr)</i>	96		60 - 140	02/28/20 15:30	03/02/20 03:54	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Client Sample ID: SB-R20

Lab Sample ID: 480-166855-3

Date Collected: 02/27/20 16:00

Matrix: Solid

Date Received: 02/28/20 14:15

Percent Solids: 80.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.2	0.30	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
1,1,2,2-Tetrachloroethane	ND		4.2	0.68	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
1,1,2-Trichloroethane	ND		4.2	0.54	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.2	0.95	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
1,1-Dichloroethane	ND		4.2	0.51	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
1,1-Dichloroethene	ND		4.2	0.51	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
1,2,4-Trichlorobenzene	ND		4.2	0.25	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
1,2-Dibromo-3-Chloropropane	ND		4.2	2.1	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
1,2-Dichlorobenzene	ND		4.2	0.33	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
1,2-Dichloroethane	ND		4.2	0.21	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
1,2-Dichloropropane	ND		4.2	2.1	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
1,3-Dichlorobenzene	ND		4.2	0.22	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
1,4-Dichlorobenzene	ND		4.2	0.59	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
2-Butanone (MEK)	ND	*	21	1.5	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
2-Hexanone	ND		21	2.1	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
4-Methyl-2-pentanone (MIBK)	ND		21	1.4	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Acetone	11	J	21	3.5	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Benzene	ND		4.2	0.21	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Bromodichloromethane	ND		4.2	0.56	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Bromoform	ND		4.2	2.1	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Bromomethane	ND		4.2	0.38	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Carbon disulfide	ND		4.2	2.1	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Carbon tetrachloride	ND		4.2	0.41	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Chlorobenzene	ND		4.2	0.55	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Dibromochloromethane	ND		4.2	0.54	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Chloroethane	ND	*	4.2	0.95	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Chloroform	0.30	J	4.2	0.26	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Chloromethane	ND		4.2	0.25	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
1,4-Dioxane	ND		84	18	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
cis-1,2-Dichloroethene	1.1	J	4.2	0.54	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
cis-1,3-Dichloropropene	ND		4.2	0.60	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Cyclohexane	ND		4.2	0.59	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Dichlorodifluoromethane	ND		4.2	0.35	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Ethylbenzene	ND		4.2	0.29	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
1,2-Dibromoethane	ND		4.2	0.54	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Isopropylbenzene	ND		4.2	0.63	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Methyl acetate	ND		21	2.5	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Methyl tert-butyl ether	ND		4.2	0.41	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Methylcyclohexane	ND		4.2	0.64	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Methylene Chloride	ND		4.2	1.9	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Styrene	ND		4.2	0.21	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Tetrachloroethene	1.1	J	4.2	0.56	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Toluene	ND		4.2	0.32	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
trans-1,2-Dichloroethene	ND		4.2	0.43	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
trans-1,3-Dichloropropene	ND		4.2	1.8	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Trichloroethene	600	E	4.2	0.92	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Trichlorofluoromethane	ND		4.2	0.40	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Vinyl chloride	ND		4.2	0.51	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1
Xylenes, Total	ND		8.4	0.70	ug/Kg	☼	02/28/20 15:30	03/02/20 04:19	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Client Sample ID: SB-R20

Lab Sample ID: 480-166855-3

Date Collected: 02/27/20 16:00

Matrix: Solid

Date Received: 02/28/20 14:15

Percent Solids: 80.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		71 - 125	02/28/20 15:30	03/02/20 04:19	1
1,2-Dichloroethane-d4 (Surr)	107		64 - 126	02/28/20 15:30	03/02/20 04:19	1
4-Bromofluorobenzene (Surr)	98		72 - 126	02/28/20 15:30	03/02/20 04:19	1
Dibromofluoromethane (Surr)	101		60 - 140	02/28/20 15:30	03/02/20 04:19	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		54	15	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
1,1,2,2-Tetrachloroethane	ND		54	8.8	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
1,1,2-Trichloroethane	ND		54	11	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		54	27	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
1,1-Dichloroethane	ND		54	17	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
1,1-Dichloroethene	ND		54	19	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
1,2,4-Trichlorobenzene	ND		54	21	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
1,2-Dibromo-3-Chloropropane	ND		54	27	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
1,2-Dichlorobenzene	ND		54	14	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
1,2-Dichloroethane	ND		54	22	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
1,2-Dichloropropane	ND		54	8.8	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
1,3-Dichlorobenzene	ND		54	14	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
1,4-Dichlorobenzene	ND		54	7.6	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
2-Butanone (MEK)	ND		270	160	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
2-Hexanone	ND		270	110	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
4-Methyl-2-pentanone (MIBK)	ND		270	17	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Acetone	ND		270	220	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Benzene	ND		54	10	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Bromodichloromethane	ND		54	11	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Bromoform	ND		54	27	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Bromomethane	ND		54	12	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Carbon disulfide	ND		54	25	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Carbon tetrachloride	ND		54	14	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Chlorobenzene	ND		54	7.2	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Dibromochloromethane	ND		54	26	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Chloroethane	ND		54	11	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Chloroform	ND		54	37	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Chloromethane	ND		54	13	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
1,4-Dioxane	ND		1000	280	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
cis-1,2-Dichloroethene	ND		54	15	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
cis-1,3-Dichloropropene	ND		54	13	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Cyclohexane	ND		54	12	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Dichlorodifluoromethane	ND		54	24	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Ethylbenzene	ND		54	16	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
1,2-Dibromoethane	ND		54	9.5	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Isopropylbenzene	ND		54	8.1	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Methyl acetate	97 J		270	26	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Methyl tert-butyl ether	ND		54	21	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Methylcyclohexane	ND		54	25	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Methylene Chloride	ND		54	11	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Styrene	ND		54	13	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Tetrachloroethene	ND		54	7.3	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Toluene	ND		54	15	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Client Sample ID: SB-R20

Date Collected: 02/27/20 16:00

Date Received: 02/28/20 14:15

Lab Sample ID: 480-166855-3

Matrix: Solid

Percent Solids: 80.2

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		54	13	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
trans-1,3-Dichloropropene	ND		54	5.3	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Trichloroethene	2700		54	15	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Trichlorofluoromethane	ND		54	25	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Vinyl chloride	ND		54	18	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1
Xylenes, Total	ND		110	30	ug/Kg	☼	03/03/20 23:22	03/04/20 14:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		50 - 149	03/03/20 23:22	03/04/20 14:11	1
1,2-Dichloroethane-d4 (Surr)	91		53 - 146	03/03/20 23:22	03/04/20 14:11	1
4-Bromofluorobenzene (Surr)	97		49 - 148	03/03/20 23:22	03/04/20 14:11	1
Dibromofluoromethane (Surr)	88		60 - 140	03/03/20 23:22	03/04/20 14:11	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Client Sample ID: SSB-5

Lab Sample ID: 480-166855-4

Date Collected: 02/28/20 08:15

Matrix: Solid

Date Received: 02/28/20 14:15

Percent Solids: 85.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.1	0.30	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
1,1,2,2-Tetrachloroethane	ND		4.1	0.67	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
1,1,2-Trichloroethane	ND		4.1	0.54	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.1	0.94	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
1,1-Dichloroethane	ND		4.1	0.50	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
1,1-Dichloroethene	ND		4.1	0.51	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
1,2,4-Trichlorobenzene	ND		4.1	0.25	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
1,2-Dibromo-3-Chloropropane	ND		4.1	2.1	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
1,2-Dichlorobenzene	ND		4.1	0.32	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
1,2-Dichloroethane	ND		4.1	0.21	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
1,2-Dichloropropane	ND		4.1	2.1	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
1,3-Dichlorobenzene	ND		4.1	0.21	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
1,4-Dichlorobenzene	ND		4.1	0.58	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
2-Butanone (MEK)	ND	*	21	1.5	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
2-Hexanone	ND		21	2.1	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
4-Methyl-2-pentanone (MIBK)	ND		21	1.4	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Acetone	11	J	21	3.5	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Benzene	1.6	J	4.1	0.20	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Bromodichloromethane	ND		4.1	0.55	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Bromoform	ND		4.1	2.1	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Bromomethane	ND		4.1	0.37	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Carbon disulfide	ND		4.1	2.1	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Carbon tetrachloride	ND		4.1	0.40	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Chlorobenzene	ND		4.1	0.55	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Dibromochloromethane	ND		4.1	0.53	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Chloroethane	ND	*	4.1	0.93	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Chloroform	ND		4.1	0.26	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Chloromethane	ND		4.1	0.25	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
1,4-Dioxane	ND		83	18	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
cis-1,2-Dichloroethene	23		4.1	0.53	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
cis-1,3-Dichloropropene	ND		4.1	0.59	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Cyclohexane	2.2	J	4.1	0.58	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Dichlorodifluoromethane	ND		4.1	0.34	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Ethylbenzene	0.29	J	4.1	0.28	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
1,2-Dibromoethane	ND		4.1	0.53	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Isopropylbenzene	ND		4.1	0.62	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Methyl acetate	ND		21	2.5	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Methyl tert-butyl ether	ND		4.1	0.41	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Methylcyclohexane	3.0	J	4.1	0.63	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Methylene Chloride	ND		4.1	1.9	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Styrene	ND		4.1	0.21	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Tetrachloroethene	1.5	J	4.1	0.55	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Toluene	2.3	J	4.1	0.31	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
trans-1,2-Dichloroethene	ND		4.1	0.43	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
trans-1,3-Dichloropropene	ND		4.1	1.8	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Trichloroethene	2600	E	4.1	0.91	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Trichlorofluoromethane	ND		4.1	0.39	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Vinyl chloride	ND		4.1	0.50	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1
Xylenes, Total	1.0	J	8.3	0.69	ug/Kg	☼	02/28/20 15:30	03/02/20 04:44	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Client Sample ID: SSB-5

Date Collected: 02/28/20 08:15

Date Received: 02/28/20 14:15

Lab Sample ID: 480-166855-4

Matrix: Solid

Percent Solids: 85.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		71 - 125	02/28/20 15:30	03/02/20 04:44	1
1,2-Dichloroethane-d4 (Surr)	106		64 - 126	02/28/20 15:30	03/02/20 04:44	1
4-Bromofluorobenzene (Surr)	100		72 - 126	02/28/20 15:30	03/02/20 04:44	1
Dibromofluoromethane (Surr)	100		60 - 140	02/28/20 15:30	03/02/20 04:44	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		390	110	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
1,1,2,2-Tetrachloroethane	ND		390	63	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
1,1,2-Trichloroethane	ND		390	82	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		390	200	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
1,1-Dichloroethane	ND		390	120	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
1,1-Dichloroethene	ND		390	140	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
1,2,4-Trichlorobenzene	ND		390	150	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
1,2-Dibromo-3-Chloropropane	ND		390	200	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
1,2-Dichlorobenzene	ND		390	100	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
1,2-Dichloroethane	ND		390	160	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
1,2-Dichloropropane	ND		390	63	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
1,3-Dichlorobenzene	ND		390	100	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
1,4-Dichlorobenzene	ND		390	55	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
2-Butanone (MEK)	ND		2000	1200	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
2-Hexanone	ND		2000	800	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
4-Methyl-2-pentanone (MIBK)	ND		2000	130	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Acetone	ND		2000	1600	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Benzene	ND		390	74	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Bromodichloromethane	ND		390	78	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Bromoform	ND		390	200	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Bromomethane	ND		390	86	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Carbon disulfide	ND		390	180	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Carbon tetrachloride	ND		390	100	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Chlorobenzene	ND		390	52	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Dibromochloromethane	ND		390	190	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Chloroethane	ND		390	81	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Chloroform	ND		390	270	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Chloromethane	ND		390	93	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
1,4-Dioxane	ND		7400	2000	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
cis-1,2-Dichloroethene	ND		390	110	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
cis-1,3-Dichloropropene	ND		390	93	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Cyclohexane	ND		390	87	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Dichlorodifluoromethane	ND		390	170	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Ethylbenzene	ND		390	110	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
1,2-Dibromoethane	ND		390	68	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Isopropylbenzene	ND		390	59	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Methyl acetate	ND		2000	190	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Methyl tert-butyl ether	ND		390	150	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Methylcyclohexane	ND		390	180	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Methylene Chloride	ND		390	77	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Styrene	ND		390	94	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Tetrachloroethene	ND		390	53	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Toluene	ND		390	100	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Client Sample ID: SSB-5

Date Collected: 02/28/20 08:15

Date Received: 02/28/20 14:15

Lab Sample ID: 480-166855-4

Matrix: Solid

Percent Solids: 85.3

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		390	92	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
trans-1,3-Dichloropropene	ND		390	38	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Trichloroethene	24000		390	110	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Trichlorofluoromethane	ND		390	180	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Vinyl chloride	ND		390	130	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8
Xylenes, Total	ND		780	220	ug/Kg	☼	03/03/20 23:22	03/04/20 14:35	8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		50 - 149	03/03/20 23:22	03/04/20 14:35	8
1,2-Dichloroethane-d4 (Surr)	90		53 - 146	03/03/20 23:22	03/04/20 14:35	8
4-Bromofluorobenzene (Surr)	100		49 - 148	03/03/20 23:22	03/04/20 14:35	8
Dibromofluoromethane (Surr)	88		60 - 140	03/03/20 23:22	03/04/20 14:35	8

Method: 310.13 - Identification of Routine Petroleum Products

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		7.6	7.6	mg/Kg	☼	03/03/20 07:14	03/03/20 12:08	1
Kerosene	ND		19	19	mg/Kg	☼	03/03/20 07:14	03/03/20 12:08	1
Motor Oil	ND		38	38	mg/Kg	☼	03/03/20 07:14	03/03/20 12:08	1
Fuel Oil #2	1.3		1.1	1.1	mg/Kg	☼	03/03/20 07:14	03/03/20 12:08	1
Fuel Oil #4	ND		19	19	mg/Kg	☼	03/03/20 07:14	03/03/20 12:08	1
Fuel Oil #6	ND		19	19	mg/Kg	☼	03/03/20 07:14	03/03/20 12:08	1
Unknown Hydrocarbons	ND		19	19	mg/Kg	☼	03/03/20 07:14	03/03/20 12:08	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.22	0.044	mg/Kg	☼	02/28/20 15:25	03/01/20 20:46	1
PCB-1221	ND		0.22	0.044	mg/Kg	☼	02/28/20 15:25	03/01/20 20:46	1
PCB-1232	ND		0.22	0.044	mg/Kg	☼	02/28/20 15:25	03/01/20 20:46	1
PCB-1242	ND		0.22	0.044	mg/Kg	☼	02/28/20 15:25	03/01/20 20:46	1
PCB-1248	ND		0.22	0.044	mg/Kg	☼	02/28/20 15:25	03/01/20 20:46	1
PCB-1254	ND		0.22	0.10	mg/Kg	☼	02/28/20 15:25	03/01/20 20:46	1
PCB-1260	ND		0.22	0.10	mg/Kg	☼	02/28/20 15:25	03/01/20 20:46	1
PCB-1262	ND		0.22	0.10	mg/Kg	☼	02/28/20 15:25	03/01/20 20:46	1
PCB-1268	ND		0.22	0.10	mg/Kg	☼	02/28/20 15:25	03/01/20 20:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	114		60 - 154	02/28/20 15:25	03/01/20 20:46	1
DCB Decachlorobiphenyl	131		65 - 174	02/28/20 15:25	03/01/20 20:46	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Client Sample ID: SB-R24

Lab Sample ID: 480-166855-5

Date Collected: 02/28/20 08:50

Matrix: Solid

Date Received: 02/28/20 14:15

Percent Solids: 79.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1100	310	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
1,1,2,2-Tetrachloroethane	ND		1100	180	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
1,1,2-Trichloroethane	ND		1100	230	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100	560	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
1,1-Dichloroethane	ND		1100	350	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
1,1-Dichloroethene	ND		1100	390	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
1,2,4-Trichlorobenzene	ND		1100	420	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
1,2-Dibromo-3-Chloropropane	ND		1100	560	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
1,2-Dichlorobenzene	ND		1100	290	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
1,2-Dichloroethane	ND		1100	460	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
1,2-Dichloropropane	ND		1100	180	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
1,3-Dichlorobenzene	ND		1100	300	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
1,4-Dichlorobenzene	ND		1100	160	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
2-Butanone (MEK)	ND		5600	3300	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
2-Hexanone	ND		5600	2300	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
4-Methyl-2-pentanone (MIBK)	ND		5600	360	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Acetone	ND		5600	4600	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Benzene	ND		1100	210	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Bromodichloromethane	ND		1100	220	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Bromoform	ND		1100	560	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Bromomethane	ND		1100	250	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Carbon disulfide	ND		1100	510	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Carbon tetrachloride	ND		1100	290	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Chlorobenzene	ND		1100	150	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Dibromochloromethane	ND		1100	540	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Chloroethane	ND		1100	230	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Chloroform	ND		1100	770	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Chloromethane	ND		1100	270	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
1,4-Dioxane	ND		21000	5700	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
cis-1,2-Dichloroethene	ND		1100	310	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
cis-1,3-Dichloropropene	ND		1100	270	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Cyclohexane	ND		1100	250	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Dichlorodifluoromethane	ND		1100	490	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Ethylbenzene	ND		1100	330	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
1,2-Dibromoethane	ND		1100	200	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Isopropylbenzene	ND		1100	170	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Methyl acetate	ND		5600	530	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Methyl tert-butyl ether	ND		1100	420	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Methylcyclohexane	ND		1100	520	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Methylene Chloride	ND		1100	220	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Styrene	ND		1100	270	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Tetrachloroethene	ND		1100	150	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Toluene	ND		1100	300	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
trans-1,2-Dichloroethene	ND		1100	260	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
trans-1,3-Dichloropropene	ND		1100	110	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Trichloroethene	36000		1100	310	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Trichlorofluoromethane	ND		1100	520	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Vinyl chloride	ND		1100	370	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20
Xylenes, Total	ND		2200	620	ug/Kg	☼	03/03/20 23:22	03/04/20 15:00	20

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Client Sample ID: SB-R24

Date Collected: 02/28/20 08:50

Date Received: 02/28/20 14:15

Lab Sample ID: 480-166855-5

Matrix: Solid

Percent Solids: 79.8

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	101		50 - 149	03/03/20 23:22	03/04/20 15:00	20
<i>1,2-Dichloroethane-d4 (Surr)</i>	93		53 - 146	03/03/20 23:22	03/04/20 15:00	20
<i>4-Bromofluorobenzene (Surr)</i>	101		49 - 148	03/03/20 23:22	03/04/20 15:00	20
<i>Dibromofluoromethane (Surr)</i>	90		60 - 140	03/03/20 23:22	03/04/20 15:00	20

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Client Sample ID: SB-R32

Lab Sample ID: 480-166855-6

Date Collected: 02/28/20 09:10

Matrix: Solid

Date Received: 02/28/20 14:15

Percent Solids: 88.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		39	11	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
1,1,2,2-Tetrachloroethane	ND		39	6.4	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
1,1,2-Trichloroethane	ND		39	8.3	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39	20	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
1,1-Dichloroethane	ND		39	12	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
1,1-Dichloroethene	ND		39	14	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
1,2,4-Trichlorobenzene	ND		39	15	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
1,2-Dibromo-3-Chloropropane	ND		39	20	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
1,2-Dichlorobenzene	ND		39	10	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
1,2-Dichloroethane	ND		39	16	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
1,2-Dichloropropane	ND		39	6.4	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
1,3-Dichlorobenzene	ND		39	11	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
1,4-Dichlorobenzene	ND		39	5.5	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
2-Butanone (MEK)	ND		200	120	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
2-Hexanone	ND		200	81	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
4-Methyl-2-pentanone (MIBK)	ND		200	13	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Acetone	ND		200	160	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Benzene	ND		39	7.5	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Bromodichloromethane	ND		39	7.9	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Bromoform	ND		39	20	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Bromomethane	ND		39	8.7	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Carbon disulfide	ND		39	18	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Carbon tetrachloride	ND		39	10	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Chlorobenzene	ND		39	5.2	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Dibromochloromethane	ND		39	19	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Chloroethane	ND		39	8.2	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Chloroform	ND		39	27	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Chloromethane	ND		39	9.4	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
1,4-Dioxane	ND		750	200	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
cis-1,2-Dichloroethene	ND		39	11	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
cis-1,3-Dichloropropene	ND		39	9.4	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Cyclohexane	ND		39	8.8	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Dichlorodifluoromethane	ND		39	17	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Ethylbenzene	ND		39	11	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
1,2-Dibromoethane	ND		39	6.9	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Isopropylbenzene	ND		39	5.9	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Methyl acetate	160	J	200	19	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Methyl tert-butyl ether	ND		39	15	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Methylcyclohexane	ND		39	18	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Methylene Chloride	ND		39	7.8	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Styrene	ND		39	9.5	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Tetrachloroethene	ND		39	5.3	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Toluene	ND		39	11	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
trans-1,2-Dichloroethene	ND		39	9.3	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
trans-1,3-Dichloropropene	ND		39	3.9	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Trichloroethene	75		39	11	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Trichlorofluoromethane	ND		39	18	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Vinyl chloride	ND		39	13	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1
Xylenes, Total	ND		79	22	ug/Kg	☼	03/03/20 23:22	03/04/20 15:24	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Client Sample ID: SB-R32

Date Collected: 02/28/20 09:10

Date Received: 02/28/20 14:15

Lab Sample ID: 480-166855-6

Matrix: Solid

Percent Solids: 88.2

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	103		50 - 149	03/03/20 23:22	03/04/20 15:24	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	94		53 - 146	03/03/20 23:22	03/04/20 15:24	1
<i>4-Bromofluorobenzene (Surr)</i>	99		49 - 148	03/03/20 23:22	03/04/20 15:24	1
<i>Dibromofluoromethane (Surr)</i>	89		60 - 140	03/03/20 23:22	03/04/20 15:24	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Client Sample ID: SB-R28

Lab Sample ID: 480-166855-7

Date Collected: 02/28/20 10:00

Matrix: Solid

Date Received: 02/28/20 14:15

Percent Solids: 81.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.6	0.34	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.75	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
1,1,2-Trichloroethane	ND		4.6	0.60	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	1.1	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
1,1-Dichloroethane	ND		4.6	0.56	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
1,1-Dichloroethene	ND		4.6	0.57	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
1,2,4-Trichlorobenzene	ND		4.6	0.28	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
1,2-Dibromo-3-Chloropropane	ND		4.6	2.3	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
1,2-Dichlorobenzene	ND		4.6	0.36	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
1,2-Dichloroethane	ND		4.6	0.23	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
1,2-Dichloropropane	ND		4.6	2.3	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
1,3-Dichlorobenzene	ND		4.6	0.24	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
1,4-Dichlorobenzene	ND		4.6	0.65	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
2-Butanone (MEK)	1.9	J *	23	1.7	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
2-Hexanone	ND		23	2.3	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
4-Methyl-2-pentanone (MIBK)	ND		23	1.5	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Acetone	ND		23	3.9	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Benzene	4.7		4.6	0.23	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Bromodichloromethane	ND		4.6	0.62	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Bromoform	ND		4.6	2.3	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Bromomethane	ND		4.6	0.42	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Carbon disulfide	ND		4.6	2.3	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Carbon tetrachloride	ND		4.6	0.45	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Chlorobenzene	ND		4.6	0.61	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Dibromochloromethane	ND		4.6	0.59	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Chloroethane	ND		4.6	1.0	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Chloroform	ND		4.6	0.29	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Chloromethane	ND		4.6	0.28	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
1,4-Dioxane	ND		92	20	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
cis-1,2-Dichloroethene	ND		4.6	0.59	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
cis-1,3-Dichloropropene	ND		4.6	0.67	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Cyclohexane	9.9		4.6	0.65	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Dichlorodifluoromethane	ND		4.6	0.38	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Ethylbenzene	1.6	J	4.6	0.32	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
1,2-Dibromoethane	ND		4.6	0.59	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Isopropylbenzene	ND		4.6	0.70	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Methyl acetate	ND		23	2.8	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Methyl tert-butyl ether	ND		4.6	0.45	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Methylcyclohexane	14		4.6	0.70	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Methylene Chloride	ND		4.6	2.1	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Styrene	ND		4.6	0.23	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Tetrachloroethene	ND		4.6	0.62	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Toluene	11		4.6	0.35	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
trans-1,2-Dichloroethene	ND		4.6	0.48	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
trans-1,3-Dichloropropene	ND		4.6	2.0	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Trichloroethene	ND		4.6	1.0	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Trichlorofluoromethane	ND		4.6	0.44	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Vinyl chloride	ND		4.6	0.56	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1
Xylenes, Total	10		9.2	0.78	ug/Kg	☼	02/28/20 15:30	03/04/20 15:58	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Client Sample ID: SB-R28

Date Collected: 02/28/20 10:00

Date Received: 02/28/20 14:15

Lab Sample ID: 480-166855-7

Matrix: Solid

Percent Solids: 81.7

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	99		71 - 125	02/28/20 15:30	03/04/20 15:58	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	102		64 - 126	02/28/20 15:30	03/04/20 15:58	1
<i>4-Bromofluorobenzene (Surr)</i>	99		72 - 126	02/28/20 15:30	03/04/20 15:58	1
<i>Dibromofluoromethane (Surr)</i>	93		60 - 140	02/28/20 15:30	03/04/20 15:58	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Client Sample ID: SB-R25

Lab Sample ID: 480-166855-8

Date Collected: 02/28/20 11:10

Matrix: Solid

Date Received: 02/28/20 14:15

Percent Solids: 83.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
2-Butanone (MEK)	4.9	J *	25	1.8	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
2-Hexanone	ND		25	2.5	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Acetone	25		25	4.2	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Benzene	4.8	J	5.0	0.24	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Bromomethane	ND		5.0	0.45	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Carbon disulfide	ND		5.0	2.5	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Chlorobenzene	ND		5.0	0.66	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Chloroethane	ND		5.0	1.1	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Chloroform	ND		5.0	0.31	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Chloromethane	2.3	J	5.0	0.30	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
1,4-Dioxane	ND		100	22	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Cyclohexane	11		5.0	0.70	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Ethylbenzene	1.0	J	5.0	0.34	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Methyl acetate	4.1	J	25	3.0	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Methylcyclohexane	14		5.0	0.76	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Methylene Chloride	ND		5.0	2.3	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Styrene	ND		5.0	0.25	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Toluene	8.6		5.0	0.38	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Trichloroethene	1.4	J	5.0	1.1	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Vinyl chloride	ND		5.0	0.61	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1
Xylenes, Total	4.3	J	10	0.84	ug/Kg	☼	02/28/20 15:30	03/04/20 16:23	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Client Sample ID: SB-R25

Date Collected: 02/28/20 11:10

Date Received: 02/28/20 14:15

Lab Sample ID: 480-166855-8

Matrix: Solid

Percent Solids: 83.3

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	98		71 - 125	02/28/20 15:30	03/04/20 16:23	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	104		64 - 126	02/28/20 15:30	03/04/20 16:23	1
<i>4-Bromofluorobenzene (Surr)</i>	99		72 - 126	02/28/20 15:30	03/04/20 16:23	1
<i>Dibromofluoromethane (Surr)</i>	96		60 - 140	02/28/20 15:30	03/04/20 16:23	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (71-125)	DCA (64-126)	BFB (72-126)	DBFM (60-140)
480-166855-1	SB-R26	98	107	101	99
480-166855-2	SB-R29	99	105	99	96
480-166855-3	SB-R20	100	107	98	101
480-166855-4	SSB-5	97	106	100	100
480-166855-7	SB-R28	99	102	99	93
480-166855-8	SB-R25	98	104	99	96
LCS 480-519563/1-A	Lab Control Sample	100	103	101	98
LCS 480-519994/1-A	Lab Control Sample	97	103	102	98
LCSD 480-519563/2-A	Lab Control Sample Dup	98	101	103	95
MB 480-519563/3-A	Method Blank	97	100	99	101
MB 480-519994/3-A	Method Blank	99	98	100	96

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (50-149)	DCA (53-146)	BFB (49-148)	DBFM (60-140)
480-166855-3 - DL	SB-R20	103	91	97	88
480-166855-4 - DL	SSB-5	101	90	100	88
480-166855-5	SB-R24	101	93	101	90
480-166855-6	SB-R32	103	94	99	89
LCS 480-519920/1-A	Lab Control Sample	101	102	99	101
MB 480-519920/2-A	Method Blank	99	95	98	91

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (60-154)	DCBP1 (65-174)
480-166855-4	SSB-5	114	131
LCS 480-519463/2-A	Lab Control Sample	124	136
MB 480-519463/1-A	Method Blank	112	122

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-519563/3-A

Matrix: Solid

Analysis Batch: 519564

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 519563

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
2-Hexanone	ND		25	2.5	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Acetone	ND		25	4.2	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Benzene	ND		5.0	0.25	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Bromoform	ND		5.0	2.5	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Bromomethane	ND		5.0	0.45	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Chloroethane	ND		5.0	1.1	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Chloroform	ND		5.0	0.31	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Chloromethane	ND		5.0	0.30	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,4-Dioxane	ND		100	22	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Cyclohexane	ND		5.0	0.70	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Methyl acetate	ND		25	3.0	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Styrene	ND		5.0	0.25	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Toluene	ND		5.0	0.38	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Trichloroethene	ND		5.0	1.1	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		03/01/20 22:03	03/02/20 01:13	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-519563/3-A

Matrix: Solid

Analysis Batch: 519564

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 519563

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		10	0.84	ug/Kg		03/01/20 22:03	03/02/20 01:13	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		71 - 125				03/01/20 22:03	03/02/20 01:13	1
1,2-Dichloroethane-d4 (Surr)	100		64 - 126				03/01/20 22:03	03/02/20 01:13	1
4-Bromofluorobenzene (Surr)	99		72 - 126				03/01/20 22:03	03/02/20 01:13	1
Dibromofluoromethane (Surr)	101		60 - 140				03/01/20 22:03	03/02/20 01:13	1

Lab Sample ID: LCS 480-519563/1-A

Matrix: Solid

Analysis Batch: 519564

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 519563

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	47.1		ug/Kg		94	77 - 121
1,1,2,2-Tetrachloroethane	50.0	45.8		ug/Kg		92	80 - 120
1,1,2-Trichloroethane	50.0	49.6		ug/Kg		99	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.9		ug/Kg		100	60 - 140
1,1-Dichloroethane	50.0	52.4		ug/Kg		105	73 - 126
1,1-Dichloroethene	50.0	51.0		ug/Kg		102	59 - 125
1,2,4-Trichlorobenzene	50.0	50.9		ug/Kg		102	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	46.7		ug/Kg		93	63 - 124
1,2-Dichlorobenzene	50.0	48.5		ug/Kg		97	75 - 120
1,2-Dichloroethane	50.0	44.7		ug/Kg		89	77 - 122
1,2-Dichloropropane	50.0	52.5		ug/Kg		105	75 - 124
1,3-Dichlorobenzene	50.0	48.5		ug/Kg		97	74 - 120
1,4-Dichlorobenzene	50.0	47.9		ug/Kg		96	73 - 120
2-Butanone (MEK)	250	448	*	ug/Kg		179	70 - 134
2-Hexanone	250	249		ug/Kg		99	59 - 130
4-Methyl-2-pentanone (MIBK)	250	249		ug/Kg		100	65 - 133
Acetone	250	239		ug/Kg		96	61 - 137
Benzene	50.0	50.0		ug/Kg		100	79 - 127
Bromodichloromethane	50.0	50.5		ug/Kg		101	80 - 122
Bromoform	50.0	52.1		ug/Kg		104	68 - 126
Bromomethane	50.0	35.2		ug/Kg		70	37 - 149
Carbon disulfide	50.0	52.4		ug/Kg		105	64 - 131
Carbon tetrachloride	50.0	48.5		ug/Kg		97	75 - 135
Chlorobenzene	50.0	49.7		ug/Kg		99	76 - 124
Dibromochloromethane	50.0	51.6		ug/Kg		103	76 - 125
Chloroethane	50.0	33.5	*	ug/Kg		67	69 - 135
Chloroform	50.0	48.0		ug/Kg		96	80 - 120
Chloromethane	50.0	40.8		ug/Kg		82	63 - 127
1,4-Dioxane	1000	986		ug/Kg		99	64 - 124
cis-1,2-Dichloroethene	50.0	50.4		ug/Kg		101	81 - 120
cis-1,3-Dichloropropene	50.0	54.2		ug/Kg		108	80 - 120
Cyclohexane	50.0	52.9		ug/Kg		106	65 - 120
Dichlorodifluoromethane	50.0	44.7		ug/Kg		89	57 - 142
Ethylbenzene	50.0	49.6		ug/Kg		99	80 - 120
1,2-Dibromoethane	50.0	48.9		ug/Kg		98	78 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-519563/1-A

Matrix: Solid

Analysis Batch: 519564

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 519563

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	50.0	49.5		ug/Kg		99	72 - 120
Methyl acetate	100	103		ug/Kg		103	55 - 136
Methyl tert-butyl ether	50.0	48.8		ug/Kg		98	63 - 125
Methylcyclohexane	50.0	52.4		ug/Kg		105	60 - 140
Methylene Chloride	50.0	49.0		ug/Kg		98	61 - 127
Styrene	50.0	52.2		ug/Kg		104	80 - 120
Tetrachloroethene	50.0	51.6		ug/Kg		103	74 - 122
Toluene	50.0	49.3		ug/Kg		99	74 - 128
trans-1,2-Dichloroethene	50.0	50.8		ug/Kg		102	78 - 126
trans-1,3-Dichloropropene	50.0	52.1		ug/Kg		104	73 - 123
Trichloroethene	50.0	49.8		ug/Kg		100	77 - 129
Trichlorofluoromethane	50.0	44.9		ug/Kg		90	65 - 146
Vinyl chloride	50.0	39.4		ug/Kg		79	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		71 - 125
1,2-Dichloroethane-d4 (Surr)	103		64 - 126
4-Bromofluorobenzene (Surr)	101		72 - 126
Dibromofluoromethane (Surr)	98		60 - 140

Lab Sample ID: LCSD 480-519563/2-A

Matrix: Solid

Analysis Batch: 519564

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 519563

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	50.0	44.6		ug/Kg		89	77 - 121	5	20
1,1,2,2-Tetrachloroethane	50.0	49.7		ug/Kg		99	80 - 120	8	20
1,1,2-Trichloroethane	50.0	49.0		ug/Kg		98	78 - 122	1	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	46.2		ug/Kg		92	60 - 140	8	20
1,1-Dichloroethane	50.0	50.2		ug/Kg		100	73 - 126	4	20
1,1-Dichloroethene	50.0	46.6		ug/Kg		93	59 - 125	9	20
1,2,4-Trichlorobenzene	50.0	48.6		ug/Kg		97	64 - 120	4	20
1,2-Dibromo-3-Chloropropane	50.0	48.2		ug/Kg		96	63 - 124	3	20
1,2-Dichlorobenzene	50.0	47.6		ug/Kg		95	75 - 120	2	20
1,2-Dichloroethane	50.0	44.2		ug/Kg		88	77 - 122	1	20
1,2-Dichloropropane	50.0	51.8		ug/Kg		104	75 - 124	1	20
1,3-Dichlorobenzene	50.0	47.5		ug/Kg		95	74 - 120	2	20
1,4-Dichlorobenzene	50.0	47.0		ug/Kg		94	73 - 120	2	20
2-Butanone (MEK)	250	467	*	ug/Kg		187	70 - 134	4	20
2-Hexanone	250	259		ug/Kg		103	59 - 130	4	20
4-Methyl-2-pentanone (MIBK)	250	253		ug/Kg		101	65 - 133	1	20
Acetone	250	238		ug/Kg		95	61 - 137	0	20
Benzene	50.0	48.5		ug/Kg		97	79 - 127	3	20
Bromodichloromethane	50.0	50.0		ug/Kg		100	80 - 122	1	20
Bromoform	50.0	53.4		ug/Kg		107	68 - 126	2	20
Bromomethane	50.0	31.7		ug/Kg		63	37 - 149	10	20
Carbon disulfide	50.0	57.0		ug/Kg		114	64 - 131	8	20
Carbon tetrachloride	50.0	46.1		ug/Kg		92	75 - 135	5	20

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 480-519563/2-A

Matrix: Solid

Analysis Batch: 519564

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 519563

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	50.0	47.9		ug/Kg		96	76 - 124	4	20
Dibromochloromethane	50.0	51.3		ug/Kg		103	76 - 125	1	20
Chloroethane	50.0	29.8	*	ug/Kg		60	69 - 135	12	20
Chloroform	50.0	45.9		ug/Kg		92	80 - 120	5	20
Chloromethane	50.0	35.4		ug/Kg		71	63 - 127	14	20
1,4-Dioxane	1000	1040		ug/Kg		104	64 - 124	6	20
cis-1,2-Dichloroethene	50.0	48.3		ug/Kg		97	81 - 120	4	20
cis-1,3-Dichloropropene	50.0	54.8		ug/Kg		110	80 - 120	1	20
Cyclohexane	50.0	49.4		ug/Kg		99	65 - 120	7	20
Dichlorodifluoromethane	50.0	40.1		ug/Kg		80	57 - 142	11	20
Ethylbenzene	50.0	48.1		ug/Kg		96	80 - 120	3	20
1,2-Dibromoethane	50.0	49.6		ug/Kg		99	78 - 120	1	20
Isopropylbenzene	50.0	47.3		ug/Kg		95	72 - 120	4	20
Methyl acetate	100	104		ug/Kg		104	55 - 136	1	20
Methyl tert-butyl ether	50.0	48.6		ug/Kg		97	63 - 125	1	20
Methylcyclohexane	50.0	49.6		ug/Kg		99	60 - 140	5	20
Methylene Chloride	50.0	45.8		ug/Kg		92	61 - 127	7	20
Styrene	50.0	51.3		ug/Kg		103	80 - 120	2	20
Tetrachloroethene	50.0	49.9		ug/Kg		100	74 - 122	3	20
Toluene	50.0	47.3		ug/Kg		95	74 - 128	4	20
trans-1,2-Dichloroethene	50.0	47.7		ug/Kg		95	78 - 126	6	20
trans-1,3-Dichloropropene	50.0	51.5		ug/Kg		103	73 - 123	1	20
Trichloroethene	50.0	48.3		ug/Kg		97	77 - 129	3	20
Trichlorofluoromethane	50.0	40.3		ug/Kg		81	65 - 146	11	20
Vinyl chloride	50.0	35.5		ug/Kg		71	61 - 133	11	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	98		71 - 125
1,2-Dichloroethane-d4 (Surr)	101		64 - 126
4-Bromofluorobenzene (Surr)	103		72 - 126
Dibromofluoromethane (Surr)	95		60 - 140

Lab Sample ID: MB 480-519920/2-A

Matrix: Solid

Analysis Batch: 519933

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 519920

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	28	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,1,2,2-Tetrachloroethane	ND		100	16	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,1,2-Trichloroethane	ND		100	21	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,1-Dichloroethane	ND		100	31	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,1-Dichloroethene	ND		100	35	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,2,4-Trichlorobenzene	ND		100	38	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,2-Dichlorobenzene	ND		100	26	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,2-Dichloroethane	ND		100	41	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,2-Dichloropropane	ND		100	16	ug/Kg		03/03/20 23:22	03/04/20 10:51	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-519920/2-A

Matrix: Solid

Analysis Batch: 519933

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 519920

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		100	27	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,4-Dichlorobenzene	ND		100	14	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
2-Butanone (MEK)	ND		500	300	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
2-Hexanone	ND		500	210	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Acetone	ND		500	410	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Benzene	ND		100	19	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Bromodichloromethane	ND		100	20	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Bromoform	ND		100	50	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Bromomethane	ND		100	22	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Carbon disulfide	ND		100	46	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Carbon tetrachloride	ND		100	26	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Chlorobenzene	ND		100	13	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Dibromochloromethane	ND		100	48	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Chloroethane	ND		100	21	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Chloroform	ND		100	69	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Chloromethane	ND		100	24	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,4-Dioxane	ND		1900	510	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
cis-1,2-Dichloroethene	ND		100	28	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
cis-1,3-Dichloropropene	ND		100	24	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Cyclohexane	ND		100	22	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Dichlorodifluoromethane	ND		100	44	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Ethylbenzene	ND		100	29	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
1,2-Dibromoethane	ND		100	18	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Isopropylbenzene	ND		100	15	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Methyl acetate	ND		500	48	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Methyl tert-butyl ether	ND		100	38	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Methylcyclohexane	ND		100	47	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Methylene Chloride	ND		100	20	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Styrene	ND		100	24	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Tetrachloroethene	ND		100	13	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Toluene	ND		100	27	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
trans-1,2-Dichloroethene	ND		100	24	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
trans-1,3-Dichloropropene	ND		100	9.8	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Trichloroethene	ND		100	28	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Trichlorofluoromethane	ND		100	47	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Vinyl chloride	ND		100	34	ug/Kg		03/03/20 23:22	03/04/20 10:51	1
Xylenes, Total	ND		200	55	ug/Kg		03/03/20 23:22	03/04/20 10:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		50 - 149	03/03/20 23:22	03/04/20 10:51	1
1,2-Dichloroethane-d4 (Surr)	95		53 - 146	03/03/20 23:22	03/04/20 10:51	1
4-Bromofluorobenzene (Surr)	98		49 - 148	03/03/20 23:22	03/04/20 10:51	1
Dibromofluoromethane (Surr)	91		60 - 140	03/03/20 23:22	03/04/20 10:51	1

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QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-519920/1-A

Matrix: Solid

Analysis Batch: 519933

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 519920

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2240		ug/Kg		90	68 - 130
1,1,2,2-Tetrachloroethane	2500	2280		ug/Kg		91	73 - 120
1,1,2-Trichloroethane	2500	2400		ug/Kg		96	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2220		ug/Kg		89	10 - 179
1,1-Dichloroethane	2500	2420		ug/Kg		97	78 - 121
1,1-Dichloroethene	2500	2230		ug/Kg		89	48 - 133
1,2,4-Trichlorobenzene	2500	2420		ug/Kg		97	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2210		ug/Kg		88	56 - 122
1,2-Dichlorobenzene	2500	2330		ug/Kg		93	78 - 125
1,2-Dichloroethane	2500	2350		ug/Kg		94	74 - 127
1,2-Dichloropropane	2500	2610		ug/Kg		105	80 - 120
1,3-Dichlorobenzene	2500	2330		ug/Kg		93	80 - 120
1,4-Dichlorobenzene	2500	2350		ug/Kg		94	80 - 120
2-Butanone (MEK)	12500	12400		ug/Kg		99	54 - 149
2-Hexanone	12500	12500		ug/Kg		100	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	12200		ug/Kg		98	74 - 120
Acetone	12500	11600		ug/Kg		93	47 - 141
Benzene	2500	2420		ug/Kg		97	77 - 125
Bromodichloromethane	2500	2490		ug/Kg		100	71 - 121
Bromoform	2500	2520		ug/Kg		101	48 - 125
Bromomethane	2500	1980		ug/Kg		79	39 - 149
Carbon disulfide	2500	2340		ug/Kg		94	40 - 136
Carbon tetrachloride	2500	2410		ug/Kg		97	54 - 135
Chlorobenzene	2500	2440		ug/Kg		98	76 - 126
Dibromochloromethane	2500	2410		ug/Kg		96	64 - 120
Chloroethane	2500	1760		ug/Kg		70	23 - 150
Chloroform	2500	2290		ug/Kg		92	78 - 120
Chloromethane	2500	2250		ug/Kg		90	61 - 124
1,4-Dioxane	50000	63500		ug/Kg		127	40 - 150
cis-1,2-Dichloroethene	2500	2330		ug/Kg		93	79 - 124
cis-1,3-Dichloropropene	2500	2560		ug/Kg		102	75 - 121
Cyclohexane	2500	2470		ug/Kg		99	49 - 129
Dichlorodifluoromethane	2500	2060		ug/Kg		82	10 - 150
Ethylbenzene	2500	2430		ug/Kg		97	78 - 124
1,2-Dibromoethane	2500	2420		ug/Kg		97	80 - 120
Isopropylbenzene	2500	2330		ug/Kg		93	76 - 120
Methyl acetate	5000	5000		ug/Kg		100	71 - 123
Methyl tert-butyl ether	2500	2210		ug/Kg		88	67 - 137
Methylcyclohexane	2500	2490		ug/Kg		100	50 - 130
Methylene Chloride	2500	2510		ug/Kg		100	75 - 118
Styrene	2500	2530		ug/Kg		101	80 - 120
Tetrachloroethene	2500	2530		ug/Kg		101	73 - 133
Toluene	2500	2450		ug/Kg		98	75 - 124
trans-1,2-Dichloroethene	2500	2420		ug/Kg		97	74 - 129
trans-1,3-Dichloropropene	2500	2580		ug/Kg		103	73 - 120
Trichloroethene	2500	2350		ug/Kg		94	75 - 131
Trichlorofluoromethane	2500	1960		ug/Kg		78	29 - 158
Vinyl chloride	2500	2310		ug/Kg		92	59 - 124

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	101		50 - 149
1,2-Dichloroethane-d4 (Surr)	102		53 - 146
4-Bromofluorobenzene (Surr)	99		49 - 148
Dibromofluoromethane (Surr)	101		60 - 140

Lab Sample ID: MB 480-519994/3-A
Matrix: Solid
Analysis Batch: 519939

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 519994

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
2-Hexanone	ND		25	2.5	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Acetone	ND		25	4.2	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Benzene	ND		5.0	0.25	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Bromoform	ND		5.0	2.5	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Bromomethane	ND		5.0	0.45	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Chloroethane	ND		5.0	1.1	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Chloroform	ND		5.0	0.31	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Chloromethane	ND		5.0	0.30	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
1,4-Dioxane	ND		100	22	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Cyclohexane	ND		5.0	0.70	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Methyl acetate	ND		25	3.0	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Styrene	ND		5.0	0.25	ug/Kg		03/04/20 10:58	03/04/20 12:41	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-519994/3-A

Matrix: Solid

Analysis Batch: 519939

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 519994

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		5.0	0.67	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Toluene	ND		5.0	0.38	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Trichloroethene	ND		5.0	1.1	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		03/04/20 10:58	03/04/20 12:41	1
Xylenes, Total	ND		10	0.84	ug/Kg		03/04/20 10:58	03/04/20 12:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		71 - 125	03/04/20 10:58	03/04/20 12:41	1
1,2-Dichloroethane-d4 (Surr)	98		64 - 126	03/04/20 10:58	03/04/20 12:41	1
4-Bromofluorobenzene (Surr)	100		72 - 126	03/04/20 10:58	03/04/20 12:41	1
Dibromofluoromethane (Surr)	96		60 - 140	03/04/20 10:58	03/04/20 12:41	1

Lab Sample ID: LCS 480-519994/1-A

Matrix: Solid

Analysis Batch: 519939

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 519994

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1,1-Trichloroethane	50.0	46.8		ug/Kg		94	77 - 121
1,1,2,2-Tetrachloroethane	50.0	50.8		ug/Kg		102	80 - 120
1,1,2-Trichloroethane	50.0	49.4		ug/Kg		99	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	48.2		ug/Kg		96	60 - 140
1,1-Dichloroethane	50.0	52.1		ug/Kg		104	73 - 126
1,1-Dichloroethene	50.0	50.1		ug/Kg		100	59 - 125
1,2,4-Trichlorobenzene	50.0	51.8		ug/Kg		104	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	52.3		ug/Kg		105	63 - 124
1,2-Dichlorobenzene	50.0	48.2		ug/Kg		96	75 - 120
1,2-Dichloroethane	50.0	44.9		ug/Kg		90	77 - 122
1,2-Dichloropropane	50.0	52.8		ug/Kg		106	75 - 124
1,3-Dichlorobenzene	50.0	47.9		ug/Kg		96	74 - 120
1,4-Dichlorobenzene	50.0	47.2		ug/Kg		94	73 - 120
2-Butanone (MEK)	250	494	*	ug/Kg		198	70 - 134
2-Hexanone	250	275		ug/Kg		110	59 - 130
4-Methyl-2-pentanone (MIBK)	250	270		ug/Kg		108	65 - 133
Acetone	250	264		ug/Kg		106	61 - 137
Benzene	50.0	50.0		ug/Kg		100	79 - 127
Bromodichloromethane	50.0	50.9		ug/Kg		102	80 - 122
Bromoform	50.0	53.6		ug/Kg		107	68 - 126
Bromomethane	50.0	38.1		ug/Kg		76	37 - 149
Carbon disulfide	50.0	50.8		ug/Kg		102	64 - 131
Carbon tetrachloride	50.0	47.1		ug/Kg		94	75 - 135
Chlorobenzene	50.0	48.4		ug/Kg		97	76 - 124
Dibromochloromethane	50.0	50.9		ug/Kg		102	76 - 125
Chloroethane	50.0	37.3		ug/Kg		75	69 - 135
Chloroform	50.0	47.9		ug/Kg		96	80 - 120
Chloromethane	50.0	42.6		ug/Kg		85	63 - 127

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-519994/1-A

Matrix: Solid

Analysis Batch: 519939

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 519994

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	1000	1090		ug/Kg		109	64 - 124
cis-1,2-Dichloroethene	50.0	50.2		ug/Kg		100	81 - 120
cis-1,3-Dichloropropene	50.0	54.3		ug/Kg		109	80 - 120
Cyclohexane	50.0	51.8		ug/Kg		104	65 - 120
Dichlorodifluoromethane	50.0	44.8		ug/Kg		90	57 - 142
Ethylbenzene	50.0	48.6		ug/Kg		97	80 - 120
1,2-Dibromoethane	50.0	50.4		ug/Kg		101	78 - 120
Isopropylbenzene	50.0	48.6		ug/Kg		97	72 - 120
Methyl acetate	100	112		ug/Kg		112	55 - 136
Methyl tert-butyl ether	50.0	49.0		ug/Kg		98	63 - 125
Methylcyclohexane	50.0	50.4		ug/Kg		101	60 - 140
Methylene Chloride	50.0	48.3		ug/Kg		97	61 - 127
Styrene	50.0	51.4		ug/Kg		103	80 - 120
Tetrachloroethene	50.0	50.2		ug/Kg		100	74 - 122
Toluene	50.0	48.0		ug/Kg		96	74 - 128
trans-1,2-Dichloroethene	50.0	50.6		ug/Kg		101	78 - 126
trans-1,3-Dichloropropene	50.0	51.7		ug/Kg		103	73 - 123
Trichloroethene	50.0	50.2		ug/Kg		100	77 - 129
Trichlorofluoromethane	50.0	47.2		ug/Kg		94	65 - 146
Vinyl chloride	50.0	42.2		ug/Kg		84	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	97		71 - 125
1,2-Dichloroethane-d4 (Surr)	103		64 - 126
4-Bromofluorobenzene (Surr)	102		72 - 126
Dibromofluoromethane (Surr)	98		60 - 140

Method: 310.13 - Identification of Routine Petroleum Products

Lab Sample ID: MB 480-519748/1-A

Matrix: Solid

Analysis Batch: 519781

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 519748

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		6.5	6.5	mg/Kg		03/03/20 07:14	03/03/20 15:07	1
Kerosene	ND		16	16	mg/Kg		03/03/20 07:14	03/03/20 15:07	1
Motor Oil	ND		33	33	mg/Kg		03/03/20 07:14	03/03/20 15:07	1
Fuel Oil #2	ND		16	16	mg/Kg		03/03/20 07:14	03/03/20 15:07	1
Fuel Oil #4	ND		16	16	mg/Kg		03/03/20 07:14	03/03/20 15:07	1
Fuel Oil #6	ND		16	16	mg/Kg		03/03/20 07:14	03/03/20 15:07	1
Unknown Hydrocarbons	ND		16	16	mg/Kg		03/03/20 07:14	03/03/20 15:07	1

Lab Sample ID: LCS 480-519748/2-A

Matrix: Solid

Analysis Batch: 519781

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 519748

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fuel Oil #2	49.0	46.8		mg/Kg		96	50 - 150

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Method: 310.13 - Identification of Routine Petroleum Products (Continued)

Lab Sample ID: 480-166855-4 MS

Matrix: Solid

Analysis Batch: 519781

Client Sample ID: SSB-5

Prep Type: Total/NA

Prep Batch: 519748

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fuel Oil #2	1.3		56.8	55.1		mg/Kg	☼	97	50 - 150

Lab Sample ID: 480-166855-4 MSD

Matrix: Solid

Analysis Batch: 519781

Client Sample ID: SSB-5

Prep Type: Total/NA

Prep Batch: 519748

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Fuel Oil #2	1.3		58.0	58.9		mg/Kg	☼	102	50 - 150	7	50

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-519463/1-A

Matrix: Solid

Analysis Batch: 519550

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 519463

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.038	mg/Kg		02/28/20 14:41	03/01/20 16:04	1
PCB-1221	ND		0.20	0.038	mg/Kg		02/28/20 14:41	03/01/20 16:04	1
PCB-1232	ND		0.20	0.038	mg/Kg		02/28/20 14:41	03/01/20 16:04	1
PCB-1242	ND		0.20	0.038	mg/Kg		02/28/20 14:41	03/01/20 16:04	1
PCB-1248	ND		0.20	0.038	mg/Kg		02/28/20 14:41	03/01/20 16:04	1
PCB-1254	ND		0.20	0.091	mg/Kg		02/28/20 14:41	03/01/20 16:04	1
PCB-1260	ND		0.20	0.091	mg/Kg		02/28/20 14:41	03/01/20 16:04	1
PCB-1262	ND		0.20	0.091	mg/Kg		02/28/20 14:41	03/01/20 16:04	1
PCB-1268	ND		0.20	0.091	mg/Kg		02/28/20 14:41	03/01/20 16:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	112		60 - 154	02/28/20 14:41	03/01/20 16:04	1
DCB Decachlorobiphenyl	122		65 - 174	02/28/20 14:41	03/01/20 16:04	1

Lab Sample ID: LCS 480-519463/2-A

Matrix: Solid

Analysis Batch: 519550

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 519463

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	2.42	3.19		mg/Kg		132	51 - 185
PCB-1260	2.42	3.01		mg/Kg		125	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	124		60 - 154
DCB Decachlorobiphenyl	136		65 - 174

QC Association Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

GC/MS VOA

Prep Batch: 519563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166855-1	SB-R26	Total/NA	Solid	5035A_L	
480-166855-2	SB-R29	Total/NA	Solid	5035A_L	
480-166855-3	SB-R20	Total/NA	Solid	5035A_L	
480-166855-4	SSB-5	Total/NA	Solid	5035A_L	
MB 480-519563/3-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-519563/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	
LCSD 480-519563/2-A	Lab Control Sample Dup	Total/NA	Solid	5035A_L	

Analysis Batch: 519564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166855-1	SB-R26	Total/NA	Solid	8260C	519563
480-166855-2	SB-R29	Total/NA	Solid	8260C	519563
480-166855-3	SB-R20	Total/NA	Solid	8260C	519563
480-166855-4	SSB-5	Total/NA	Solid	8260C	519563
MB 480-519563/3-A	Method Blank	Total/NA	Solid	8260C	519563
LCS 480-519563/1-A	Lab Control Sample	Total/NA	Solid	8260C	519563
LCSD 480-519563/2-A	Lab Control Sample Dup	Total/NA	Solid	8260C	519563

Prep Batch: 519920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166855-3 - DL	SB-R20	Total/NA	Solid	5035A_H	
480-166855-4 - DL	SSB-5	Total/NA	Solid	5035A_H	
480-166855-5	SB-R24	Total/NA	Solid	5035A_H	
480-166855-6	SB-R32	Total/NA	Solid	5035A_H	
MB 480-519920/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-519920/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 519933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-519920/2-A	Method Blank	Total/NA	Solid	8260C	519920
LCS 480-519920/1-A	Lab Control Sample	Total/NA	Solid	8260C	519920

Analysis Batch: 519934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166855-3 - DL	SB-R20	Total/NA	Solid	8260C	519920
480-166855-4 - DL	SSB-5	Total/NA	Solid	8260C	519920
480-166855-5	SB-R24	Total/NA	Solid	8260C	519920
480-166855-6	SB-R32	Total/NA	Solid	8260C	519920

Analysis Batch: 519939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166855-7	SB-R28	Total/NA	Solid	8260C	519994
480-166855-8	SB-R25	Total/NA	Solid	8260C	519994
MB 480-519994/3-A	Method Blank	Total/NA	Solid	8260C	519994
LCS 480-519994/1-A	Lab Control Sample	Total/NA	Solid	8260C	519994

Prep Batch: 519994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166855-7	SB-R28	Total/NA	Solid	5035A_L	
480-166855-8	SB-R25	Total/NA	Solid	5035A_L	
MB 480-519994/3-A	Method Blank	Total/NA	Solid	5035A_L	

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

GC/MS VOA (Continued)

Prep Batch: 519994 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-519994/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

GC Semi VOA

Prep Batch: 519463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166855-4	SSB-5	Total/NA	Solid	3550C	
MB 480-519463/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-519463/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 519550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166855-4	SSB-5	Total/NA	Solid	8082A	519463
MB 480-519463/1-A	Method Blank	Total/NA	Solid	8082A	519463
LCS 480-519463/2-A	Lab Control Sample	Total/NA	Solid	8082A	519463

Prep Batch: 519748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166855-4	SSB-5	Total/NA	Solid	3550C	
MB 480-519748/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-519748/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-166855-4 MS	SSB-5	Total/NA	Solid	3550C	
480-166855-4 MSD	SSB-5	Total/NA	Solid	3550C	

Analysis Batch: 519781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166855-4	SSB-5	Total/NA	Solid	310.13	519748
MB 480-519748/1-A	Method Blank	Total/NA	Solid	310.13	519748
LCS 480-519748/2-A	Lab Control Sample	Total/NA	Solid	310.13	519748
480-166855-4 MS	SSB-5	Total/NA	Solid	310.13	519748
480-166855-4 MSD	SSB-5	Total/NA	Solid	310.13	519748

General Chemistry

Analysis Batch: 519713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166855-1	SB-R26	Total/NA	Solid	Moisture	
480-166855-2	SB-R29	Total/NA	Solid	Moisture	
480-166855-3	SB-R20	Total/NA	Solid	Moisture	
480-166855-4	SSB-5	Total/NA	Solid	Moisture	
480-166855-5	SB-R24	Total/NA	Solid	Moisture	
480-166855-6	SB-R32	Total/NA	Solid	Moisture	
480-166855-7	SB-R28	Total/NA	Solid	Moisture	
480-166855-8	SB-R25	Total/NA	Solid	Moisture	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Client Sample ID: SB-R26

Date Collected: 02/27/20 12:00

Date Received: 02/28/20 14:15

Lab Sample ID: 480-166855-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	519713	03/02/20 15:41	WJD	TAL BUF

Client Sample ID: SB-R26

Date Collected: 02/27/20 12:00

Date Received: 02/28/20 14:15

Lab Sample ID: 480-166855-1

Matrix: Solid

Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			519563	02/28/20 15:30	CDC	TAL BUF
Total/NA	Analysis	8260C		1	519564	03/02/20 03:29	WJD	TAL BUF

Client Sample ID: SB-R29

Date Collected: 02/27/20 14:00

Date Received: 02/28/20 14:15

Lab Sample ID: 480-166855-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	519713	03/02/20 15:41	WJD	TAL BUF

Client Sample ID: SB-R29

Date Collected: 02/27/20 14:00

Date Received: 02/28/20 14:15

Lab Sample ID: 480-166855-2

Matrix: Solid

Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			519563	02/28/20 15:30	CDC	TAL BUF
Total/NA	Analysis	8260C		1	519564	03/02/20 03:54	WJD	TAL BUF

Client Sample ID: SB-R20

Date Collected: 02/27/20 16:00

Date Received: 02/28/20 14:15

Lab Sample ID: 480-166855-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	519713	03/02/20 15:41	WJD	TAL BUF

Client Sample ID: SB-R20

Date Collected: 02/27/20 16:00

Date Received: 02/28/20 14:15

Lab Sample ID: 480-166855-3

Matrix: Solid

Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			519563	02/28/20 15:30	CDC	TAL BUF
Total/NA	Analysis	8260C		1	519564	03/02/20 04:19	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		519920	03/03/20 23:22	CDC	TAL BUF
Total/NA	Analysis	8260C	DL	1	519934	03/04/20 14:11	CRL	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Client Sample ID: SSB-5

Date Collected: 02/28/20 08:15

Date Received: 02/28/20 14:15

Lab Sample ID: 480-166855-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	519713	03/02/20 15:41	WJD	TAL BUF

Client Sample ID: SSB-5

Date Collected: 02/28/20 08:15

Date Received: 02/28/20 14:15

Lab Sample ID: 480-166855-4

Matrix: Solid

Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			519563	02/28/20 15:30	CDC	TAL BUF
Total/NA	Analysis	8260C		1	519564	03/02/20 04:44	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		519920	03/03/20 23:22	CDC	TAL BUF
Total/NA	Analysis	8260C	DL	8	519934	03/04/20 14:35	CRL	TAL BUF
Total/NA	Prep	3550C			519748	03/03/20 07:14	SMP	TAL BUF
Total/NA	Analysis	310.13		1	519781	03/03/20 12:08	MAN	TAL BUF
Total/NA	Prep	3550C			519463	02/28/20 15:25	SGD	TAL BUF
Total/NA	Analysis	8082A		1	519550	03/01/20 20:46	W1T	TAL BUF

Client Sample ID: SB-R24

Date Collected: 02/28/20 08:50

Date Received: 02/28/20 14:15

Lab Sample ID: 480-166855-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	519713	03/02/20 15:41	WJD	TAL BUF

Client Sample ID: SB-R24

Date Collected: 02/28/20 08:50

Date Received: 02/28/20 14:15

Lab Sample ID: 480-166855-5

Matrix: Solid

Percent Solids: 79.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			519920	03/03/20 23:22	CDC	TAL BUF
Total/NA	Analysis	8260C		20	519934	03/04/20 15:00	CRL	TAL BUF

Client Sample ID: SB-R32

Date Collected: 02/28/20 09:10

Date Received: 02/28/20 14:15

Lab Sample ID: 480-166855-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	519713	03/02/20 15:41	WJD	TAL BUF

Client Sample ID: SB-R32

Date Collected: 02/28/20 09:10

Date Received: 02/28/20 14:15

Lab Sample ID: 480-166855-6

Matrix: Solid

Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			519920	03/03/20 23:22	CDC	TAL BUF
Total/NA	Analysis	8260C		1	519934	03/04/20 15:24	CRL	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Client Sample ID: SB-R28

Date Collected: 02/28/20 10:00

Date Received: 02/28/20 14:15

Lab Sample ID: 480-166855-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	519713	03/02/20 15:41	WJD	TAL BUF

Client Sample ID: SB-R28

Date Collected: 02/28/20 10:00

Date Received: 02/28/20 14:15

Lab Sample ID: 480-166855-7

Matrix: Solid

Percent Solids: 81.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			519994	02/28/20 15:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	519939	03/04/20 15:58	CDC	TAL BUF

Client Sample ID: SB-R25

Date Collected: 02/28/20 11:10

Date Received: 02/28/20 14:15

Lab Sample ID: 480-166855-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	519713	03/02/20 15:41	WJD	TAL BUF

Client Sample ID: SB-R25

Date Collected: 02/28/20 11:10

Date Received: 02/28/20 14:15

Lab Sample ID: 480-166855-8

Matrix: Solid

Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			519994	02/28/20 15:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	519939	03/04/20 16:23	CDC	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
310.13	3550C	Solid	Fuel Oil #2
310.13	3550C	Solid	Fuel Oil #4
310.13	3550C	Solid	Fuel Oil #6
310.13	3550C	Solid	Gasoline
310.13	3550C	Solid	Kerosene
310.13	3550C	Solid	Motor Oil
310.13	3550C	Solid	Unknown Hydrocarbons
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
310.13	Identification of Routine Petroleum Products	NYASP	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

NYASP = New York Analytical Services Protocol

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-166855-1	SB-R26	Solid	02/27/20 12:00	02/28/20 14:15	
480-166855-2	SB-R29	Solid	02/27/20 14:00	02/28/20 14:15	
480-166855-3	SB-R20	Solid	02/27/20 16:00	02/28/20 14:15	
480-166855-4	SSB-5	Solid	02/28/20 08:15	02/28/20 14:15	
480-166855-5	SB-R24	Solid	02/28/20 08:50	02/28/20 14:15	
480-166855-6	SB-R32	Solid	02/28/20 09:10	02/28/20 14:15	
480-166855-7	SB-R28	Solid	02/28/20 10:00	02/28/20 14:15	
480-166855-8	SB-R25	Solid	02/28/20 11:10	02/28/20 14:15	



CHAIN OF CUSTODY

Client: New York State Dept. of
Environmental Conservation

PAGE OF

FED-EX Tracking #	Bottle Order Control #
Lab Quote #	Lab Job #

CLIENT/REPORTING INFORMATION		PROJECT INFORMATION				BILLING INFORMATION										ANALYSIS		LAB USE ONLY	
Groundwater & Environmental Services, Inc. 415 Lawrence Bell Drive, Williamsville, NY 14221 Project Manager: Thomas Palmer Phone #: 800-287-7857 Email: NERegion@gesonline.com 866-902-2187		Project Name: NYSDEC/Frewsburg/NY/FalconerSt/300 Project Address: 300 Falconer Street, Frewsburg, NY Project PSID #: 0901685-05-216				NYSDEC NYSDEC PM: Maurice Moore Phone Number: (716) 851-7220 Email: maurice.moore@dec.ny.gov Lab PM: Orlette Johnson NYSDEC Site No.: 907016										 480-166855 Chain of Custody			
Sampler(s) Name: Pat Golem <i>Peter Zaffran</i>		Sampler(s) Name: <i>Peter Zaffran</i>				number of preserved bottles													
Lab Sample #	Field ID / Point of Collection (Sys_loc_code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Amber	VOCs via 8260C	PCBs via 8082A (9 Ar	TPH 310-13
	SB-R26	4-5	2/28/20	1200	P.2	SS	4										X		
	SB-R29	6-8	2/27/20	1400	P.2	SS	4										X		
	SB-R20	0-4	2/27/20	1600	P.2	SS	4										X		
	SSB-5	10-12	2/28/20	0815	P.2	SS	6										X	X	
	SB-R24	6-8	2/28/20	0800	P.2	SS	4										X		
	SB-R32	0-4	2/29/20	0910	P.2	SS	4										X		
	SB-R28	6-8	2/29/20	0910	P.2	SS	4										X		
	SB-R25	16-18	2/28/20	1110	P.2	SS	4										X		
						SS													
						SS													
						SS													
						SS													

Turnaround Time (Business Days) Approved By (Lab PM) / Date

☒ Standard 14 Days _____ / _____
☐ 1 day RUSH _____ / _____
☐ Other _____ / _____

Laboratory Information

Lab: TestAmerica Buffalo
Address: 15 Hazelwood Drive, Amherst, NY
Phone: 484-685-0864
Lab PM: Orlette Johnson
Lab PM Email: Orlette.Johnson@testamericainc.com

Data Deliverable Information

☐ Commercial 'A' (Level 1) = Results Only
☐ Commercial 'B' (Level 2) = Results + QC Summary
☐ FULLT1 (Level 3 & 4)
☐ NJ Reduced = Results + QC Summary + Partial Raw Data
☐ Commercial 'C'
☐ NJ Data of Known Quality Protocol Reporting
☐ NYASP Category A
☒ NYASP Category B
☐ State Forms
☒ NYDEC EDD
☒ EQEDD

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSDEC/Frewsburg/NY/FalconerSt/300_LabReport#.27908.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.		
Relinquished By Sampler	Date / Time	Received By:
<i>[Signature]</i>	2/28/20 1400	<i>Ummow</i> 2/28/20 1400
Relinquished By	Date / Time	Received By:
<i>Ummow</i>	2/28/20 1415	<i>Walker</i>
Relinquished By:	Date / Time:	Received By:
Custody Seal Number:	☐ Intact ☐ Preserved where applicable	Cooler Temp <i>#1 2.8</i>
	☐ Not Intact ☐ On Ice	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-166855-1

Login Number: 166855

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	FREEZE TIME 2/28/20 15:30
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Quantitation Limit Exceptions Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-166855-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
310.13	Fuel Oil #2	Solid	Total/NA	mg/Kg	1.0	16.67
310.13	Motor Oil	Solid	Total/NA	mg/Kg	33	33.33

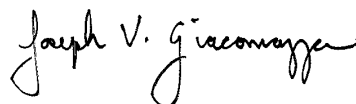
ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-167131-1
Client Project/Site: Frewsburg Site #907016

For:
New York State D.E.C.
270 Michigan Avenue
Buffalo, New York 14203

Attn: Mr. Maurice Moore



Authorized for release by:
3/26/2020 3:03:06 PM

Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

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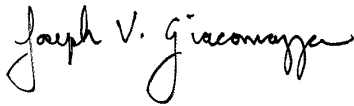
The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Management Assistant II
3/26/2020 3:03:06 PM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
F4	MS/MSD RPD exceeds control limits due to sample size difference.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Job ID: 480-167131-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-167131-1

Receipt

The samples were received on 3/6/2020 1:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1° C.

Receipt Exceptions

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): SB-R33 (480-167131-1[MSD]). The container label lists SB-R32 while the COC lists SB-R33, however, the sample dates and times match. Per client, the samples were logged according to the information on the COC.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): SB-R9 (480-167131-10). The container label lists SB-R8, while the COC lists SB-R9. Per client, the samples were logged according to the COC information.

The following samples were submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): SB-R27 (480-167131-19) and SB-R22 (480-167131-20). The samples were logged for analysis per client.

GC/MS VOA

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-520593 and analytical batch 480-520657 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. The following samples are impacted: SB-R33 (480-167131-1[MS]), SB-R33 (480-167131-1[MSD]), SB-R18 (480-167131-6[MS]) and SB-R18 (480-167131-6[MSD]).

Method 8260C: The matrix spike duplicate (MSD) precision for preparation batch 480-520593 and analytical batch 480-520657 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) precision was within acceptance limits. The following sample is impacted: SB-R18 (480-167131-6[MSD]).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-521079 recovered above the upper control limit for 1,4-Dioxane. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The following samples are impacted: SB-R13 (480-167131-3), SB-R12 (480-167131-4), SB-R17 (480-167131-5), SB-R18 (480-167131-6), SB-R21 (480-167131-7), DUP-01 (480-167131-12), SB-17 (480-167131-14), SB-R7 (480-167131-15), DUP-02 (480-167131-16) and SB-R6 (480-167131-17).

Method 8260C: The following samples were analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: SB-R12 (480-167131-4), SB-R18 (480-167131-6), SB-R18 (480-167131-6[MS]), SB-R18 (480-167131-6[MSD]), SB-R7 (480-167131-15) and DUP-02 (480-167131-16). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: SB-R13 (480-167131-3), SB-R17 (480-167131-5), SB-R21 (480-167131-7), DUP-01 (480-167131-12) and SB-17 (480-167131-14). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was analyzed using medium level soil analysis due to the abundance of non-target analytes: SB-R6 (480-167131-17). Elevated reporting limits (RLs) are provided.

Method 8260C: Due to the high concentration of cis-1,2-Dichloroethene, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 480-520981 and analytical batch 480-521079 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria. The following samples are impacted: SB-R18 (480-167131-6[MS]) and SB-R18 (480-167131-6[MSD]).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Case Narrative

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Job ID: 480-167131-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Detection Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R33

Lab Sample ID: 480-167131-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	19	J	28	4.8	ug/Kg	1	☼	8260C	Total/NA
Benzene	2.7	J	5.6	0.28	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	1.1	J	5.6	0.39	ug/Kg	1	☼	8260C	Total/NA
Methylcyclohexane	5.8		5.6	0.86	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	3.5	J B	5.6	2.6	ug/Kg	1	☼	8260C	Total/NA
Toluene	6.6		5.6	0.43	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	7.4	J	11	0.95	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB-R35

Lab Sample ID: 480-167131-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	4.3	J	22	1.6	ug/Kg	1	☼	8260C	Total/NA
Acetone	25		22	3.7	ug/Kg	1	☼	8260C	Total/NA
Benzene	1.3	J	4.5	0.22	ug/Kg	1	☼	8260C	Total/NA
Cyclohexane	3.0	J	4.5	0.62	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	0.34	J	4.5	0.31	ug/Kg	1	☼	8260C	Total/NA
Methylcyclohexane	4.1	J	4.5	0.68	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	2.5	J B	4.5	2.0	ug/Kg	1	☼	8260C	Total/NA
Toluene	2.6	J	4.5	0.34	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	1.7	J	8.9	0.75	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB-R13

Lab Sample ID: 480-167131-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	360	J	940	260	ug/Kg	10	☼	8260C	Total/NA
Methylene Chloride	390	J	940	190	ug/Kg	10	☼	8260C	Total/NA
Tetrachloroethene	280	J	940	130	ug/Kg	10	☼	8260C	Total/NA
Trichloroethene	45000		940	260	ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: SB-R12

Lab Sample ID: 480-167131-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	15	J	27	4.6	ug/Kg	1	☼	8260C	Total/NA
Benzene	3.4	J	5.5	0.27	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	86		5.5	0.70	ug/Kg	1	☼	8260C	Total/NA
Cyclohexane	5.0	J	5.5	0.77	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	0.85	J	5.5	0.38	ug/Kg	1	☼	8260C	Total/NA
Methylcyclohexane	7.0		5.5	0.83	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	2.8	J B	5.5	2.5	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	3.2	J	5.5	0.74	ug/Kg	1	☼	8260C	Total/NA
Toluene	6.5		5.5	0.41	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	0.82	J	5.5	0.57	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	1100	E	5.5	1.2	ug/Kg	1	☼	8260C	Total/NA
Vinyl chloride	2.4	J	5.5	0.67	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	5.0	J	11	0.92	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene - DL	220		82	23	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene - DL	15	J	82	11	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	3000		82	23	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB-R17

Lab Sample ID: 480-167131-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2100		490	130	ug/Kg	8	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R17 (Continued)

Lab Sample ID: 480-167131-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	14000		490	140	ug/Kg	8	☼	8260C	Total/NA

Client Sample ID: SB-R18

Lab Sample ID: 480-167131-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.47	J	2.1	0.26	ug/Kg	1	☼	8260C	Total/NA
Acetone	9.3	J	11	1.8	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	310	E	2.1	0.27	ug/Kg	1	☼	8260C	Total/NA
Cyclohexane	0.33	J	2.1	0.30	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	0.15	J F1	2.1	0.15	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	1.2	J B	2.1	0.98	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.43	J F1	2.1	0.16	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	3.8		2.1	0.22	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	16	F1 F2	2.1	0.47	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene - DL	4800		54	15	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene - DL	21	J	54	16	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene - DL	15	J	54	7.3	ug/Kg	1	☼	8260C	Total/NA
Toluene - DL	14	J	54	14	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene - DL	51	J	54	13	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	680	F1	54	15	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB-R21

Lab Sample ID: 480-167131-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	2.4	J	22	1.6	ug/Kg	1	☼	8260C	Total/NA
Acetone	28		22	3.8	ug/Kg	1	☼	8260C	Total/NA
Benzene	2.2	J	4.5	0.22	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	80		4.5	0.57	ug/Kg	1	☼	8260C	Total/NA
Cyclohexane	3.9	J	4.5	0.63	ug/Kg	1	☼	8260C	Total/NA
Methylcyclohexane	5.5		4.5	0.68	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	2.1	J B	4.5	2.1	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	1.7	J	4.5	0.60	ug/Kg	1	☼	8260C	Total/NA
Toluene	3.2	J	4.5	0.34	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	1200	E	4.5	0.99	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	1.3	J	9.0	0.75	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene - DL	290		110	30	ug/Kg	2	☼	8260C	Total/NA
Trichloroethene - DL	4700		110	30	ug/Kg	2	☼	8260C	Total/NA

Client Sample ID: SB-R30

Lab Sample ID: 480-167131-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	2.9	J	21	1.5	ug/Kg	1	☼	8260C	Total/NA
Acetone	26		21	3.5	ug/Kg	1	☼	8260C	Total/NA
Benzene	1.7	J	4.2	0.20	ug/Kg	1	☼	8260C	Total/NA
Cyclohexane	2.3	J	4.2	0.58	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	0.38	J	4.2	0.29	ug/Kg	1	☼	8260C	Total/NA
Methylcyclohexane	3.0	J	4.2	0.63	ug/Kg	1	☼	8260C	Total/NA
Toluene	3.1	J	4.2	0.31	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	2.5	J	8.3	0.70	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R36

Lab Sample ID: 480-167131-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	13	J	24	4.1	ug/Kg	1	☼	8260C	Total/NA
Benzene	0.29	J	4.8	0.24	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	3.2	J B	4.8	2.2	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB-R9

Lab Sample ID: 480-167131-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	35		29	4.8	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	5.9	B	5.7	2.6	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB-R14

Lab Sample ID: 480-167131-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16	J	21	3.6	ug/Kg	1	☼	8260C	Total/NA
Benzene	0.33	J	4.3	0.21	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	2.2	J B	4.3	2.0	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: DUP-01

Lab Sample ID: 480-167131-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	210	J	390	110	ug/Kg	8	☼	8260C	Total/NA
Trichloroethene	13000		390	110	ug/Kg	8	☼	8260C	Total/NA

Client Sample ID: SB-R15

Lab Sample ID: 480-167131-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	16	J	34	2.5	ug/Kg	1	☼	8260C	Total/NA
Acetone	110		34	5.7	ug/Kg	1	☼	8260C	Total/NA
Benzene	0.36	J	6.8	0.33	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.70	J	6.8	0.51	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB-17

Lab Sample ID: 480-167131-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	180		180	48	ug/Kg	4	☼	8260C	Total/NA
Trichloroethene	9700		180	49	ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: SB-R7

Lab Sample ID: 480-167131-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	2.2	J	4.6	0.56	ug/Kg	1	☼	8260C	Total/NA
Acetone	29		23	3.9	ug/Kg	1	☼	8260C	Total/NA
Benzene	2.1	J	4.6	0.23	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	310	E	4.6	0.59	ug/Kg	1	☼	8260C	Total/NA
Cyclohexane	4.3	J	4.6	0.64	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	0.32	J	4.6	0.32	ug/Kg	1	☼	8260C	Total/NA
Methylcyclohexane	5.6		4.6	0.70	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	2.1	J B	4.6	2.1	ug/Kg	1	☼	8260C	Total/NA
Toluene	2.9	J	4.6	0.35	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	8.7		4.6	0.48	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	53		4.6	1.0	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	1.4	J	9.2	0.77	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene - DL	620		60	17	ug/Kg	1	☼	8260C	Total/NA
Toluene - DL	110		60	16	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R7 (Continued)

Lab Sample ID: 480-167131-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene - DL	19	J	60	14	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	670		60	17	ug/Kg	1	☼	8260C	Total/NA
Fuel Oil #2	20		20	20	mg/Kg	1	☼	310.13	Total/NA

Client Sample ID: DUP-02

Lab Sample ID: 480-167131-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	780		60	16	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	19	J	60	14	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	2100		60	17	ug/Kg	1	☼	8260C	Total/NA
Fuel Oil #2	11		0.30	0.30	mg/Kg	1	☼	310.13	Total/NA

Client Sample ID: SB-R6

Lab Sample ID: 480-167131-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl acetate	87	J	220	21	ug/Kg	1	☼	8260C	Total/NA
Toluene	17	J	45	12	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB-R10

Lab Sample ID: 480-167131-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.3	J	21	3.5	ug/Kg	1	☼	8260C	Total/NA
Benzene	2.9	J	4.1	0.20	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	2.1	J	4.1	0.53	ug/Kg	1	☼	8260C	Total/NA
Cyclohexane	4.4		4.1	0.58	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	0.64	J	4.1	0.28	ug/Kg	1	☼	8260C	Total/NA
Methylcyclohexane	7.4		4.1	0.63	ug/Kg	1	☼	8260C	Total/NA
Toluene	5.3		4.1	0.31	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	58		4.1	0.91	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	4.4	J	8.2	0.69	ug/Kg	1	☼	8260C	Total/NA
Motor Oil	310		40	40	mg/Kg	1	☼	310.13	Total/NA
PCB-1260	0.15	J	0.24	0.11	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SB-R27

Lab Sample ID: 480-167131-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	26	J	41	7.0	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	7.1	J B	8.3	3.8	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB-R22

Lab Sample ID: 480-167131-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	31		19	3.1	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	2.8	J B	3.7	1.7	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R33

Lab Sample ID: 480-167131-1

Date Collected: 03/02/20 10:20

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 83.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.6	0.41	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
1,1,2,2-Tetrachloroethane	ND		5.6	0.92	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
1,1,2-Trichloroethane	ND		5.6	0.73	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.3	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
1,1-Dichloroethane	ND		5.6	0.69	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
1,1-Dichloroethene	ND		5.6	0.69	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
1,2,4-Trichlorobenzene	ND	F1	5.6	0.34	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
1,2-Dibromo-3-Chloropropane	ND		5.6	2.8	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
1,2-Dichlorobenzene	ND	F1	5.6	0.44	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
1,2-Dichloroethane	ND		5.6	0.28	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
1,2-Dichloropropane	ND		5.6	2.8	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
1,3-Dichlorobenzene	ND		5.6	0.29	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
1,4-Dichlorobenzene	ND		5.6	0.79	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
2-Butanone (MEK)	ND		28	2.1	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
2-Hexanone	ND		28	2.8	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
4-Methyl-2-pentanone (MIBK)	ND		28	1.9	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Acetone	19	J	28	4.8	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Benzene	2.7	J	5.6	0.28	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Bromodichloromethane	ND		5.6	0.76	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Bromomethane	ND		5.6	0.51	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Carbon disulfide	ND		5.6	2.8	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Carbon tetrachloride	ND		5.6	0.55	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Chlorobenzene	ND		5.6	0.75	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Dibromochloromethane	ND		5.6	0.72	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Chloroethane	ND		5.6	1.3	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Chloroform	ND		5.6	0.35	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Chloromethane	ND		5.6	0.34	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
1,4-Dioxane	ND		110	25	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
cis-1,2-Dichloroethene	ND		5.6	0.72	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
cis-1,3-Dichloropropene	ND		5.6	0.81	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Cyclohexane	ND		5.6	0.79	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Dichlorodifluoromethane	ND	F1	5.6	0.47	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Ethylbenzene	1.1	J	5.6	0.39	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
1,2-Dibromoethane	ND		5.6	0.73	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Isopropylbenzene	ND		5.6	0.85	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Methyl acetate	ND		28	3.4	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Methyl tert-butyl ether	ND		5.6	0.55	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Methylcyclohexane	5.8		5.6	0.86	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Methylene Chloride	3.5	J B	5.6	2.6	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Styrene	ND		5.6	0.28	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Tetrachloroethene	ND		5.6	0.76	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Toluene	6.6		5.6	0.43	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
trans-1,2-Dichloroethene	ND		5.6	0.58	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Trichloroethene	ND		5.6	1.2	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Trichlorofluoromethane	ND		5.6	0.53	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Vinyl chloride	ND		5.6	0.69	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1
Xylenes, Total	7.4	J	11	0.95	ug/Kg	☼	03/07/20 13:11	03/09/20 23:06	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R33

Lab Sample ID: 480-167131-1

Date Collected: 03/02/20 10:20

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 83.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		71 - 125	03/07/20 13:11	03/09/20 23:06	1
1,2-Dichloroethane-d4 (Surr)	102		64 - 126	03/07/20 13:11	03/09/20 23:06	1
4-Bromofluorobenzene (Surr)	100		72 - 126	03/07/20 13:11	03/09/20 23:06	1
Dibromofluoromethane (Surr)	97		60 - 140	03/07/20 13:11	03/09/20 23:06	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R35

Lab Sample ID: 480-167131-2

Date Collected: 03/02/20 11:30

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 85.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.5	0.32	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
1,1,2,2-Tetrachloroethane	ND		4.5	0.72	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
1,1,2-Trichloroethane	ND		4.5	0.58	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.5	1.0	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
1,1-Dichloroethane	ND		4.5	0.54	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
1,1-Dichloroethene	ND		4.5	0.55	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
1,2,4-Trichlorobenzene	ND		4.5	0.27	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
1,2-Dibromo-3-Chloropropane	ND		4.5	2.2	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
1,2-Dichlorobenzene	ND		4.5	0.35	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
1,2-Dichloroethane	ND		4.5	0.22	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
1,2-Dichloropropane	ND		4.5	2.2	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
1,3-Dichlorobenzene	ND		4.5	0.23	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
1,4-Dichlorobenzene	ND		4.5	0.62	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
2-Butanone (MEK)	4.3	J	22	1.6	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
2-Hexanone	ND		22	2.2	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
4-Methyl-2-pentanone (MIBK)	ND		22	1.5	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Acetone	25		22	3.7	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Benzene	1.3	J	4.5	0.22	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Bromodichloromethane	ND		4.5	0.60	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Bromoform	ND		4.5	2.2	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Bromomethane	ND		4.5	0.40	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Carbon disulfide	ND		4.5	2.2	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Carbon tetrachloride	ND		4.5	0.43	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Chlorobenzene	ND		4.5	0.59	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Dibromochloromethane	ND		4.5	0.57	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Chloroethane	ND		4.5	1.0	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Chloroform	ND		4.5	0.28	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Chloromethane	ND		4.5	0.27	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
1,4-Dioxane	ND		89	19	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
cis-1,2-Dichloroethene	ND		4.5	0.57	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
cis-1,3-Dichloropropene	ND		4.5	0.64	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Cyclohexane	3.0	J	4.5	0.62	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Dichlorodifluoromethane	ND		4.5	0.37	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Ethylbenzene	0.34	J	4.5	0.31	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
1,2-Dibromoethane	ND		4.5	0.57	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Isopropylbenzene	ND		4.5	0.67	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Methyl acetate	ND		22	2.7	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Methyl tert-butyl ether	ND		4.5	0.44	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Methylcyclohexane	4.1	J	4.5	0.68	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Methylene Chloride	2.5	J B	4.5	2.0	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Styrene	ND		4.5	0.22	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Tetrachloroethene	ND		4.5	0.60	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Toluene	2.6	J	4.5	0.34	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
trans-1,2-Dichloroethene	ND		4.5	0.46	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
trans-1,3-Dichloropropene	ND		4.5	2.0	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Trichloroethene	ND		4.5	0.98	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Trichlorofluoromethane	ND		4.5	0.42	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Vinyl chloride	ND		4.5	0.54	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1
Xylenes, Total	1.7	J	8.9	0.75	ug/Kg	☼	03/07/20 13:11	03/09/20 23:32	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R35

Lab Sample ID: 480-167131-2

Date Collected: 03/02/20 11:30

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 85.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		71 - 125	03/07/20 13:11	03/09/20 23:32	1
1,2-Dichloroethane-d4 (Surr)	106		64 - 126	03/07/20 13:11	03/09/20 23:32	1
4-Bromofluorobenzene (Surr)	101		72 - 126	03/07/20 13:11	03/09/20 23:32	1
Dibromofluoromethane (Surr)	97		60 - 140	03/07/20 13:11	03/09/20 23:32	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R13

Lab Sample ID: 480-167131-3

Date Collected: 03/02/20 15:30

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 88.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		940	260	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
1,1,2,2-Tetrachloroethane	ND		940	150	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
1,1,2-Trichloroethane	ND		940	200	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		940	470	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
1,1-Dichloroethane	ND		940	290	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
1,1-Dichloroethene	ND		940	330	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
1,2,4-Trichlorobenzene	ND		940	360	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
1,2-Dibromo-3-Chloropropane	ND		940	470	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
1,2-Dichlorobenzene	ND		940	240	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
1,2-Dichloroethane	ND		940	390	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
1,2-Dichloropropane	ND		940	150	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
1,3-Dichlorobenzene	ND		940	250	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
1,4-Dichlorobenzene	ND		940	130	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
2-Butanone (MEK)	ND		4700	2800	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
2-Hexanone	ND		4700	1900	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
4-Methyl-2-pentanone (MIBK)	ND		4700	300	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Acetone	ND		4700	3900	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Benzene	ND		940	180	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Bromodichloromethane	ND		940	190	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Bromoform	ND		940	470	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Bromomethane	ND		940	210	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Carbon disulfide	ND		940	430	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Carbon tetrachloride	ND		940	240	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Chlorobenzene	ND		940	120	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Dibromochloromethane	ND		940	460	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Chloroethane	ND		940	200	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Chloroform	ND		940	650	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Chloromethane	ND		940	220	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
1,4-Dioxane	ND		18000	4800	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
cis-1,2-Dichloroethene	360	J	940	260	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
cis-1,3-Dichloropropene	ND		940	230	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Cyclohexane	ND		940	210	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Dichlorodifluoromethane	ND		940	410	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Ethylbenzene	ND		940	270	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
1,2-Dibromoethane	ND		940	170	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Isopropylbenzene	ND		940	140	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Methyl acetate	ND		4700	450	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Methyl tert-butyl ether	ND		940	360	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Methylcyclohexane	ND		940	440	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Methylene Chloride	390	J	940	190	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Styrene	ND		940	230	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Tetrachloroethene	280	J	940	130	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Toluene	ND		940	250	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
trans-1,2-Dichloroethene	ND		940	220	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
trans-1,3-Dichloropropene	ND		940	93	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Trichloroethene	45000		940	260	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Trichlorofluoromethane	ND		940	440	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Vinyl chloride	ND		940	320	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10
Xylenes, Total	ND		1900	520	ug/Kg	☼	03/11/20 12:48	03/12/20 13:33	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R13

Lab Sample ID: 480-167131-3

Date Collected: 03/02/20 15:30

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 88.9

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	101		50 - 149	03/11/20 12:48	03/12/20 13:33	10
<i>1,2-Dichloroethane-d4 (Surr)</i>	99		53 - 146	03/11/20 12:48	03/12/20 13:33	10
<i>4-Bromofluorobenzene (Surr)</i>	103		49 - 148	03/11/20 12:48	03/12/20 13:33	10
<i>Dibromofluoromethane (Surr)</i>	94		60 - 140	03/11/20 12:48	03/12/20 13:33	10

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R12

Lab Sample ID: 480-167131-4

Date Collected: 03/02/20 16:15

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 81.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.5	0.40	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
1,1,2,2-Tetrachloroethane	ND		5.5	0.89	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
1,1,2-Trichloroethane	ND		5.5	0.71	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.2	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
1,1-Dichloroethane	ND		5.5	0.67	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
1,1-Dichloroethene	ND		5.5	0.67	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
1,2,4-Trichlorobenzene	ND		5.5	0.33	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
1,2-Dibromo-3-Chloropropane	ND		5.5	2.7	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
1,2-Dichlorobenzene	ND		5.5	0.43	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
1,2-Dichloroethane	ND		5.5	0.28	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
1,2-Dichloropropane	ND		5.5	2.7	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
1,3-Dichlorobenzene	ND		5.5	0.28	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
1,4-Dichlorobenzene	ND		5.5	0.77	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
2-Butanone (MEK)	ND		27	2.0	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
2-Hexanone	ND		27	2.7	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.8	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Acetone	15	J	27	4.6	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Benzene	3.4	J	5.5	0.27	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Bromodichloromethane	ND		5.5	0.73	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Bromoform	ND		5.5	2.7	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Bromomethane	ND		5.5	0.49	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Carbon disulfide	ND		5.5	2.7	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Carbon tetrachloride	ND		5.5	0.53	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Chlorobenzene	ND		5.5	0.72	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Dibromochloromethane	ND		5.5	0.70	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Chloroethane	ND		5.5	1.2	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Chloroform	ND		5.5	0.34	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Chloromethane	ND		5.5	0.33	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
1,4-Dioxane	ND		110	24	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
cis-1,2-Dichloroethene	86		5.5	0.70	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
cis-1,3-Dichloropropene	ND		5.5	0.79	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Cyclohexane	5.0	J	5.5	0.77	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Dichlorodifluoromethane	ND		5.5	0.45	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Ethylbenzene	0.85	J	5.5	0.38	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
1,2-Dibromoethane	ND		5.5	0.70	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Isopropylbenzene	ND		5.5	0.83	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Methyl acetate	ND		27	3.3	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Methyl tert-butyl ether	ND		5.5	0.54	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Methylcyclohexane	7.0		5.5	0.83	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Methylene Chloride	2.8	J B	5.5	2.5	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Styrene	ND		5.5	0.27	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Tetrachloroethene	3.2	J	5.5	0.74	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Toluene	6.5		5.5	0.41	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
trans-1,2-Dichloroethene	0.82	J	5.5	0.57	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
trans-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Trichloroethene	1100	E	5.5	1.2	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Trichlorofluoromethane	ND		5.5	0.52	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Vinyl chloride	2.4	J	5.5	0.67	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1
Xylenes, Total	5.0	J	11	0.92	ug/Kg	☼	03/07/20 13:11	03/09/20 23:57	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R12

Lab Sample ID: 480-167131-4

Date Collected: 03/02/20 16:15

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 81.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		71 - 125	03/07/20 13:11	03/09/20 23:57	1
1,2-Dichloroethane-d4 (Surr)	103		64 - 126	03/07/20 13:11	03/09/20 23:57	1
4-Bromofluorobenzene (Surr)	96		72 - 126	03/07/20 13:11	03/09/20 23:57	1
Dibromofluoromethane (Surr)	98		60 - 140	03/07/20 13:11	03/09/20 23:57	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		82	23	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
1,1,2,2-Tetrachloroethane	ND		82	13	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
1,1,2-Trichloroethane	ND		82	17	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		82	41	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
1,1-Dichloroethane	ND		82	25	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
1,1-Dichloroethene	ND		82	28	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
1,2,4-Trichlorobenzene	ND		82	31	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
1,2-Dibromo-3-Chloropropane	ND		82	41	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
1,2-Dichlorobenzene	ND		82	21	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
1,2-Dichloroethane	ND		82	34	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
1,2-Dichloropropane	ND		82	13	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
1,3-Dichlorobenzene	ND		82	22	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
1,4-Dichlorobenzene	ND		82	12	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
2-Butanone (MEK)	ND		410	240	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
2-Hexanone	ND		410	170	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
4-Methyl-2-pentanone (MIBK)	ND		410	26	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
Acetone	ND		410	340	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
Benzene	ND		82	16	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
Bromodichloromethane	ND		82	16	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
Bromoform	ND		82	41	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
Bromomethane	ND		82	18	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
Carbon disulfide	ND		82	37	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
Carbon tetrachloride	ND		82	21	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
Chlorobenzene	ND		82	11	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
Dibromochloromethane	ND		82	40	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
Chloroethane	ND		82	17	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
Chloroform	ND		82	56	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
Chloromethane	ND		82	20	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
1,4-Dioxane	ND		1600	420	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
cis-1,2-Dichloroethene	220		82	23	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
cis-1,3-Dichloropropene	ND		82	20	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
Cyclohexane	ND		82	18	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
Dichlorodifluoromethane	ND		82	36	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
Ethylbenzene	ND		82	24	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
1,2-Dibromoethane	ND		82	14	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
Isopropylbenzene	ND		82	12	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
Methyl acetate	ND		410	39	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
Methyl tert-butyl ether	ND		82	31	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
Methylcyclohexane	ND		82	38	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
Methylene Chloride	ND		82	16	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
Styrene	ND		82	20	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
Tetrachloroethene	15 J		82	11	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1
Toluene	ND		82	22	ug/Kg	☼	03/11/20 12:48	03/12/20 10:28	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R12

Lab Sample ID: 480-167131-4

Date Collected: 03/02/20 16:15

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 81.6

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		82	19	ug/Kg	⚠	03/11/20 12:48	03/12/20 10:28	1
trans-1,3-Dichloropropene	ND		82	8.1	ug/Kg	⚠	03/11/20 12:48	03/12/20 10:28	1
Trichloroethene	3000		82	23	ug/Kg	⚠	03/11/20 12:48	03/12/20 10:28	1
Trichlorofluoromethane	ND		82	39	ug/Kg	⚠	03/11/20 12:48	03/12/20 10:28	1
Vinyl chloride	ND		82	28	ug/Kg	⚠	03/11/20 12:48	03/12/20 10:28	1
Xylenes, Total	ND		160	46	ug/Kg	⚠	03/11/20 12:48	03/12/20 10:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		50 - 149	03/11/20 12:48	03/12/20 10:28	1
1,2-Dichloroethane-d4 (Surr)	95		53 - 146	03/11/20 12:48	03/12/20 10:28	1
4-Bromofluorobenzene (Surr)	102		49 - 148	03/11/20 12:48	03/12/20 10:28	1
Dibromofluoromethane (Surr)	92		60 - 140	03/11/20 12:48	03/12/20 10:28	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R17

Lab Sample ID: 480-167131-5

Date Collected: 03/03/20 08:20

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 81.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		490	140	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
1,1,2,2-Tetrachloroethane	ND		490	79	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
1,1,2-Trichloroethane	ND		490	100	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		490	240	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
1,1-Dichloroethane	ND		490	150	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
1,1-Dichloroethene	ND		490	170	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
1,2,4-Trichlorobenzene	ND		490	180	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
1,2-Dibromo-3-Chloropropane	ND		490	240	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
1,2-Dichlorobenzene	ND		490	120	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
1,2-Dichloroethane	ND		490	200	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
1,2-Dichloropropane	ND		490	79	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
1,3-Dichlorobenzene	ND		490	130	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
1,4-Dichlorobenzene	ND		490	68	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
2-Butanone (MEK)	ND		2400	1400	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
2-Hexanone	ND		2400	1000	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
4-Methyl-2-pentanone (MIBK)	ND		2400	160	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Acetone	ND		2400	2000	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Benzene	ND		490	93	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Bromodichloromethane	ND		490	98	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Bromoform	ND		490	240	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Bromomethane	ND		490	110	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Carbon disulfide	ND		490	220	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Carbon tetrachloride	ND		490	120	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Chlorobenzene	ND		490	64	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Dibromochloromethane	ND		490	240	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Chloroethane	ND		490	100	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Chloroform	ND		490	330	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Chloromethane	ND		490	120	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
1,4-Dioxane	ND		9300	2500	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
cis-1,2-Dichloroethene	2100		490	130	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
cis-1,3-Dichloropropene	ND		490	120	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Cyclohexane	ND		490	110	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Dichlorodifluoromethane	ND		490	210	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Ethylbenzene	ND		490	140	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
1,2-Dibromoethane	ND		490	85	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Isopropylbenzene	ND		490	73	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Methyl acetate	ND		2400	230	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Methyl tert-butyl ether	ND		490	180	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Methylcyclohexane	ND		490	230	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Methylene Chloride	ND		490	97	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Styrene	ND		490	120	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Tetrachloroethene	ND		490	66	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Toluene	ND		490	130	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
trans-1,2-Dichloroethene	ND		490	120	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
trans-1,3-Dichloropropene	ND		490	48	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Trichloroethene	14000		490	140	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Trichlorofluoromethane	ND		490	230	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Vinyl chloride	ND		490	160	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8
Xylenes, Total	ND		980	270	ug/Kg	☼	03/11/20 12:48	03/12/20 10:51	8

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R17

Lab Sample ID: 480-167131-5

Date Collected: 03/03/20 08:20

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 81.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		50 - 149	03/11/20 12:48	03/12/20 10:51	8
1,2-Dichloroethane-d4 (Surr)	92		53 - 146	03/11/20 12:48	03/12/20 10:51	8
4-Bromofluorobenzene (Surr)	101		49 - 148	03/11/20 12:48	03/12/20 10:51	8
Dibromofluoromethane (Surr)	89		60 - 140	03/11/20 12:48	03/12/20 10:51	8

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R18

Lab Sample ID: 480-167131-6

Date Collected: 03/03/20 10:45

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 82.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	F1	2.1	0.16	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
1,1,2,2-Tetrachloroethane	ND	F1	2.1	0.35	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
1,1,2-Trichloroethane	ND	F1	2.1	0.28	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.1	0.49	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
1,1-Dichloroethane	ND		2.1	0.26	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
1,1-Dichloroethene	0.47	J	2.1	0.26	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
1,2,4-Trichlorobenzene	ND	F1	2.1	0.13	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
1,2-Dibromo-3-Chloropropane	ND	F1	2.1	1.1	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
1,2-Dichlorobenzene	ND	F1	2.1	0.17	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
1,2-Dichloroethane	ND	F1	2.1	0.11	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
1,2-Dichloropropane	ND		2.1	1.1	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
1,3-Dichlorobenzene	ND	F1	2.1	0.11	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
1,4-Dichlorobenzene	ND	F1	2.1	0.30	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
2-Butanone (MEK)	ND		11	0.78	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
2-Hexanone	ND		11	1.1	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
4-Methyl-2-pentanone (MIBK)	ND		11	0.70	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Acetone	9.3	J	11	1.8	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Benzene	ND		2.1	0.10	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Bromodichloromethane	ND	F1	2.1	0.29	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Bromoform	ND	F1	2.1	1.1	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Bromomethane	ND		2.1	0.19	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Carbon disulfide	ND		2.1	1.1	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Carbon tetrachloride	ND	F1	2.1	0.21	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Chlorobenzene	ND	F1	2.1	0.28	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Dibromochloromethane	ND	F1	2.1	0.27	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Chloroethane	ND	F1	2.1	0.48	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Chloroform	ND	F1	2.1	0.13	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Chloromethane	ND	F1	2.1	0.13	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
1,4-Dioxane	ND		43	9.3	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
cis-1,2-Dichloroethene	310	E	2.1	0.27	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
cis-1,3-Dichloropropene	ND	F1	2.1	0.31	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Cyclohexane	0.33	J	2.1	0.30	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Dichlorodifluoromethane	ND	F1 F2	2.1	0.18	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Ethylbenzene	0.15	J F1	2.1	0.15	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
1,2-Dibromoethane	ND	F1	2.1	0.27	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Isopropylbenzene	ND	F1	2.1	0.32	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Methyl acetate	ND		11	1.3	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Methyl tert-butyl ether	ND		2.1	0.21	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Methylcyclohexane	ND	F1	2.1	0.32	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Methylene Chloride	1.2	J B	2.1	0.98	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Styrene	ND	F1	2.1	0.11	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Tetrachloroethene	ND	F1	2.1	0.29	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Toluene	0.43	J F1	2.1	0.16	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
trans-1,2-Dichloroethene	3.8		2.1	0.22	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
trans-1,3-Dichloropropene	ND	F1	2.1	0.94	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Trichloroethene	16	F1 F2	2.1	0.47	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Trichlorofluoromethane	ND		2.1	0.20	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Vinyl chloride	ND	F1	2.1	0.26	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1
Xylenes, Total	ND	F1	4.3	0.36	ug/Kg	☼	03/07/20 13:11	03/10/20 00:23	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R18

Lab Sample ID: 480-167131-6

Date Collected: 03/03/20 10:45

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 82.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		71 - 125	03/07/20 13:11	03/10/20 00:23	1
1,2-Dichloroethane-d4 (Surr)	106		64 - 126	03/07/20 13:11	03/10/20 00:23	1
4-Bromofluorobenzene (Surr)	97		72 - 126	03/07/20 13:11	03/10/20 00:23	1
Dibromofluoromethane (Surr)	101		60 - 140	03/07/20 13:11	03/10/20 00:23	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		54	15	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
1,1,2,2-Tetrachloroethane	ND		54	8.8	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
1,1,2-Trichloroethane	ND		54	11	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		54	27	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
1,1-Dichloroethane	ND		54	17	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
1,1-Dichloroethene	ND		54	19	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
1,2,4-Trichlorobenzene	ND	F1	54	20	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
1,2-Dibromo-3-Chloropropane	ND	F2 F1	54	27	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
1,2-Dichlorobenzene	ND		54	14	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
1,2-Dichloroethane	ND		54	22	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
1,2-Dichloropropane	ND		54	8.8	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
1,3-Dichlorobenzene	ND		54	14	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
1,4-Dichlorobenzene	ND		54	7.6	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
2-Butanone (MEK)	ND		270	160	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
2-Hexanone	ND		270	110	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
4-Methyl-2-pentanone (MIBK)	ND	F1	270	17	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
Acetone	ND		270	220	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
Benzene	ND		54	10	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
Bromodichloromethane	ND		54	11	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
Bromoform	ND		54	27	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
Bromomethane	ND		54	12	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
Carbon disulfide	ND		54	25	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
Carbon tetrachloride	ND		54	14	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
Chlorobenzene	ND		54	7.1	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
Dibromochloromethane	ND		54	26	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
Chloroethane	ND		54	11	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
Chloroform	ND		54	37	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
Chloromethane	ND		54	13	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
1,4-Dioxane	ND		1000	280	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
cis-1,2-Dichloroethene	4800		54	15	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
cis-1,3-Dichloropropene	ND		54	13	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
Cyclohexane	ND		54	12	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
Dichlorodifluoromethane	ND		54	24	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
Ethylbenzene	21	J	54	16	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
1,2-Dibromoethane	ND		54	9.5	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
Isopropylbenzene	ND		54	8.1	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
Methyl acetate	ND	F1	270	26	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
Methyl tert-butyl ether	ND		54	20	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
Methylcyclohexane	ND		54	25	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
Methylene Chloride	ND		54	11	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
Styrene	ND		54	13	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
Tetrachloroethene	15	J	54	7.3	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1
Toluene	14	J	54	14	ug/Kg	☼	03/11/20 12:48	03/12/20 11:15	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R18

Lab Sample ID: 480-167131-6

Date Collected: 03/03/20 10:45

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 82.3

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	51	J	54	13	ug/Kg	⚠	03/11/20 12:48	03/12/20 11:15	1
trans-1,3-Dichloropropene	ND		54	5.3	ug/Kg	⚠	03/11/20 12:48	03/12/20 11:15	1
Trichloroethene	680	F1	54	15	ug/Kg	⚠	03/11/20 12:48	03/12/20 11:15	1
Trichlorofluoromethane	ND		54	25	ug/Kg	⚠	03/11/20 12:48	03/12/20 11:15	1
Vinyl chloride	ND		54	18	ug/Kg	⚠	03/11/20 12:48	03/12/20 11:15	1
Xylenes, Total	ND		110	30	ug/Kg	⚠	03/11/20 12:48	03/12/20 11:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		50 - 149	03/11/20 12:48	03/12/20 11:15	1
1,2-Dichloroethane-d4 (Surr)	94		53 - 146	03/11/20 12:48	03/12/20 11:15	1
4-Bromofluorobenzene (Surr)	107		49 - 148	03/11/20 12:48	03/12/20 11:15	1
Dibromofluoromethane (Surr)	91		60 - 140	03/11/20 12:48	03/12/20 11:15	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R21

Lab Sample ID: 480-167131-7

Date Collected: 03/03/20 11:30

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 81.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.5	0.33	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
1,1,2,2-Tetrachloroethane	ND		4.5	0.73	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
1,1,2-Trichloroethane	ND		4.5	0.58	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.5	1.0	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
1,1-Dichloroethane	ND		4.5	0.55	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
1,1-Dichloroethene	ND		4.5	0.55	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
1,2,4-Trichlorobenzene	ND		4.5	0.27	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
1,2-Dibromo-3-Chloropropane	ND		4.5	2.2	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
1,2-Dichlorobenzene	ND		4.5	0.35	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
1,2-Dichloroethane	ND		4.5	0.23	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
1,2-Dichloropropane	ND		4.5	2.2	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
1,3-Dichlorobenzene	ND		4.5	0.23	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
1,4-Dichlorobenzene	ND		4.5	0.63	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
2-Butanone (MEK)	2.4	J	22	1.6	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
2-Hexanone	ND		22	2.2	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
4-Methyl-2-pentanone (MIBK)	ND		22	1.5	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Acetone	28		22	3.8	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Benzene	2.2	J	4.5	0.22	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Bromodichloromethane	ND		4.5	0.60	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Bromoform	ND		4.5	2.2	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Bromomethane	ND		4.5	0.40	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Carbon disulfide	ND		4.5	2.2	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Carbon tetrachloride	ND		4.5	0.43	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Chlorobenzene	ND		4.5	0.59	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Dibromochloromethane	ND		4.5	0.57	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Chloroethane	ND		4.5	1.0	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Chloroform	ND		4.5	0.28	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Chloromethane	ND		4.5	0.27	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
1,4-Dioxane	ND		90	20	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
cis-1,2-Dichloroethene	80		4.5	0.57	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
cis-1,3-Dichloropropene	ND		4.5	0.65	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Cyclohexane	3.9	J	4.5	0.63	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Dichlorodifluoromethane	ND		4.5	0.37	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Ethylbenzene	ND		4.5	0.31	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
1,2-Dibromoethane	ND		4.5	0.58	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Isopropylbenzene	ND		4.5	0.68	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Methyl acetate	ND		22	2.7	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Methyl tert-butyl ether	ND		4.5	0.44	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Methylcyclohexane	5.5		4.5	0.68	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Methylene Chloride	2.1	J B	4.5	2.1	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Styrene	ND		4.5	0.22	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Tetrachloroethene	1.7	J	4.5	0.60	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Toluene	3.2	J	4.5	0.34	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
trans-1,2-Dichloroethene	ND		4.5	0.46	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
trans-1,3-Dichloropropene	ND		4.5	2.0	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Trichloroethene	1200	E	4.5	0.99	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Trichlorofluoromethane	ND		4.5	0.42	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Vinyl chloride	ND		4.5	0.55	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1
Xylenes, Total	1.3	J	9.0	0.75	ug/Kg	☼	03/07/20 13:11	03/10/20 00:48	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R21

Lab Sample ID: 480-167131-7

Date Collected: 03/03/20 11:30

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 81.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		71 - 125	03/07/20 13:11	03/10/20 00:48	1
1,2-Dichloroethane-d4 (Surr)	103		64 - 126	03/07/20 13:11	03/10/20 00:48	1
4-Bromofluorobenzene (Surr)	99		72 - 126	03/07/20 13:11	03/10/20 00:48	1
Dibromofluoromethane (Surr)	99		60 - 140	03/07/20 13:11	03/10/20 00:48	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		110	30	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
1,1,1,2,2-Tetrachloroethane	ND		110	18	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
1,1,2-Trichloroethane	ND		110	23	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		110	55	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
1,1-Dichloroethane	ND		110	34	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
1,1-Dichloroethene	ND		110	38	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
1,2,4-Trichlorobenzene	ND		110	42	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
1,2-Dibromo-3-Chloropropane	ND		110	55	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
1,2-Dichlorobenzene	ND		110	28	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
1,2-Dichloroethane	ND		110	45	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
1,2-Dichloropropane	ND		110	18	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
1,3-Dichlorobenzene	ND		110	29	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
1,4-Dichlorobenzene	ND		110	15	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
2-Butanone (MEK)	ND		550	330	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
2-Hexanone	ND		550	220	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
4-Methyl-2-pentanone (MIBK)	ND		550	35	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Acetone	ND		550	450	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Benzene	ND		110	21	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Bromodichloromethane	ND		110	22	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Bromoform	ND		110	55	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Bromomethane	ND		110	24	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Carbon disulfide	ND		110	50	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Carbon tetrachloride	ND		110	28	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Chlorobenzene	ND		110	14	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Dibromochloromethane	ND		110	53	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Chloroethane	ND		110	23	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Chloroform	ND		110	75	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Chloromethane	ND		110	26	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
1,4-Dioxane	ND		2100	560	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
cis-1,2-Dichloroethene	290		110	30	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
cis-1,3-Dichloropropene	ND		110	26	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Cyclohexane	ND		110	24	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Dichlorodifluoromethane	ND		110	48	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Ethylbenzene	ND		110	32	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
1,2-Dibromoethane	ND		110	19	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Isopropylbenzene	ND		110	16	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Methyl acetate	ND		550	52	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Methyl tert-butyl ether	ND		110	41	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Methylcyclohexane	ND		110	51	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Methylene Chloride	ND		110	22	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Styrene	ND		110	26	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Tetrachloroethene	ND		110	15	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Toluene	ND		110	29	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R21

Lab Sample ID: 480-167131-7

Date Collected: 03/03/20 11:30

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 81.9

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		110	26	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
trans-1,3-Dichloropropene	ND		110	11	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Trichloroethene	4700		110	30	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Trichlorofluoromethane	ND		110	51	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Vinyl chloride	ND		110	37	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2
Xylenes, Total	ND		220	61	ug/Kg	☼	03/11/20 12:48	03/12/20 11:38	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		50 - 149	03/11/20 12:48	03/12/20 11:38	2
1,2-Dichloroethane-d4 (Surr)	93		53 - 146	03/11/20 12:48	03/12/20 11:38	2
4-Bromofluorobenzene (Surr)	106		49 - 148	03/11/20 12:48	03/12/20 11:38	2
Dibromofluoromethane (Surr)	92		60 - 140	03/11/20 12:48	03/12/20 11:38	2

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R30

Lab Sample ID: 480-167131-8

Date Collected: 03/04/20 09:00

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 85.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.2	0.30	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
1,1,2,2-Tetrachloroethane	ND		4.2	0.68	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
1,1,2-Trichloroethane	ND		4.2	0.54	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.2	0.95	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
1,1-Dichloroethane	ND		4.2	0.51	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
1,1-Dichloroethene	ND		4.2	0.51	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
1,2,4-Trichlorobenzene	ND		4.2	0.25	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
1,2-Dibromo-3-Chloropropane	ND		4.2	2.1	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
1,2-Dichlorobenzene	ND		4.2	0.33	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
1,2-Dichloroethane	ND		4.2	0.21	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
1,2-Dichloropropane	ND		4.2	2.1	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
1,3-Dichlorobenzene	ND		4.2	0.21	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
1,4-Dichlorobenzene	ND		4.2	0.58	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
2-Butanone (MEK)	2.9	J	21	1.5	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
2-Hexanone	ND		21	2.1	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
4-Methyl-2-pentanone (MIBK)	ND		21	1.4	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Acetone	26		21	3.5	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Benzene	1.7	J	4.2	0.20	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Bromodichloromethane	ND		4.2	0.56	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Bromoform	ND		4.2	2.1	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Bromomethane	ND		4.2	0.37	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Carbon disulfide	ND		4.2	2.1	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Carbon tetrachloride	ND		4.2	0.40	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Chlorobenzene	ND		4.2	0.55	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Dibromochloromethane	ND		4.2	0.53	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Chloroethane	ND		4.2	0.94	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Chloroform	ND		4.2	0.26	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Chloromethane	ND		4.2	0.25	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
1,4-Dioxane	ND		83	18	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
cis-1,2-Dichloroethene	ND		4.2	0.53	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
cis-1,3-Dichloropropene	ND		4.2	0.60	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Cyclohexane	2.3	J	4.2	0.58	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Dichlorodifluoromethane	ND		4.2	0.34	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Ethylbenzene	0.38	J	4.2	0.29	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
1,2-Dibromoethane	ND		4.2	0.53	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Isopropylbenzene	ND		4.2	0.63	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Methyl acetate	ND		21	2.5	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Methyl tert-butyl ether	ND		4.2	0.41	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Methylcyclohexane	3.0	J	4.2	0.63	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Methylene Chloride	ND		4.2	1.9	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Styrene	ND		4.2	0.21	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Tetrachloroethene	ND		4.2	0.56	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Toluene	3.1	J	4.2	0.31	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
trans-1,2-Dichloroethene	ND		4.2	0.43	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
trans-1,3-Dichloropropene	ND		4.2	1.8	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Trichloroethene	ND		4.2	0.92	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Trichlorofluoromethane	ND		4.2	0.39	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Vinyl chloride	ND		4.2	0.51	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1
Xylenes, Total	2.5	J	8.3	0.70	ug/Kg	☼	03/07/20 13:11	03/10/20 01:14	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R30

Lab Sample ID: 480-167131-8

Date Collected: 03/04/20 09:00

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 85.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		71 - 125	03/07/20 13:11	03/10/20 01:14	1
1,2-Dichloroethane-d4 (Surr)	104		64 - 126	03/07/20 13:11	03/10/20 01:14	1
4-Bromofluorobenzene (Surr)	101		72 - 126	03/07/20 13:11	03/10/20 01:14	1
Dibromofluoromethane (Surr)	97		60 - 140	03/07/20 13:11	03/10/20 01:14	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R36

Lab Sample ID: 480-167131-9

Date Collected: 03/04/20 10:15

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 79.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.8	0.35	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
1,1,2,2-Tetrachloroethane	ND		4.8	0.78	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
1,1,2-Trichloroethane	ND		4.8	0.63	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.1	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
1,1-Dichloroethane	ND		4.8	0.59	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
1,1-Dichloroethene	ND		4.8	0.59	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
1,2,4-Trichlorobenzene	ND		4.8	0.29	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
1,2-Dibromo-3-Chloropropane	ND		4.8	2.4	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
1,2-Dichlorobenzene	ND		4.8	0.38	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
1,2-Dichloroethane	ND		4.8	0.24	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
1,2-Dichloropropane	ND		4.8	2.4	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
1,3-Dichlorobenzene	ND		4.8	0.25	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
1,4-Dichlorobenzene	ND		4.8	0.68	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
2-Butanone (MEK)	ND		24	1.8	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
2-Hexanone	ND		24	2.4	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.6	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Acetone	13	J	24	4.1	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Benzene	0.29	J	4.8	0.24	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Bromodichloromethane	ND		4.8	0.65	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Bromoform	ND		4.8	2.4	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Bromomethane	ND		4.8	0.43	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Carbon disulfide	ND		4.8	2.4	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Carbon tetrachloride	ND		4.8	0.47	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Chlorobenzene	ND		4.8	0.64	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Dibromochloromethane	ND		4.8	0.62	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Chloroethane	ND		4.8	1.1	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Chloroform	ND		4.8	0.30	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Chloromethane	ND		4.8	0.29	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
1,4-Dioxane	ND		96	21	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
cis-1,2-Dichloroethene	ND		4.8	0.62	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
cis-1,3-Dichloropropene	ND		4.8	0.69	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Cyclohexane	ND		4.8	0.68	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Dichlorodifluoromethane	ND		4.8	0.40	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Ethylbenzene	ND		4.8	0.33	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
1,2-Dibromoethane	ND		4.8	0.62	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Isopropylbenzene	ND		4.8	0.73	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Methyl acetate	ND		24	2.9	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Methyl tert-butyl ether	ND		4.8	0.47	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Methylcyclohexane	ND		4.8	0.73	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Methylene Chloride	3.2	J B	4.8	2.2	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Styrene	ND		4.8	0.24	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Tetrachloroethene	ND		4.8	0.65	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Toluene	ND		4.8	0.36	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
trans-1,2-Dichloroethene	ND		4.8	0.50	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
trans-1,3-Dichloropropene	ND		4.8	2.1	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Trichloroethene	ND		4.8	1.1	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Trichlorofluoromethane	ND		4.8	0.46	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Vinyl chloride	ND		4.8	0.59	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1
Xylenes, Total	ND		9.6	0.81	ug/Kg	☼	03/07/20 13:11	03/10/20 01:39	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R36

Lab Sample ID: 480-167131-9

Date Collected: 03/04/20 10:15

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 79.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		71 - 125	03/07/20 13:11	03/10/20 01:39	1
1,2-Dichloroethane-d4 (Surr)	105		64 - 126	03/07/20 13:11	03/10/20 01:39	1
4-Bromofluorobenzene (Surr)	101		72 - 126	03/07/20 13:11	03/10/20 01:39	1
Dibromofluoromethane (Surr)	100		60 - 140	03/07/20 13:11	03/10/20 01:39	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R9

Lab Sample ID: 480-167131-10

Date Collected: 03/04/20 13:20

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 82.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.7	0.42	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
1,1,2,2-Tetrachloroethane	ND		5.7	0.93	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
1,1,2-Trichloroethane	ND		5.7	0.74	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	1.3	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
1,1-Dichloroethane	ND		5.7	0.70	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
1,1-Dichloroethene	ND		5.7	0.70	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
1,2,4-Trichlorobenzene	ND		5.7	0.35	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
1,2-Dibromo-3-Chloropropane	ND		5.7	2.9	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
1,2-Dichlorobenzene	ND		5.7	0.45	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
1,2-Dichloroethane	ND		5.7	0.29	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
1,2-Dichloropropane	ND		5.7	2.9	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
1,3-Dichlorobenzene	ND		5.7	0.29	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
1,4-Dichlorobenzene	ND		5.7	0.80	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
2-Butanone (MEK)	ND		29	2.1	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
2-Hexanone	ND		29	2.9	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
4-Methyl-2-pentanone (MIBK)	ND		29	1.9	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Acetone	35		29	4.8	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Benzene	ND		5.7	0.28	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Bromodichloromethane	ND		5.7	0.77	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Bromoform	ND		5.7	2.9	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Bromomethane	ND		5.7	0.51	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Carbon disulfide	ND		5.7	2.9	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Carbon tetrachloride	ND		5.7	0.55	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Chlorobenzene	ND		5.7	0.75	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Dibromochloromethane	ND		5.7	0.73	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Chloroethane	ND		5.7	1.3	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Chloroform	ND		5.7	0.35	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Chloromethane	ND		5.7	0.35	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
1,4-Dioxane	ND		110	25	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
cis-1,2-Dichloroethene	ND		5.7	0.73	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
cis-1,3-Dichloropropene	ND		5.7	0.82	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Cyclohexane	ND		5.7	0.80	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Dichlorodifluoromethane	ND		5.7	0.47	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Ethylbenzene	ND		5.7	0.39	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
1,2-Dibromoethane	ND		5.7	0.73	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Isopropylbenzene	ND		5.7	0.86	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Methyl acetate	ND		29	3.5	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Methyl tert-butyl ether	ND		5.7	0.56	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Methylcyclohexane	ND		5.7	0.87	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Methylene Chloride	5.9	B	5.7	2.6	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Styrene	ND		5.7	0.29	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Tetrachloroethene	ND		5.7	0.77	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Toluene	ND		5.7	0.43	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
trans-1,2-Dichloroethene	ND		5.7	0.59	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
trans-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Trichloroethene	ND		5.7	1.3	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Trichlorofluoromethane	ND		5.7	0.54	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Vinyl chloride	ND		5.7	0.70	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1
Xylenes, Total	ND		11	0.96	ug/Kg	☼	03/07/20 13:11	03/10/20 02:05	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R9

Date Collected: 03/04/20 13:20

Date Received: 03/07/20 13:00

Lab Sample ID: 480-167131-10

Matrix: Solid

Percent Solids: 82.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		71 - 125	03/07/20 13:11	03/10/20 02:05	1
1,2-Dichloroethane-d4 (Surr)	107		64 - 126	03/07/20 13:11	03/10/20 02:05	1
4-Bromofluorobenzene (Surr)	102		72 - 126	03/07/20 13:11	03/10/20 02:05	1
Dibromofluoromethane (Surr)	102		60 - 140	03/07/20 13:11	03/10/20 02:05	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R14

Lab Sample ID: 480-167131-11

Date Collected: 03/04/20 14:10

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 80.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.3	0.31	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
1,1,2,2-Tetrachloroethane	ND		4.3	0.70	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
1,1,2-Trichloroethane	ND		4.3	0.56	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.3	0.98	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
1,1-Dichloroethane	ND		4.3	0.52	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
1,1-Dichloroethene	ND		4.3	0.53	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
1,2,4-Trichlorobenzene	ND		4.3	0.26	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
1,2-Dibromo-3-Chloropropane	ND		4.3	2.1	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
1,2-Dichlorobenzene	ND		4.3	0.34	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
1,2-Dichloroethane	ND		4.3	0.22	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
1,2-Dichloropropane	ND		4.3	2.1	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
1,3-Dichlorobenzene	ND		4.3	0.22	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
1,4-Dichlorobenzene	ND		4.3	0.60	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
2-Butanone (MEK)	ND		21	1.6	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
2-Hexanone	ND		21	2.1	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
4-Methyl-2-pentanone (MIBK)	ND		21	1.4	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Acetone	16	J	21	3.6	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Benzene	0.33	J	4.3	0.21	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Bromodichloromethane	ND		4.3	0.58	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Bromoform	ND		4.3	2.1	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Bromomethane	ND		4.3	0.39	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Carbon disulfide	ND		4.3	2.1	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Carbon tetrachloride	ND		4.3	0.42	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Chlorobenzene	ND		4.3	0.57	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Dibromochloromethane	ND		4.3	0.55	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Chloroethane	ND		4.3	0.97	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Chloroform	ND		4.3	0.27	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Chloromethane	ND		4.3	0.26	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
1,4-Dioxane	ND		86	19	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
cis-1,2-Dichloroethene	ND		4.3	0.55	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
cis-1,3-Dichloropropene	ND		4.3	0.62	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Cyclohexane	ND		4.3	0.60	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Dichlorodifluoromethane	ND		4.3	0.35	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Ethylbenzene	ND		4.3	0.30	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
1,2-Dibromoethane	ND		4.3	0.55	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Isopropylbenzene	ND		4.3	0.65	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Methyl acetate	ND		21	2.6	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Methyl tert-butyl ether	ND		4.3	0.42	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Methylcyclohexane	ND		4.3	0.65	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Methylene Chloride	2.2	J B	4.3	2.0	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Styrene	ND		4.3	0.21	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Tetrachloroethene	ND		4.3	0.58	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Toluene	ND		4.3	0.32	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
trans-1,2-Dichloroethene	ND		4.3	0.44	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
trans-1,3-Dichloropropene	ND		4.3	1.9	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Trichloroethene	ND		4.3	0.94	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Trichlorofluoromethane	ND		4.3	0.41	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Vinyl chloride	ND		4.3	0.52	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1
Xylenes, Total	ND		8.6	0.72	ug/Kg	☼	03/07/20 13:11	03/10/20 02:30	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R14

Date Collected: 03/04/20 14:10

Date Received: 03/07/20 13:00

Lab Sample ID: 480-167131-11

Matrix: Solid

Percent Solids: 80.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		71 - 125	03/07/20 13:11	03/10/20 02:30	1
1,2-Dichloroethane-d4 (Surr)	103		64 - 126	03/07/20 13:11	03/10/20 02:30	1
4-Bromofluorobenzene (Surr)	101		72 - 126	03/07/20 13:11	03/10/20 02:30	1
Dibromofluoromethane (Surr)	100		60 - 140	03/07/20 13:11	03/10/20 02:30	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: DUP-01

Lab Sample ID: 480-167131-12

Date Collected: 03/03/20 00:00

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 89.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		390	110	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
1,1,2,2-Tetrachloroethane	ND		390	64	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
1,1,2-Trichloroethane	ND		390	82	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		390	200	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
1,1-Dichloroethane	ND		390	120	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
1,1-Dichloroethene	ND		390	140	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
1,2,4-Trichlorobenzene	ND		390	150	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
1,2-Dibromo-3-Chloropropane	ND		390	200	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
1,2-Dichlorobenzene	ND		390	100	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
1,2-Dichloroethane	ND		390	160	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
1,2-Dichloropropane	ND		390	64	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
1,3-Dichlorobenzene	ND		390	100	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
1,4-Dichlorobenzene	ND		390	55	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
2-Butanone (MEK)	ND		2000	1200	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
2-Hexanone	ND		2000	800	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
4-Methyl-2-pentanone (MIBK)	ND		2000	130	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Acetone	ND		2000	1600	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Benzene	ND		390	75	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Bromodichloromethane	ND		390	78	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Bromoform	ND		390	200	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Bromomethane	ND		390	86	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Carbon disulfide	ND		390	180	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Carbon tetrachloride	ND		390	100	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Chlorobenzene	ND		390	52	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Dibromochloromethane	ND		390	190	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Chloroethane	ND		390	82	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Chloroform	ND		390	270	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Chloromethane	ND		390	93	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
1,4-Dioxane	ND		7500	2000	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
cis-1,2-Dichloroethene	210	J	390	110	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
cis-1,3-Dichloropropene	ND		390	94	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Cyclohexane	ND		390	87	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Dichlorodifluoromethane	ND		390	170	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Ethylbenzene	ND		390	110	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
1,2-Dibromoethane	ND		390	69	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Isopropylbenzene	ND		390	59	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Methyl acetate	ND		2000	190	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Methyl tert-butyl ether	ND		390	150	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Methylcyclohexane	ND		390	180	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Methylene Chloride	ND		390	78	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Styrene	ND		390	95	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Tetrachloroethene	ND		390	53	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Toluene	ND		390	110	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
trans-1,2-Dichloroethene	ND		390	93	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
trans-1,3-Dichloropropene	ND		390	39	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Trichloroethene	13000		390	110	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Trichlorofluoromethane	ND		390	180	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Vinyl chloride	ND		390	130	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8
Xylenes, Total	ND		780	220	ug/Kg	☼	03/11/20 12:48	03/12/20 12:01	8

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: DUP-01

Date Collected: 03/03/20 00:00

Date Received: 03/07/20 13:00

Lab Sample ID: 480-167131-12

Matrix: Solid

Percent Solids: 89.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		50 - 149	03/11/20 12:48	03/12/20 12:01	8
1,2-Dichloroethane-d4 (Surr)	95		53 - 146	03/11/20 12:48	03/12/20 12:01	8
4-Bromofluorobenzene (Surr)	102		49 - 148	03/11/20 12:48	03/12/20 12:01	8
Dibromofluoromethane (Surr)	95		60 - 140	03/11/20 12:48	03/12/20 12:01	8

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R15

Lab Sample ID: 480-167131-13

Date Collected: 03/04/20 15:15

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 72.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.8	0.49	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
1,1,2,2-Tetrachloroethane	ND		6.8	1.1	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
1,1,2-Trichloroethane	ND		6.8	0.88	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.8	1.5	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
1,1-Dichloroethane	ND		6.8	0.83	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
1,1-Dichloroethene	ND		6.8	0.83	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
1,2,4-Trichlorobenzene	ND		6.8	0.41	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
1,2-Dibromo-3-Chloropropane	ND		6.8	3.4	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
1,2-Dichlorobenzene	ND		6.8	0.53	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
1,2-Dichloroethane	ND		6.8	0.34	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
1,2-Dichloropropane	ND		6.8	3.4	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
1,3-Dichlorobenzene	ND		6.8	0.35	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
1,4-Dichlorobenzene	ND		6.8	0.95	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
2-Butanone (MEK)	16	J	34	2.5	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
2-Hexanone	ND		34	3.4	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
4-Methyl-2-pentanone (MIBK)	ND		34	2.2	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Acetone	110		34	5.7	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Benzene	0.36	J	6.8	0.33	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Bromodichloromethane	ND		6.8	0.91	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Bromoform	ND		6.8	3.4	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Bromomethane	ND		6.8	0.61	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Carbon disulfide	ND		6.8	3.4	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Carbon tetrachloride	ND		6.8	0.66	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Chlorobenzene	ND		6.8	0.89	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Dibromochloromethane	ND		6.8	0.87	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Chloroethane	ND		6.8	1.5	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Chloroform	ND		6.8	0.42	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Chloromethane	ND		6.8	0.41	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
1,4-Dioxane	ND		140	30	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
cis-1,2-Dichloroethene	ND		6.8	0.87	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
cis-1,3-Dichloropropene	ND		6.8	0.98	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Cyclohexane	ND		6.8	0.95	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Dichlorodifluoromethane	ND		6.8	0.56	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Ethylbenzene	ND		6.8	0.47	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
1,2-Dibromoethane	ND		6.8	0.87	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Isopropylbenzene	ND		6.8	1.0	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Methyl acetate	ND		34	4.1	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Methyl tert-butyl ether	ND		6.8	0.67	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Methylcyclohexane	ND		6.8	1.0	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Methylene Chloride	ND		6.8	3.1	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Styrene	ND		6.8	0.34	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Tetrachloroethene	ND		6.8	0.91	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Toluene	0.70	J	6.8	0.51	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
trans-1,2-Dichloroethene	ND		6.8	0.70	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
trans-1,3-Dichloropropene	ND		6.8	3.0	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Trichloroethene	ND		6.8	1.5	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Trichlorofluoromethane	ND		6.8	0.64	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Vinyl chloride	ND		6.8	0.83	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1
Xylenes, Total	ND		14	1.1	ug/Kg	☼	03/07/20 13:11	03/10/20 02:56	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R15

Date Collected: 03/04/20 15:15

Date Received: 03/07/20 13:00

Lab Sample ID: 480-167131-13

Matrix: Solid

Percent Solids: 72.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		71 - 125	03/07/20 13:11	03/10/20 02:56	1
1,2-Dichloroethane-d4 (Surr)	106		64 - 126	03/07/20 13:11	03/10/20 02:56	1
4-Bromofluorobenzene (Surr)	97		72 - 126	03/07/20 13:11	03/10/20 02:56	1
Dibromofluoromethane (Surr)	101		60 - 140	03/07/20 13:11	03/10/20 02:56	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-17

Lab Sample ID: 480-167131-14

Date Collected: 03/05/20 10:40

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 91.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		180	49	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
1,1,2,2-Tetrachloroethane	ND		180	28	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
1,1,2-Trichloroethane	ND		180	37	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		180	88	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
1,1-Dichloroethane	ND		180	54	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
1,1-Dichloroethene	ND		180	61	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
1,2,4-Trichlorobenzene	ND		180	66	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
1,2-Dibromo-3-Chloropropane	ND		180	88	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
1,2-Dichlorobenzene	ND		180	45	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
1,2-Dichloroethane	ND		180	72	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
1,2-Dichloropropane	ND		180	28	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
1,3-Dichlorobenzene	ND		180	47	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
1,4-Dichlorobenzene	ND		180	25	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
2-Butanone (MEK)	ND		880	520	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
2-Hexanone	ND		880	360	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
4-Methyl-2-pentanone (MIBK)	ND		880	56	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Acetone	ND		880	720	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Benzene	ND		180	33	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Bromodichloromethane	ND		180	35	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Bromoform	ND		180	88	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Bromomethane	ND		180	39	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Carbon disulfide	ND		180	80	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Carbon tetrachloride	ND		180	45	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Chlorobenzene	ND		180	23	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Dibromochloromethane	ND		180	85	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Chloroethane	ND		180	36	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Chloroform	ND		180	120	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Chloromethane	ND		180	42	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
1,4-Dioxane	ND		3300	890	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
cis-1,2-Dichloroethene	180		180	48	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
cis-1,3-Dichloropropene	ND		180	42	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Cyclohexane	ND		180	39	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Dichlorodifluoromethane	ND		180	76	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Ethylbenzene	ND		180	51	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
1,2-Dibromoethane	ND		180	31	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Isopropylbenzene	ND		180	26	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Methyl acetate	ND		880	83	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Methyl tert-butyl ether	ND		180	66	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Methylcyclohexane	ND		180	82	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Methylene Chloride	ND		180	35	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Styrene	ND		180	42	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Tetrachloroethene	ND		180	24	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Toluene	ND		180	47	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
trans-1,2-Dichloroethene	ND		180	41	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
trans-1,3-Dichloropropene	ND		180	17	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Trichloroethene	9700		180	49	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Trichlorofluoromethane	ND		180	82	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Vinyl chloride	ND		180	59	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4
Xylenes, Total	ND		350	97	ug/Kg	☼	03/11/20 12:48	03/12/20 12:24	4

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-17

Date Collected: 03/05/20 10:40

Date Received: 03/07/20 13:00

Lab Sample ID: 480-167131-14

Matrix: Solid

Percent Solids: 91.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		50 - 149	03/11/20 12:48	03/12/20 12:24	4
1,2-Dichloroethane-d4 (Surr)	95		53 - 146	03/11/20 12:48	03/12/20 12:24	4
4-Bromofluorobenzene (Surr)	103		49 - 148	03/11/20 12:48	03/12/20 12:24	4
Dibromofluoromethane (Surr)	94		60 - 140	03/11/20 12:48	03/12/20 12:24	4

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R7

Lab Sample ID: 480-167131-15

Date Collected: 03/05/20 12:20

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 81.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.6	0.33	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
1,1,2,2-Tetrachloroethane	ND		4.6	0.75	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
1,1,2-Trichloroethane	ND		4.6	0.60	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	1.0	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
1,1-Dichloroethane	ND		4.6	0.56	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
1,1-Dichloroethene	2.2	J	4.6	0.56	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
1,2,4-Trichlorobenzene	ND		4.6	0.28	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
1,2-Dibromo-3-Chloropropane	ND		4.6	2.3	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
1,2-Dichlorobenzene	ND		4.6	0.36	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
1,2-Dichloroethane	ND		4.6	0.23	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
1,2-Dichloropropane	ND		4.6	2.3	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
1,3-Dichlorobenzene	ND		4.6	0.24	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
1,4-Dichlorobenzene	ND		4.6	0.64	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
2-Butanone (MEK)	ND		23	1.7	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
2-Hexanone	ND		23	2.3	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
4-Methyl-2-pentanone (MIBK)	ND		23	1.5	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Acetone	29		23	3.9	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Benzene	2.1	J	4.6	0.23	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Bromodichloromethane	ND		4.6	0.62	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Bromoform	ND		4.6	2.3	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Bromomethane	ND		4.6	0.41	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Carbon disulfide	ND		4.6	2.3	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Carbon tetrachloride	ND		4.6	0.45	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Chlorobenzene	ND		4.6	0.61	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Dibromochloromethane	ND		4.6	0.59	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Chloroethane	ND		4.6	1.0	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Chloroform	ND		4.6	0.28	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Chloromethane	ND		4.6	0.28	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
1,4-Dioxane	ND		92	20	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
cis-1,2-Dichloroethene	310	E	4.6	0.59	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
cis-1,3-Dichloropropene	ND		4.6	0.66	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Cyclohexane	4.3	J	4.6	0.64	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Dichlorodifluoromethane	ND		4.6	0.38	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Ethylbenzene	0.32	J	4.6	0.32	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
1,2-Dibromoethane	ND		4.6	0.59	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Isopropylbenzene	ND		4.6	0.69	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Methyl acetate	ND		23	2.8	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Methyl tert-butyl ether	ND		4.6	0.45	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Methylcyclohexane	5.6		4.6	0.70	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Methylene Chloride	2.1	J B	4.6	2.1	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Styrene	ND		4.6	0.23	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Tetrachloroethene	ND		4.6	0.62	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Toluene	2.9	J	4.6	0.35	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
trans-1,2-Dichloroethene	8.7		4.6	0.48	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
trans-1,3-Dichloropropene	ND		4.6	2.0	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Trichloroethene	53		4.6	1.0	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Trichlorofluoromethane	ND		4.6	0.44	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Vinyl chloride	ND		4.6	0.56	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1
Xylenes, Total	1.4	J	9.2	0.77	ug/Kg	☼	03/07/20 13:11	03/10/20 03:21	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R7

Lab Sample ID: 480-167131-15

Date Collected: 03/05/20 12:20

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 81.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		71 - 125	03/07/20 13:11	03/10/20 03:21	1
1,2-Dichloroethane-d4 (Surr)	105		64 - 126	03/07/20 13:11	03/10/20 03:21	1
4-Bromofluorobenzene (Surr)	99		72 - 126	03/07/20 13:11	03/10/20 03:21	1
Dibromofluoromethane (Surr)	99		60 - 140	03/07/20 13:11	03/10/20 03:21	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		60	17	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
1,1,2,2-Tetrachloroethane	ND		60	9.8	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
1,1,2-Trichloroethane	ND		60	13	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		60	30	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
1,1-Dichloroethane	ND		60	19	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
1,1-Dichloroethene	ND		60	21	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
1,2,4-Trichlorobenzene	ND		60	23	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
1,2-Dibromo-3-Chloropropane	ND		60	30	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
1,2-Dichlorobenzene	ND		60	15	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
1,2-Dichloroethane	ND		60	25	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
1,2-Dichloropropane	ND		60	9.7	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
1,3-Dichlorobenzene	ND		60	16	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
1,4-Dichlorobenzene	ND		60	8.4	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
2-Butanone (MEK)	ND		300	180	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
2-Hexanone	ND		300	120	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
4-Methyl-2-pentanone (MIBK)	ND		300	19	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Acetone	ND		300	250	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Benzene	ND		60	11	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Bromodichloromethane	ND		60	12	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Bromoform	ND		60	30	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Bromomethane	ND		60	13	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Carbon disulfide	ND		60	27	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Carbon tetrachloride	ND		60	15	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Chlorobenzene	ND		60	7.9	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Dibromochloromethane	ND		60	29	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Chloroethane	ND		60	13	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Chloroform	ND		60	41	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Chloromethane	ND		60	14	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
1,4-Dioxane	ND		1100	310	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
cis-1,2-Dichloroethene	620		60	17	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
cis-1,3-Dichloropropene	ND		60	14	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Cyclohexane	ND		60	13	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Dichlorodifluoromethane	ND		60	26	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Ethylbenzene	ND		60	18	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
1,2-Dibromoethane	ND		60	11	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Isopropylbenzene	ND		60	9.0	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Methyl acetate	ND		300	29	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Methyl tert-butyl ether	ND		60	23	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Methylcyclohexane	ND		60	28	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Methylene Chloride	ND		60	12	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Styrene	ND		60	14	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Tetrachloroethene	ND		60	8.1	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Toluene	110		60	16	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R7

Lab Sample ID: 480-167131-15

Date Collected: 03/05/20 12:20

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 81.9

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	19	J	60	14	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
trans-1,3-Dichloropropene	ND		60	5.9	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Trichloroethene	670		60	17	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Trichlorofluoromethane	ND		60	28	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Vinyl chloride	ND		60	20	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1
Xylenes, Total	ND		120	33	ug/Kg	☼	03/11/20 12:48	03/12/20 12:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		50 - 149	03/11/20 12:48	03/12/20 12:47	1
1,2-Dichloroethane-d4 (Surr)	92		53 - 146	03/11/20 12:48	03/12/20 12:47	1
4-Bromofluorobenzene (Surr)	102		49 - 148	03/11/20 12:48	03/12/20 12:47	1
Dibromofluoromethane (Surr)	88		60 - 140	03/11/20 12:48	03/12/20 12:47	1

Method: 310.13 - Identification of Routine Petroleum Products

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		8.1	8.1	mg/Kg	☼	03/09/20 14:58	03/10/20 08:02	1
Kerosene	ND		20	20	mg/Kg	☼	03/09/20 14:58	03/10/20 08:02	1
Motor Oil	ND		41	41	mg/Kg	☼	03/09/20 14:58	03/10/20 08:02	1
Fuel Oil #2	20		20	20	mg/Kg	☼	03/09/20 14:58	03/10/20 08:02	1
Fuel Oil #4	ND		20	20	mg/Kg	☼	03/09/20 14:58	03/10/20 08:02	1
Fuel Oil #6	ND		20	20	mg/Kg	☼	03/09/20 14:58	03/10/20 08:02	1
Unknown Hydrocarbons	ND		20	20	mg/Kg	☼	03/09/20 14:58	03/10/20 08:02	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.042	mg/Kg	☼	03/09/20 07:41	03/10/20 16:15	1
PCB-1221	ND		0.21	0.042	mg/Kg	☼	03/09/20 07:41	03/10/20 16:15	1
PCB-1232	ND		0.21	0.042	mg/Kg	☼	03/09/20 07:41	03/10/20 16:15	1
PCB-1242	ND		0.21	0.042	mg/Kg	☼	03/09/20 07:41	03/10/20 16:15	1
PCB-1248	ND		0.21	0.042	mg/Kg	☼	03/09/20 07:41	03/10/20 16:15	1
PCB-1254	ND		0.21	0.10	mg/Kg	☼	03/09/20 07:41	03/10/20 16:15	1
PCB-1260	ND		0.21	0.10	mg/Kg	☼	03/09/20 07:41	03/10/20 16:15	1
PCB-1262	ND		0.21	0.10	mg/Kg	☼	03/09/20 07:41	03/10/20 16:15	1
PCB-1268	ND		0.21	0.10	mg/Kg	☼	03/09/20 07:41	03/10/20 16:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	112		60 - 154	03/09/20 07:41	03/10/20 16:15	1
Tetrachloro-m-xylene	107		60 - 154	03/09/20 07:41	03/10/20 16:15	1
DCB Decachlorobiphenyl	91		65 - 174	03/09/20 07:41	03/10/20 16:15	1
DCB Decachlorobiphenyl	110		65 - 174	03/09/20 07:41	03/10/20 16:15	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: DUP-02

Lab Sample ID: 480-167131-16

Date Collected: 03/05/20 00:00

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 80.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		60	16	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
1,1,2,2-Tetrachloroethane	ND		60	9.7	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
1,1,2-Trichloroethane	ND		60	12	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		60	30	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
1,1-Dichloroethane	ND		60	18	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
1,1-Dichloroethene	ND		60	21	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
1,2,4-Trichlorobenzene	ND		60	23	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
1,2-Dibromo-3-Chloropropane	ND		60	30	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
1,2-Dichlorobenzene	ND		60	15	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
1,2-Dichloroethane	ND		60	24	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
1,2-Dichloropropane	ND		60	9.6	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
1,3-Dichlorobenzene	ND		60	16	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
1,4-Dichlorobenzene	ND		60	8.3	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
2-Butanone (MEK)	ND		300	180	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
2-Hexanone	ND		300	120	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
4-Methyl-2-pentanone (MIBK)	ND		300	19	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Acetone	ND		300	240	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Benzene	ND		60	11	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Bromodichloromethane	ND		60	12	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Bromoform	ND		60	30	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Bromomethane	ND		60	13	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Carbon disulfide	ND		60	27	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Carbon tetrachloride	ND		60	15	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Chlorobenzene	ND		60	7.9	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Dibromochloromethane	ND		60	29	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Chloroethane	ND		60	12	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Chloroform	ND		60	41	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Chloromethane	ND		60	14	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
1,4-Dioxane	ND		1100	300	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
cis-1,2-Dichloroethene	780		60	16	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
cis-1,3-Dichloropropene	ND		60	14	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Cyclohexane	ND		60	13	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Dichlorodifluoromethane	ND		60	26	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Ethylbenzene	ND		60	17	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
1,2-Dibromoethane	ND		60	10	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Isopropylbenzene	ND		60	8.9	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Methyl acetate	ND		300	28	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Methyl tert-butyl ether	ND		60	22	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Methylcyclohexane	ND		60	28	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Methylene Chloride	ND		60	12	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Styrene	ND		60	14	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Tetrachloroethene	ND		60	8.0	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Toluene	ND		60	16	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
trans-1,2-Dichloroethene	19 J		60	14	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
trans-1,3-Dichloropropene	ND		60	5.8	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Trichloroethene	2100		60	17	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Trichlorofluoromethane	ND		60	28	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Vinyl chloride	ND		60	20	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1
Xylenes, Total	ND		120	33	ug/Kg	☼	03/11/20 12:48	03/12/20 13:10	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: DUP-02

Lab Sample ID: 480-167131-16

Date Collected: 03/05/20 00:00

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 80.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		50 - 149	03/11/20 12:48	03/12/20 13:10	1
1,2-Dichloroethane-d4 (Surr)	96		53 - 146	03/11/20 12:48	03/12/20 13:10	1
4-Bromofluorobenzene (Surr)	101		49 - 148	03/11/20 12:48	03/12/20 13:10	1
Dibromofluoromethane (Surr)	93		60 - 140	03/11/20 12:48	03/12/20 13:10	1

Method: 310.13 - Identification of Routine Petroleum Products

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		8.1	8.1	mg/Kg	☼	03/09/20 14:58	03/10/20 08:38	1
Kerosene	ND		20	20	mg/Kg	☼	03/09/20 14:58	03/10/20 08:38	1
Motor Oil	ND		40	40	mg/Kg	☼	03/09/20 14:58	03/10/20 08:38	1
Fuel Oil #2	11		0.30	0.30	mg/Kg	☼	03/09/20 14:58	03/10/20 08:38	1
Fuel Oil #4	ND		20	20	mg/Kg	☼	03/09/20 14:58	03/10/20 08:38	1
Fuel Oil #6	ND		20	20	mg/Kg	☼	03/09/20 14:58	03/10/20 08:38	1
Unknown Hydrocarbons	ND		20	20	mg/Kg	☼	03/09/20 14:58	03/10/20 08:38	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.30	0.059	mg/Kg	☼	03/09/20 07:41	03/10/20 19:27	1
PCB-1221	ND		0.30	0.059	mg/Kg	☼	03/09/20 07:41	03/10/20 19:27	1
PCB-1232	ND		0.30	0.059	mg/Kg	☼	03/09/20 07:41	03/10/20 19:27	1
PCB-1242	ND		0.30	0.059	mg/Kg	☼	03/09/20 07:41	03/10/20 19:27	1
PCB-1248	ND		0.30	0.059	mg/Kg	☼	03/09/20 07:41	03/10/20 19:27	1
PCB-1254	ND		0.30	0.14	mg/Kg	☼	03/09/20 07:41	03/10/20 19:27	1
PCB-1260	ND		0.30	0.14	mg/Kg	☼	03/09/20 07:41	03/10/20 19:27	1
PCB-1262	ND		0.30	0.14	mg/Kg	☼	03/09/20 07:41	03/10/20 19:27	1
PCB-1268	ND		0.30	0.14	mg/Kg	☼	03/09/20 07:41	03/10/20 19:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	121		60 - 154	03/09/20 07:41	03/10/20 19:27	1
Tetrachloro-m-xylene	113		60 - 154	03/09/20 07:41	03/10/20 19:27	1
DCB Decachlorobiphenyl	98		65 - 174	03/09/20 07:41	03/10/20 19:27	1
DCB Decachlorobiphenyl	122		65 - 174	03/09/20 07:41	03/10/20 19:27	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R6

Lab Sample ID: 480-167131-17

Date Collected: 03/05/20 13:20

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 88.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		45	12	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
1,1,2,2-Tetrachloroethane	ND		45	7.3	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
1,1,2-Trichloroethane	ND		45	9.4	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		45	22	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
1,1-Dichloroethane	ND		45	14	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
1,1-Dichloroethene	ND		45	16	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
1,2,4-Trichlorobenzene	ND		45	17	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
1,2-Dibromo-3-Chloropropane	ND		45	22	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
1,2-Dichlorobenzene	ND		45	11	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
1,2-Dichloroethane	ND		45	18	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
1,2-Dichloropropane	ND		45	7.3	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
1,3-Dichlorobenzene	ND		45	12	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
1,4-Dichlorobenzene	ND		45	6.3	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
2-Butanone (MEK)	ND		220	130	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
2-Hexanone	ND		220	92	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
4-Methyl-2-pentanone (MIBK)	ND		220	14	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Acetone	ND		220	180	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Benzene	ND		45	8.5	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Bromodichloromethane	ND		45	9.0	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Bromoform	ND		45	22	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Bromomethane	ND		45	9.9	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Carbon disulfide	ND		45	20	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Carbon tetrachloride	ND		45	11	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Chlorobenzene	ND		45	5.9	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Dibromochloromethane	ND		45	22	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Chloroethane	ND		45	9.4	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Chloroform	ND		45	31	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Chloromethane	ND		45	11	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
1,4-Dioxane	ND		850	230	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
cis-1,2-Dichloroethene	ND		45	12	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
cis-1,3-Dichloropropene	ND		45	11	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Cyclohexane	ND		45	10	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Dichlorodifluoromethane	ND		45	20	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Ethylbenzene	ND		45	13	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
1,2-Dibromoethane	ND		45	7.9	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Isopropylbenzene	ND		45	6.7	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Methyl acetate	87	J	220	21	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Methyl tert-butyl ether	ND		45	17	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Methylcyclohexane	ND		45	21	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Methylene Chloride	ND		45	8.9	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Styrene	ND		45	11	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Tetrachloroethene	ND		45	6.0	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Toluene	17	J	45	12	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
trans-1,2-Dichloroethene	ND		45	11	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
trans-1,3-Dichloropropene	ND		45	4.4	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Trichloroethene	ND		45	12	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Trichlorofluoromethane	ND		45	21	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Vinyl chloride	ND		45	15	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1
Xylenes, Total	ND		90	25	ug/Kg	☼	03/11/20 12:48	03/12/20 16:37	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R6

Date Collected: 03/05/20 13:20

Date Received: 03/07/20 13:00

Lab Sample ID: 480-167131-17

Matrix: Solid

Percent Solids: 88.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		50 - 149	03/11/20 12:48	03/12/20 16:37	1
1,2-Dichloroethane-d4 (Surr)	94		53 - 146	03/11/20 12:48	03/12/20 16:37	1
4-Bromofluorobenzene (Surr)	100		49 - 148	03/11/20 12:48	03/12/20 16:37	1
Dibromofluoromethane (Surr)	92		60 - 140	03/11/20 12:48	03/12/20 16:37	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R10

Lab Sample ID: 480-167131-18

Date Collected: 03/05/20 14:00

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 82.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.1	0.30	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
1,1,2,2-Tetrachloroethane	ND		4.1	0.67	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
1,1,2-Trichloroethane	ND		4.1	0.54	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.1	0.94	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
1,1-Dichloroethane	ND		4.1	0.50	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
1,1-Dichloroethene	ND		4.1	0.50	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
1,2,4-Trichlorobenzene	ND		4.1	0.25	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
1,2-Dibromo-3-Chloropropane	ND		4.1	2.1	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
1,2-Dichlorobenzene	ND		4.1	0.32	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
1,2-Dichloroethane	ND		4.1	0.21	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
1,2-Dichloropropane	ND		4.1	2.1	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
1,3-Dichlorobenzene	ND		4.1	0.21	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
1,4-Dichlorobenzene	ND		4.1	0.58	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
2-Butanone (MEK)	ND		21	1.5	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
2-Hexanone	ND		21	2.1	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
4-Methyl-2-pentanone (MIBK)	ND		21	1.3	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Acetone	8.3	J	21	3.5	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Benzene	2.9	J	4.1	0.20	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Bromodichloromethane	ND		4.1	0.55	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Bromoform	ND		4.1	2.1	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Bromomethane	ND		4.1	0.37	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Carbon disulfide	ND		4.1	2.1	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Carbon tetrachloride	ND		4.1	0.40	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Chlorobenzene	ND		4.1	0.54	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Dibromochloromethane	ND		4.1	0.53	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Chloroethane	ND		4.1	0.93	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Chloroform	ND		4.1	0.25	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Chloromethane	ND		4.1	0.25	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
1,4-Dioxane	ND		82	18	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
cis-1,2-Dichloroethene	2.1	J	4.1	0.53	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
cis-1,3-Dichloropropene	ND		4.1	0.59	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Cyclohexane	4.4		4.1	0.58	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Dichlorodifluoromethane	ND		4.1	0.34	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Ethylbenzene	0.64	J	4.1	0.28	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
1,2-Dibromoethane	ND		4.1	0.53	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Isopropylbenzene	ND		4.1	0.62	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Methyl acetate	ND		21	2.5	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Methyl tert-butyl ether	ND		4.1	0.40	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Methylcyclohexane	7.4		4.1	0.63	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Methylene Chloride	ND		4.1	1.9	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Styrene	ND		4.1	0.21	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Tetrachloroethene	ND		4.1	0.55	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Toluene	5.3		4.1	0.31	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
trans-1,2-Dichloroethene	ND		4.1	0.42	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
trans-1,3-Dichloropropene	ND		4.1	1.8	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Trichloroethene	58		4.1	0.91	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Trichlorofluoromethane	ND		4.1	0.39	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Vinyl chloride	ND		4.1	0.50	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1
Xylenes, Total	4.4	J	8.2	0.69	ug/Kg	☼	03/07/20 13:13	03/10/20 14:36	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R10

Lab Sample ID: 480-167131-18

Date Collected: 03/05/20 14:00

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 82.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		71 - 125	03/07/20 13:13	03/10/20 14:36	1
1,2-Dichloroethane-d4 (Surr)	114		64 - 126	03/07/20 13:13	03/10/20 14:36	1
4-Bromofluorobenzene (Surr)	97		72 - 126	03/07/20 13:13	03/10/20 14:36	1
Dibromofluoromethane (Surr)	106		60 - 140	03/07/20 13:13	03/10/20 14:36	1

Method: 310.13 - Identification of Routine Petroleum Products

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		8.0	8.0	mg/Kg	✱	03/09/20 14:58	03/10/20 09:13	1
Kerosene	ND		20	20	mg/Kg	✱	03/09/20 14:58	03/10/20 09:13	1
Motor Oil	310		40	40	mg/Kg	✱	03/09/20 14:58	03/10/20 09:13	1
Fuel Oil #2	ND		20	20	mg/Kg	✱	03/09/20 14:58	03/10/20 09:13	1
Fuel Oil #4	ND		20	20	mg/Kg	✱	03/09/20 14:58	03/10/20 09:13	1
Fuel Oil #6	ND		20	20	mg/Kg	✱	03/09/20 14:58	03/10/20 09:13	1
Unknown Hydrocarbons	ND		20	20	mg/Kg	✱	03/09/20 14:58	03/10/20 09:13	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.046	mg/Kg	✱	03/09/20 07:43	03/10/20 19:40	1
PCB-1221	ND		0.24	0.046	mg/Kg	✱	03/09/20 07:43	03/10/20 19:40	1
PCB-1232	ND		0.24	0.046	mg/Kg	✱	03/09/20 07:43	03/10/20 19:40	1
PCB-1242	ND		0.24	0.046	mg/Kg	✱	03/09/20 07:43	03/10/20 19:40	1
PCB-1248	ND		0.24	0.046	mg/Kg	✱	03/09/20 07:43	03/10/20 19:40	1
PCB-1254	ND		0.24	0.11	mg/Kg	✱	03/09/20 07:43	03/10/20 19:40	1
PCB-1260	0.15 J		0.24	0.11	mg/Kg	✱	03/09/20 07:43	03/10/20 19:40	1
PCB-1262	ND		0.24	0.11	mg/Kg	✱	03/09/20 07:43	03/10/20 19:40	1
PCB-1268	ND		0.24	0.11	mg/Kg	✱	03/09/20 07:43	03/10/20 19:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	119		60 - 154	03/09/20 07:43	03/10/20 19:40	1
Tetrachloro-m-xylene	101		60 - 154	03/09/20 07:43	03/10/20 19:40	1
DCB Decachlorobiphenyl	104		65 - 174	03/09/20 07:43	03/10/20 19:40	1
DCB Decachlorobiphenyl	126		65 - 174	03/09/20 07:43	03/10/20 19:40	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R27

Lab Sample ID: 480-167131-19

Date Collected: 03/05/20 00:00

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 81.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		8.3	0.60	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
1,1,2,2-Tetrachloroethane	ND		8.3	1.3	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
1,1,2-Trichloroethane	ND		8.3	1.1	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.3	1.9	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
1,1-Dichloroethane	ND		8.3	1.0	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
1,1-Dichloroethene	ND		8.3	1.0	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
1,2,4-Trichlorobenzene	ND		8.3	0.50	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
1,2-Dibromo-3-Chloropropane	ND		8.3	4.1	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
1,2-Dichlorobenzene	ND		8.3	0.65	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
1,2-Dichloroethane	ND		8.3	0.42	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
1,2-Dichloropropane	ND		8.3	4.1	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
1,3-Dichlorobenzene	ND		8.3	0.43	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
1,4-Dichlorobenzene	ND		8.3	1.2	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
2-Butanone (MEK)	ND		41	3.0	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
2-Hexanone	ND		41	4.1	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
4-Methyl-2-pentanone (MIBK)	ND		41	2.7	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Acetone	26	J	41	7.0	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Benzene	ND		8.3	0.41	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Bromodichloromethane	ND		8.3	1.1	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Bromoform	ND		8.3	4.1	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Bromomethane	ND		8.3	0.75	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Carbon disulfide	ND		8.3	4.1	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Carbon tetrachloride	ND		8.3	0.80	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Chlorobenzene	ND		8.3	1.1	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Dibromochloromethane	ND		8.3	1.1	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Chloroethane	ND		8.3	1.9	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Chloroform	ND		8.3	0.51	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Chloromethane	ND		8.3	0.50	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
1,4-Dioxane	ND		170	36	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
cis-1,2-Dichloroethene	ND		8.3	1.1	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
cis-1,3-Dichloropropene	ND		8.3	1.2	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Cyclohexane	ND		8.3	1.2	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Dichlorodifluoromethane	ND		8.3	0.68	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Ethylbenzene	ND		8.3	0.57	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
1,2-Dibromoethane	ND		8.3	1.1	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Isopropylbenzene	ND		8.3	1.2	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Methyl acetate	ND		41	5.0	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Methyl tert-butyl ether	ND		8.3	0.81	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Methylcyclohexane	ND		8.3	1.3	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Methylene Chloride	7.1	J B	8.3	3.8	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Styrene	ND		8.3	0.41	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Tetrachloroethene	ND		8.3	1.1	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Toluene	ND		8.3	0.63	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
trans-1,2-Dichloroethene	ND		8.3	0.85	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
trans-1,3-Dichloropropene	ND		8.3	3.6	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Trichloroethene	ND		8.3	1.8	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Trichlorofluoromethane	ND		8.3	0.78	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Vinyl chloride	ND		8.3	1.0	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1
Xylenes, Total	ND		17	1.4	ug/Kg	☼	03/07/20 13:11	03/10/20 04:37	1

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Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R27

Date Collected: 03/05/20 00:00

Date Received: 03/07/20 13:00

Lab Sample ID: 480-167131-19

Matrix: Solid

Percent Solids: 81.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		71 - 125	03/07/20 13:11	03/10/20 04:37	1
1,2-Dichloroethane-d4 (Surr)	106		64 - 126	03/07/20 13:11	03/10/20 04:37	1
4-Bromofluorobenzene (Surr)	101		72 - 126	03/07/20 13:11	03/10/20 04:37	1
Dibromofluoromethane (Surr)	100		60 - 140	03/07/20 13:11	03/10/20 04:37	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R22

Lab Sample ID: 480-167131-20

Date Collected: 03/05/20 00:00

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 86.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.7	0.27	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
1,1,2,2-Tetrachloroethane	ND		3.7	0.60	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
1,1,2-Trichloroethane	ND		3.7	0.48	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.7	0.84	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
1,1-Dichloroethane	ND		3.7	0.45	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
1,1-Dichloroethene	ND		3.7	0.45	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
1,2,4-Trichlorobenzene	ND		3.7	0.22	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
1,2-Dibromo-3-Chloropropane	ND		3.7	1.9	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
1,2-Dichlorobenzene	ND		3.7	0.29	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
1,2-Dichloroethane	ND		3.7	0.19	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
1,2-Dichloropropane	ND		3.7	1.9	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
1,3-Dichlorobenzene	ND		3.7	0.19	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
1,4-Dichlorobenzene	ND		3.7	0.52	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
2-Butanone (MEK)	ND		19	1.4	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
2-Hexanone	ND		19	1.9	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
4-Methyl-2-pentanone (MIBK)	ND		19	1.2	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Acetone	31		19	3.1	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Benzene	ND		3.7	0.18	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Bromodichloromethane	ND		3.7	0.50	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Bromoform	ND		3.7	1.9	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Bromomethane	ND		3.7	0.33	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Carbon disulfide	ND		3.7	1.9	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Carbon tetrachloride	ND		3.7	0.36	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Chlorobenzene	ND		3.7	0.49	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Dibromochloromethane	ND		3.7	0.47	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Chloroethane	ND		3.7	0.84	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Chloroform	ND		3.7	0.23	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Chloromethane	ND		3.7	0.22	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
1,4-Dioxane	ND		74	16	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
cis-1,2-Dichloroethene	ND		3.7	0.47	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
cis-1,3-Dichloropropene	ND		3.7	0.53	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Cyclohexane	ND		3.7	0.52	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Dichlorodifluoromethane	ND		3.7	0.31	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Ethylbenzene	ND		3.7	0.26	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
1,2-Dibromoethane	ND		3.7	0.48	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Isopropylbenzene	ND		3.7	0.56	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Methyl acetate	ND		19	2.2	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Methyl tert-butyl ether	ND		3.7	0.36	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Methylcyclohexane	ND		3.7	0.56	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Methylene Chloride	2.8	J B	3.7	1.7	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Styrene	ND		3.7	0.19	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Tetrachloroethene	ND		3.7	0.50	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Toluene	ND		3.7	0.28	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
trans-1,2-Dichloroethene	ND		3.7	0.38	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
trans-1,3-Dichloropropene	ND		3.7	1.6	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Trichloroethene	ND		3.7	0.81	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Trichlorofluoromethane	ND		3.7	0.35	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Vinyl chloride	ND		3.7	0.45	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1
Xylenes, Total	ND		7.4	0.62	ug/Kg	☼	03/07/20 13:11	03/10/20 05:03	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R22

Lab Sample ID: 480-167131-20

Date Collected: 03/05/20 00:00

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 86.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		71 - 125	03/07/20 13:11	03/10/20 05:03	1
1,2-Dichloroethane-d4 (Surr)	107		64 - 126	03/07/20 13:11	03/10/20 05:03	1
4-Bromofluorobenzene (Surr)	100		72 - 126	03/07/20 13:11	03/10/20 05:03	1
Dibromofluoromethane (Surr)	103		60 - 140	03/07/20 13:11	03/10/20 05:03	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (71-125)	DCA (64-126)	BFB (72-126)	DBFM (60-140)
480-167131-1	SB-R33	97	102	100	97
480-167131-1 MS	SB-R33	98	95	102	99
480-167131-1 MSD	SB-R33	98	95	103	99
480-167131-2	SB-R35	97	106	101	97
480-167131-4	SB-R12	100	103	96	98
480-167131-6	SB-R18	100	106	97	101
480-167131-6 MS	SB-R18	99	96	100	99
480-167131-6 MSD	SB-R18	98	99	100	102
480-167131-7	SB-R21	98	103	99	99
480-167131-8	SB-R30	96	104	101	97
480-167131-9	SB-R36	97	105	101	100
480-167131-10	SB-R9	97	107	102	102
480-167131-11	SB-R14	97	103	101	100
480-167131-13	SB-R15	100	106	97	101
480-167131-15	SB-R7	98	105	99	99
480-167131-18	SB-R10	97	114	97	106
480-167131-19	SB-R27	96	106	101	100
480-167131-20	SB-R22	98	107	100	103
LCS 480-520593/1-A	Lab Control Sample	98	96	104	98
LCS 480-520778/1-A	Lab Control Sample	99	101	101	101
LCSD 480-520778/2-A	Lab Control Sample Dup	99	104	104	105
MB 480-520593/2-A	Method Blank	97	98	101	99
MB 480-520778/3-A	Method Blank	97	104	99	102

Surrogate Legend

TOL = Toluene-d8 (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (50-149)	DCA (53-146)	BFB (49-148)	DBFM (60-140)
480-167131-3	SB-R13	101	99	103	94
480-167131-4 - DL	SB-R12	100	95	102	92
480-167131-5	SB-R17	99	92	101	89
480-167131-6 - DL	SB-R18	103	94	107	91
480-167131-6 MS - DL	SB-R18	100	96	103	92
480-167131-6 MSD - DL	SB-R18	99	95	99	96
480-167131-7 - DL	SB-R21	100	93	106	92
480-167131-12	DUP-01	100	95	102	95
480-167131-14	SB-17	98	95	103	94
480-167131-15 - DL	SB-R7	100	92	102	88
480-167131-16	DUP-02	98	96	101	93
480-167131-17	SB-R6	101	94	100	92
LCS 480-520981/1-A	Lab Control Sample	99	89	102	94
MB 480-520981/2-A	Method Blank	100	95	103	91

Eurofins TestAmerica, Buffalo

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1	TCX2	DCBP1	DCBP2
		(60-154)	(60-154)	(65-174)	(65-174)
480-167131-15	SB-R7	107	112	110	91
480-167131-15 MS	SB-R7	127	135	129	102
480-167131-15 MSD	SB-R7	118	141	133	110
480-167131-16	DUP-02	113	121	122	98
480-167131-18	SB-R10	101	119	126	104
LCS 480-520487/2-A	Lab Control Sample	143	154	150	124
MB 480-520487/1-A	Method Blank	101	115	103	97

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-520593/2-A

Matrix: Solid

Analysis Batch: 520657

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 520593

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
2-Hexanone	ND		25	2.5	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Acetone	ND		25	4.2	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Benzene	ND		5.0	0.25	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Bromoform	ND		5.0	2.5	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Bromomethane	ND		5.0	0.45	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Chloroethane	ND		5.0	1.1	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Chloroform	ND		5.0	0.31	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Chloromethane	ND		5.0	0.30	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
1,4-Dioxane	ND		100	22	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Cyclohexane	ND		5.0	0.70	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Methyl acetate	ND		25	3.0	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Methylene Chloride	2.35	J	5.0	2.3	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Styrene	ND		5.0	0.25	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Toluene	ND		5.0	0.38	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Trichloroethene	ND		5.0	1.1	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		03/09/20 13:21	03/09/20 22:24	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		03/09/20 13:21	03/09/20 22:24	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-520593/2-A

Matrix: Solid

Analysis Batch: 520657

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 520593

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		10	0.84	ug/Kg		03/09/20 13:21	03/09/20 22:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		71 - 125	03/09/20 13:21	03/09/20 22:24	1
1,2-Dichloroethane-d4 (Surr)	98		64 - 126	03/09/20 13:21	03/09/20 22:24	1
4-Bromofluorobenzene (Surr)	101		72 - 126	03/09/20 13:21	03/09/20 22:24	1
Dibromofluoromethane (Surr)	99		60 - 140	03/09/20 13:21	03/09/20 22:24	1

Lab Sample ID: LCS 480-520593/1-A

Matrix: Solid

Analysis Batch: 520657

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 520593

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	48.9		ug/Kg		98	77 - 121
1,1,2,2-Tetrachloroethane	50.0	52.1		ug/Kg		104	80 - 120
1,1,2-Trichloroethane	50.0	51.7		ug/Kg		103	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.3		ug/Kg		99	60 - 140
1,1-Dichloroethane	50.0	52.5		ug/Kg		105	73 - 126
1,1-Dichloroethene	50.0	50.4		ug/Kg		101	59 - 125
1,2,4-Trichlorobenzene	50.0	50.9		ug/Kg		102	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	50.9		ug/Kg		102	63 - 124
1,2-Dichlorobenzene	50.0	49.3		ug/Kg		99	75 - 120
1,2-Dichloroethane	50.0	47.3		ug/Kg		95	77 - 122
1,2-Dichloropropane	50.0	54.9		ug/Kg		110	75 - 124
1,3-Dichlorobenzene	50.0	49.2		ug/Kg		98	74 - 120
1,4-Dichlorobenzene	50.0	49.1		ug/Kg		98	73 - 120
2-Butanone (MEK)	250	293		ug/Kg		117	70 - 134
2-Hexanone	250	288		ug/Kg		115	59 - 130
4-Methyl-2-pentanone (MIBK)	250	278		ug/Kg		111	65 - 133
Acetone	250	270		ug/Kg		108	61 - 137
Benzene	50.0	52.8		ug/Kg		106	79 - 127
Bromodichloromethane	50.0	54.1		ug/Kg		108	80 - 122
Bromoform	50.0	57.4		ug/Kg		115	68 - 126
Bromomethane	50.0	44.6		ug/Kg		89	37 - 149
Carbon disulfide	50.0	52.0		ug/Kg		104	64 - 131
Carbon tetrachloride	50.0	49.9		ug/Kg		100	75 - 135
Chlorobenzene	50.0	50.1		ug/Kg		100	76 - 124
Dibromochloromethane	50.0	53.2		ug/Kg		106	76 - 125
Chloroethane	50.0	46.5		ug/Kg		93	69 - 135
Chloroform	50.0	50.5		ug/Kg		101	80 - 120
Chloromethane	50.0	39.3		ug/Kg		79	63 - 127
1,4-Dioxane	1000	1110		ug/Kg		111	64 - 124
cis-1,2-Dichloroethene	50.0	52.7		ug/Kg		105	81 - 120
cis-1,3-Dichloropropene	50.0	56.8		ug/Kg		114	80 - 120
Cyclohexane	50.0	52.8		ug/Kg		106	65 - 120
Dichlorodifluoromethane	50.0	33.5		ug/Kg		67	57 - 142
Ethylbenzene	50.0	50.8		ug/Kg		102	80 - 120
1,2-Dibromoethane	50.0	52.3		ug/Kg		105	78 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-520593/1-A

Matrix: Solid

Analysis Batch: 520657

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 520593

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	50.0	49.2		ug/Kg		98	72 - 120
Methyl acetate	100	115		ug/Kg		115	55 - 136
Methyl tert-butyl ether	50.0	51.9		ug/Kg		104	63 - 125
Methylcyclohexane	50.0	53.1		ug/Kg		106	60 - 140
Methylene Chloride	50.0	50.2		ug/Kg		100	61 - 127
Styrene	50.0	54.2		ug/Kg		108	80 - 120
Tetrachloroethene	50.0	50.3		ug/Kg		101	74 - 122
Toluene	50.0	49.9		ug/Kg		100	74 - 128
trans-1,2-Dichloroethene	50.0	52.0		ug/Kg		104	78 - 126
trans-1,3-Dichloropropene	50.0	53.5		ug/Kg		107	73 - 123
Trichloroethene	50.0	52.0		ug/Kg		104	77 - 129
Trichlorofluoromethane	50.0	50.5		ug/Kg		101	65 - 146
Vinyl chloride	50.0	39.6		ug/Kg		79	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	98		71 - 125
1,2-Dichloroethane-d4 (Surr)	96		64 - 126
4-Bromofluorobenzene (Surr)	104		72 - 126
Dibromofluoromethane (Surr)	98		60 - 140

Lab Sample ID: 480-167131-1 MS

Matrix: Solid

Analysis Batch: 520657

Client Sample ID: SB-R33

Prep Type: Total/NA

Prep Batch: 520593

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		44.0	37.1		ug/Kg	✱	84	77 - 121
1,1,2,2-Tetrachloroethane	ND		44.0	41.4		ug/Kg	✱	94	80 - 120
1,1,2-Trichloroethane	ND		44.0	41.7		ug/Kg	✱	95	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		44.0	36.7		ug/Kg	✱	84	60 - 140
1,1-Dichloroethane	ND		44.0	41.0		ug/Kg	✱	93	73 - 126
1,1-Dichloroethene	ND		44.0	36.8		ug/Kg	✱	84	59 - 125
1,2,4-Trichlorobenzene	ND F1		44.0	23.9 F1		ug/Kg	✱	54	64 - 120
1,2-Dibromo-3-Chloropropane	ND		44.0	35.4		ug/Kg	✱	80	63 - 124
1,2-Dichlorobenzene	ND F1		44.0	33.3		ug/Kg	✱	76	75 - 120
1,2-Dichloroethane	ND		44.0	38.6		ug/Kg	✱	88	77 - 122
1,2-Dichloropropane	ND		44.0	44.9		ug/Kg	✱	102	75 - 124
1,3-Dichlorobenzene	ND		44.0	34.0		ug/Kg	✱	77	74 - 120
1,4-Dichlorobenzene	ND		44.0	33.7		ug/Kg	✱	77	73 - 120
2-Butanone (MEK)	ND		220	201		ug/Kg	✱	91	70 - 134
2-Hexanone	ND		220	210		ug/Kg	✱	95	59 - 130
4-Methyl-2-pentanone (MIBK)	ND		220	206		ug/Kg	✱	94	65 - 133
Acetone	19 J		220	167		ug/Kg	✱	67	61 - 137
Benzene	2.7 J		44.0	44.4		ug/Kg	✱	95	79 - 127
Bromodichloromethane	ND		44.0	43.6		ug/Kg	✱	99	80 - 122
Bromoform	ND		44.0	41.0		ug/Kg	✱	93	68 - 126
Bromomethane	ND		44.0	33.2		ug/Kg	✱	75	37 - 149
Carbon disulfide	ND		44.0	37.0		ug/Kg	✱	84	64 - 131
Carbon tetrachloride	ND		44.0	37.1		ug/Kg	✱	84	75 - 135

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-167131-1 MS

Matrix: Solid

Analysis Batch: 520657

Client Sample ID: SB-R33

Prep Type: Total/NA

Prep Batch: 520593

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	ND		44.0	38.0		ug/Kg	✱	86	76 - 124
Dibromochloromethane	ND		44.0	41.5		ug/Kg	✱	94	76 - 125
Chloroethane	ND		44.0	32.5		ug/Kg	✱	74	69 - 135
Chloroform	ND		44.0	39.9		ug/Kg	✱	91	80 - 120
Chloromethane	ND		44.0	28.6		ug/Kg	✱	65	63 - 127
1,4-Dioxane	ND		879	782		ug/Kg	✱	89	64 - 124
cis-1,2-Dichloroethene	ND		44.0	40.9		ug/Kg	✱	93	80 - 120
cis-1,3-Dichloropropene	ND		44.0	44.6		ug/Kg	✱	101	80 - 120
Cyclohexane	ND		44.0	42.9		ug/Kg	✱	98	65 - 120
Dichlorodifluoromethane	ND	F1	44.0	22.5	F1	ug/Kg	✱	51	57 - 142
Ethylbenzene	1.1	J	44.0	38.2		ug/Kg	✱	84	80 - 120
1,2-Dibromoethane	ND		44.0	40.5		ug/Kg	✱	92	78 - 120
Isopropylbenzene	ND		44.0	37.1		ug/Kg	✱	84	72 - 120
Methyl acetate	ND		87.9	78.5		ug/Kg	✱	89	55 - 136
Methyl tert-butyl ether	ND		44.0	42.0		ug/Kg	✱	96	63 - 125
Methylcyclohexane	5.8		44.0	42.6		ug/Kg	✱	84	60 - 140
Methylene Chloride	3.5	J B	44.0	39.2		ug/Kg	✱	81	61 - 127
Styrene	ND		44.0	39.5		ug/Kg	✱	90	80 - 120
Tetrachloroethene	ND		44.0	36.1		ug/Kg	✱	82	74 - 122
Toluene	6.6		44.0	43.8		ug/Kg	✱	85	74 - 128
trans-1,2-Dichloroethene	ND		44.0	39.6		ug/Kg	✱	90	78 - 126
trans-1,3-Dichloropropene	ND		44.0	40.4		ug/Kg	✱	92	73 - 123
Trichloroethene	ND		44.0	40.0		ug/Kg	✱	91	77 - 129
Trichlorofluoromethane	ND		44.0	33.8		ug/Kg	✱	77	65 - 146
Vinyl chloride	ND		44.0	29.2		ug/Kg	✱	67	61 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	98		71 - 125
1,2-Dichloroethane-d4 (Surr)	95		64 - 126
4-Bromofluorobenzene (Surr)	102		72 - 126
Dibromofluoromethane (Surr)	99		60 - 140

Lab Sample ID: 480-167131-1 MSD

Matrix: Solid

Analysis Batch: 520657

Client Sample ID: SB-R33

Prep Type: Total/NA

Prep Batch: 520593

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,1,1-Trichloroethane	ND		48.4	41.3		ug/Kg	✱	85	77 - 121	11	30
1,1,1,2-Tetrachloroethane	ND		48.4	44.5		ug/Kg	✱	92	80 - 120	7	30
1,1,1,2-Trichloroethane	ND		48.4	44.8		ug/Kg	✱	92	78 - 122	7	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		48.4	41.5		ug/Kg	✱	86	60 - 140	12	30
1,1-Dichloroethane	ND		48.4	45.1		ug/Kg	✱	93	73 - 126	10	30
1,1-Dichloroethene	ND		48.4	41.1		ug/Kg	✱	85	59 - 125	11	30
1,2,4-Trichlorobenzene	ND	F1	48.4	27.4	F1	ug/Kg	✱	57	64 - 120	14	30
1,2-Dibromo-3-Chloropropane	ND		48.4	37.5		ug/Kg	✱	77	63 - 124	6	30
1,2-Dichlorobenzene	ND	F1	48.4	35.5	F1	ug/Kg	✱	73	75 - 120	6	30
1,2-Dichloroethane	ND		48.4	41.4		ug/Kg	✱	85	77 - 122	7	30
1,2-Dichloropropane	ND		48.4	48.4		ug/Kg	✱	100	75 - 124	7	30

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-167131-1 MSD

Matrix: Solid

Analysis Batch: 520657

Client Sample ID: SB-R33

Prep Type: Total/NA

Prep Batch: 520593

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3-Dichlorobenzene	ND		48.4	36.3		ug/Kg	✱	75	74 - 120	7	30
1,4-Dichlorobenzene	ND		48.4	35.8		ug/Kg	✱	74	73 - 120	6	30
2-Butanone (MEK)	ND		242	213		ug/Kg	✱	88	70 - 134	6	30
2-Hexanone	ND		242	225		ug/Kg	✱	93	59 - 130	7	30
4-Methyl-2-pentanone (MIBK)	ND		242	222		ug/Kg	✱	92	65 - 133	7	30
Acetone	19	J	242	181		ug/Kg	✱	67	61 - 137	8	30
Benzene	2.7	J	48.4	49.0		ug/Kg	✱	96	79 - 127	10	30
Bromodichloromethane	ND		48.4	46.9		ug/Kg	✱	97	80 - 122	7	30
Bromoform	ND		48.4	44.1		ug/Kg	✱	91	68 - 126	7	30
Bromomethane	ND		48.4	36.4		ug/Kg	✱	75	37 - 149	9	30
Carbon disulfide	ND		48.4	40.2		ug/Kg	✱	83	64 - 131	8	30
Carbon tetrachloride	ND		48.4	41.5		ug/Kg	✱	86	75 - 135	11	30
Chlorobenzene	ND		48.4	40.9		ug/Kg	✱	84	76 - 124	7	30
Dibromochloromethane	ND		48.4	44.2		ug/Kg	✱	91	76 - 125	6	30
Chloroethane	ND		48.4	36.3		ug/Kg	✱	75	69 - 135	11	30
Chloroform	ND		48.4	43.4		ug/Kg	✱	90	80 - 120	8	30
Chloromethane	ND		48.4	32.0		ug/Kg	✱	66	63 - 127	11	30
1,4-Dioxane	ND		969	853		ug/Kg	✱	88	64 - 124	9	30
cis-1,2-Dichloroethene	ND		48.4	45.0		ug/Kg	✱	93	80 - 120	10	30
cis-1,3-Dichloropropene	ND		48.4	47.8		ug/Kg	✱	99	80 - 120	7	30
Cyclohexane	ND		48.4	48.3		ug/Kg	✱	100	65 - 120	12	30
Dichlorodifluoromethane	ND	F1	48.4	29.4		ug/Kg	✱	61	57 - 142	26	30
Ethylbenzene	1.1	J	48.4	41.6		ug/Kg	✱	84	80 - 120	8	30
1,2-Dibromoethane	ND		48.4	43.9		ug/Kg	✱	91	78 - 120	8	30
Isopropylbenzene	ND		48.4	40.3		ug/Kg	✱	83	72 - 120	8	30
Methyl acetate	ND		96.9	82.3		ug/Kg	✱	85	55 - 136	5	30
Methyl tert-butyl ether	ND		48.4	44.9		ug/Kg	✱	93	63 - 125	7	30
Methylcyclohexane	5.8		48.4	48.6		ug/Kg	✱	88	60 - 140	13	30
Methylene Chloride	3.5	J B	48.4	42.5		ug/Kg	✱	81	61 - 127	8	30
Styrene	ND		48.4	42.6		ug/Kg	✱	88	80 - 120	8	30
Tetrachloroethene	ND		48.4	39.5		ug/Kg	✱	82	74 - 122	9	30
Toluene	6.6		48.4	47.7		ug/Kg	✱	85	74 - 128	8	30
trans-1,2-Dichloroethene	ND		48.4	43.3		ug/Kg	✱	89	78 - 126	9	30
trans-1,3-Dichloropropene	ND		48.4	43.3		ug/Kg	✱	89	73 - 123	7	30
Trichloroethene	ND		48.4	44.0		ug/Kg	✱	91	77 - 129	9	30
Trichlorofluoromethane	ND		48.4	38.4		ug/Kg	✱	79	65 - 146	13	30
Vinyl chloride	ND		48.4	32.1		ug/Kg	✱	66	61 - 133	9	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	98		71 - 125
1,2-Dichloroethane-d4 (Surr)	95		64 - 126
4-Bromofluorobenzene (Surr)	103		72 - 126
Dibromofluoromethane (Surr)	99		60 - 140

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-167131-6 MS

Matrix: Solid

Analysis Batch: 520657

Client Sample ID: SB-R18

Prep Type: Total/NA

Prep Batch: 520593

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND	F1	45.7	32.0	F1	ug/Kg	✱	70	77 - 121
1,1,1,2,2-Tetrachloroethane	ND	F1	45.7	37.5		ug/Kg	✱	82	80 - 120
1,1,2-Trichloroethane	ND	F1	45.7	35.6		ug/Kg	✱	78	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		45.7	30.1		ug/Kg	✱	66	60 - 140
1,1-Dichloroethane	ND		45.7	36.1		ug/Kg	✱	79	73 - 126
1,1-Dichloroethene	0.47	J	45.7	33.3		ug/Kg	✱	72	59 - 125
1,2,4-Trichlorobenzene	ND	F1	45.7	7.73	F1	ug/Kg	✱	17	64 - 120
1,2-Dibromo-3-Chloropropane	ND	F1	45.7	26.0	F1	ug/Kg	✱	57	63 - 124
1,2-Dichlorobenzene	ND	F1	45.7	18.0	F1	ug/Kg	✱	39	75 - 120
1,2-Dichloroethane	ND	F1	45.7	34.4	F1	ug/Kg	✱	75	77 - 122
1,2-Dichloropropane	ND		45.7	38.3		ug/Kg	✱	84	75 - 124
1,3-Dichlorobenzene	ND	F1	45.7	17.2	F1	ug/Kg	✱	38	74 - 120
1,4-Dichlorobenzene	ND	F1	45.7	16.9	F1	ug/Kg	✱	37	73 - 120
2-Butanone (MEK)	ND		229	182		ug/Kg	✱	79	70 - 134
2-Hexanone	ND		229	186		ug/Kg	✱	81	59 - 130
4-Methyl-2-pentanone (MIBK)	ND		229	198		ug/Kg	✱	86	65 - 133
Acetone	9.3	J	229	166		ug/Kg	✱	69	61 - 137
Benzene	ND		45.7	36.8		ug/Kg	✱	80	79 - 127
Bromodichloromethane	ND	F1	45.7	36.2	F1	ug/Kg	✱	79	80 - 122
Bromoform	ND	F1	45.7	28.8	F1	ug/Kg	✱	63	68 - 126
Bromomethane	ND		45.7	30.8		ug/Kg	✱	67	37 - 149
Carbon disulfide	ND		45.7	30.2		ug/Kg	✱	66	64 - 131
Carbon tetrachloride	ND	F1	45.7	29.4	F1	ug/Kg	✱	64	75 - 135
Chlorobenzene	ND	F1	45.7	25.6	F1	ug/Kg	✱	56	76 - 124
Dibromochloromethane	ND	F1	45.7	32.8	F1	ug/Kg	✱	72	76 - 125
Chloroethane	ND	F1	45.7	30.5	F1	ug/Kg	✱	67	69 - 135
Chloroform	ND	F1	45.7	35.2	F1	ug/Kg	✱	77	80 - 120
Chloromethane	ND	F1	45.7	26.2	F1	ug/Kg	✱	57	63 - 127
1,4-Dioxane	ND		915	750		ug/Kg	✱	82	64 - 124
cis-1,2-Dichloroethene	310	E	45.7	1010	E 4	ug/Kg	✱	1524	80 - 120
cis-1,3-Dichloropropene	ND	F1	45.7	34.9	F1	ug/Kg	✱	76	80 - 120
Cyclohexane	0.33	J	45.7	31.2		ug/Kg	✱	67	65 - 120
Dichlorodifluoromethane	ND	F1 F2	45.7	24.3	F1	ug/Kg	✱	53	57 - 142
Ethylbenzene	0.15	J F1	45.7	25.6	F1	ug/Kg	✱	56	80 - 120
1,2-Dibromoethane	ND	F1	45.7	32.3	F1	ug/Kg	✱	71	78 - 120
Isopropylbenzene	ND	F1	45.7	25.9	F1	ug/Kg	✱	57	72 - 120
Methyl acetate	ND		91.5	75.9		ug/Kg	✱	83	55 - 136
Methyl tert-butyl ether	ND		45.7	40.2		ug/Kg	✱	88	63 - 125
Methylcyclohexane	ND	F1	45.7	25.1	F1	ug/Kg	✱	55	60 - 140
Methylene Chloride	1.2	J B	45.7	36.2		ug/Kg	✱	76	61 - 127
Styrene	ND	F1	45.7	24.3	F1	ug/Kg	✱	53	80 - 120
Tetrachloroethene	ND	F1	45.7	23.0	F1	ug/Kg	✱	50	74 - 122
Toluene	0.43	J F1	45.7	31.4	F1	ug/Kg	✱	68	74 - 128
trans-1,2-Dichloroethene	3.8		45.7	49.7		ug/Kg	✱	100	78 - 126
trans-1,3-Dichloropropene	ND	F1	45.7	31.1	F1	ug/Kg	✱	68	73 - 123
Trichloroethene	16	F1 F2	45.7	37.1	F1	ug/Kg	✱	47	77 - 129
Trichlorofluoromethane	ND		45.7	29.6		ug/Kg	✱	65	65 - 146
Vinyl chloride	ND	F1	45.7	27.2	F1	ug/Kg	✱	60	61 - 133

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	99		71 - 125
1,2-Dichloroethane-d4 (Surr)	96		64 - 126
4-Bromofluorobenzene (Surr)	100		72 - 126
Dibromofluoromethane (Surr)	99		60 - 140

Lab Sample ID: 480-167131-6 MSD
Matrix: Solid
Analysis Batch: 520657

Client Sample ID: SB-R18
Prep Type: Total/NA
Prep Batch: 520593

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND	F1	36.7	27.3	F1	ug/Kg	☼	74	77 - 121	16	30
1,1,1,2,2-Tetrachloroethane	ND	F1	36.7	27.6	F1	ug/Kg	☼	75	80 - 120	30	30
1,1,1,2-Trichloroethane	ND	F1	36.7	28.3	F1	ug/Kg	☼	77	78 - 122	23	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		36.7	26.3		ug/Kg	☼	72	60 - 140	13	30
1,1-Dichloroethane	ND		36.7	29.9		ug/Kg	☼	81	73 - 126	19	30
1,1-Dichloroethene	0.47	J	36.7	29.8		ug/Kg	☼	80	59 - 125	11	30
1,2,4-Trichlorobenzene	ND	F1	36.7	8.29	F1	ug/Kg	☼	23	64 - 120	7	30
1,2-Dibromo-3-Chloropropane	ND	F1	36.7	21.1	F1	ug/Kg	☼	57	63 - 124	21	30
1,2-Dichlorobenzene	ND	F1	36.7	16.7	F1	ug/Kg	☼	45	75 - 120	8	30
1,2-Dichloroethane	ND	F1	36.7	28.3		ug/Kg	☼	77	77 - 122	20	30
1,2-Dichloropropane	ND		36.7	32.3		ug/Kg	☼	88	75 - 124	17	30
1,3-Dichlorobenzene	ND	F1	36.7	16.1	F1	ug/Kg	☼	44	74 - 120	7	30
1,4-Dichlorobenzene	ND	F1	36.7	16.0	F1	ug/Kg	☼	44	73 - 120	6	30
2-Butanone (MEK)	ND		184	140		ug/Kg	☼	76	70 - 134	26	30
2-Hexanone	ND		184	143		ug/Kg	☼	78	59 - 130	26	30
4-Methyl-2-pentanone (MIBK)	ND		184	149		ug/Kg	☼	81	65 - 133	28	30
Acetone	9.3	J	184	129		ug/Kg	☼	65	61 - 137	25	30
Benzene	ND		36.7	31.0		ug/Kg	☼	84	79 - 127	17	30
Bromodichloromethane	ND	F1	36.7	30.5		ug/Kg	☼	83	80 - 122	17	30
Bromoform	ND	F1	36.7	23.9	F1	ug/Kg	☼	65	68 - 126	19	30
Bromomethane	ND		36.7	26.3		ug/Kg	☼	72	37 - 149	16	30
Carbon disulfide	ND		36.7	26.3		ug/Kg	☼	72	64 - 131	14	30
Carbon tetrachloride	ND	F1	36.7	26.2	F1	ug/Kg	☼	71	75 - 135	11	30
Chlorobenzene	ND	F1	36.7	22.4	F1	ug/Kg	☼	61	76 - 124	14	30
Dibromochloromethane	ND	F1	36.7	26.6	F1	ug/Kg	☼	72	76 - 125	21	30
Chloroethane	ND	F1	36.7	25.7		ug/Kg	☼	70	69 - 135	17	30
Chloroform	ND	F1	36.7	29.1	F1	ug/Kg	☼	79	80 - 120	19	30
Chloromethane	ND	F1	36.7	20.7	F1	ug/Kg	☼	56	63 - 127	23	30
1,4-Dioxane	ND		735	571		ug/Kg	☼	78	64 - 124	27	30
cis-1,2-Dichloroethene	310	E	36.7	1060	E 4	ug/Kg	☼	2037	80 - 120	5	30
cis-1,3-Dichloropropene	ND	F1	36.7	29.9		ug/Kg	☼	81	80 - 120	15	30
Cyclohexane	0.33	J	36.7	28.6		ug/Kg	☼	77	65 - 120	9	30
Dichlorodifluoromethane	ND	F1 F2	36.7	17.6	F1 F4	ug/Kg	☼	48	57 - 142	32	30
Ethylbenzene	0.15	J F1	36.7	23.4	F1	ug/Kg	☼	63	80 - 120	9	30
1,2-Dibromoethane	ND	F1	36.7	26.2	F1	ug/Kg	☼	71	78 - 120	21	30
Isopropylbenzene	ND	F1	36.7	23.1	F1	ug/Kg	☼	63	72 - 120	11	30
Methyl acetate	ND		73.5	55.9		ug/Kg	☼	76	55 - 136	30	30
Methyl tert-butyl ether	ND		36.7	32.5		ug/Kg	☼	89	63 - 125	21	30
Methylcyclohexane	ND	F1	36.7	25.0		ug/Kg	☼	68	60 - 140	1	30
Methylene Chloride	1.2	J B	36.7	29.4		ug/Kg	☼	77	61 - 127	21	30
Styrene	ND	F1	36.7	21.7	F1	ug/Kg	☼	59	80 - 120	11	30

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-167131-6 MSD

Matrix: Solid

Analysis Batch: 520657

Client Sample ID: SB-R18

Prep Type: Total/NA

Prep Batch: 520593

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tetrachloroethene	ND	F1	36.7	22.5	F1	ug/Kg	✱	61	74 - 122	2	30
Toluene	0.43	J F1	36.7	26.4	F1	ug/Kg	✱	71	74 - 128	18	30
trans-1,2-Dichloroethene	3.8		36.7	42.1		ug/Kg	✱	104	78 - 126	16	30
trans-1,3-Dichloropropene	ND	F1	36.7	25.6	F1	ug/Kg	✱	70	73 - 123	19	30
Trichloroethene	16	F1 F2	36.7	141	F1 F4	ug/Kg	✱	342	77 - 129	117	30
Trichlorofluoromethane	ND		36.7	25.2		ug/Kg	✱	69	65 - 146	16	30
Vinyl chloride	ND	F1	36.7	22.0	F1	ug/Kg	✱	60	61 - 133	21	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Toluene-d8 (Surr)	98		71 - 125								
1,2-Dichloroethane-d4 (Surr)	99		64 - 126								
4-Bromofluorobenzene (Surr)	100		72 - 126								
Dibromofluoromethane (Surr)	102		60 - 140								

Lab Sample ID: MB 480-520778/3-A

Matrix: Solid

Analysis Batch: 520701

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 520778

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
2-Hexanone	ND		25	2.5	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Acetone	ND		25	4.2	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Benzene	ND		5.0	0.25	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Bromoform	ND		5.0	2.5	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Bromomethane	ND		5.0	0.45	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Chloroethane	ND		5.0	1.1	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Chloroform	ND		5.0	0.31	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Chloromethane	ND		5.0	0.30	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
1,4-Dioxane	ND		100	22	ug/Kg		03/10/20 10:00	03/10/20 12:34	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-520778/3-A

Matrix: Solid

Analysis Batch: 520701

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 520778

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Cyclohexane	ND		5.0	0.70	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Methyl acetate	ND		25	3.0	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Styrene	ND		5.0	0.25	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Toluene	ND		5.0	0.38	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Trichloroethene	ND		5.0	1.1	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		03/10/20 10:00	03/10/20 12:34	1
Xylenes, Total	ND		10	0.84	ug/Kg		03/10/20 10:00	03/10/20 12:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		71 - 125	03/10/20 10:00	03/10/20 12:34	1
1,2-Dichloroethane-d4 (Surr)	104		64 - 126	03/10/20 10:00	03/10/20 12:34	1
4-Bromofluorobenzene (Surr)	99		72 - 126	03/10/20 10:00	03/10/20 12:34	1
Dibromofluoromethane (Surr)	102		60 - 140	03/10/20 10:00	03/10/20 12:34	1

Lab Sample ID: LCS 480-520778/1-A

Matrix: Solid

Analysis Batch: 520701

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 520778

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	48.7		ug/Kg		97	77 - 121
1,1,1,2-Tetrachloroethane	50.0	44.8		ug/Kg		90	80 - 120
1,1,2-Trichloroethane	50.0	45.8		ug/Kg		92	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.0		ug/Kg		98	60 - 140
1,1-Dichloroethane	50.0	48.5		ug/Kg		97	73 - 126
1,1-Dichloroethene	50.0	49.0		ug/Kg		98	59 - 125
1,2,4-Trichlorobenzene	50.0	48.8		ug/Kg		98	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	42.1		ug/Kg		84	63 - 124
1,2-Dichlorobenzene	50.0	46.2		ug/Kg		92	75 - 120
1,2-Dichloroethane	50.0	49.6		ug/Kg		99	77 - 122
1,2-Dichloropropane	50.0	48.4		ug/Kg		97	75 - 124
1,3-Dichlorobenzene	50.0	46.4		ug/Kg		93	74 - 120
1,4-Dichlorobenzene	50.0	47.0		ug/Kg		94	73 - 120
2-Butanone (MEK)	250	244		ug/Kg		97	70 - 134
2-Hexanone	250	235		ug/Kg		94	59 - 130
4-Methyl-2-pentanone (MIBK)	250	229		ug/Kg		92	65 - 133

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-520778/1-A

Matrix: Solid

Analysis Batch: 520701

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 520778

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	235		ug/Kg		94	61 - 137
Benzene	50.0	48.2		ug/Kg		96	79 - 127
Bromodichloromethane	50.0	48.7		ug/Kg		97	80 - 122
Bromoform	50.0	48.3		ug/Kg		97	68 - 126
Bromomethane	50.0	44.3		ug/Kg		89	37 - 149
Carbon disulfide	50.0	49.0		ug/Kg		98	64 - 131
Carbon tetrachloride	50.0	49.1		ug/Kg		98	75 - 135
Chlorobenzene	50.0	46.7		ug/Kg		93	76 - 124
Dibromochloromethane	50.0	48.5		ug/Kg		97	76 - 125
Chloroethane	50.0	43.0		ug/Kg		86	69 - 135
Chloroform	50.0	47.8		ug/Kg		96	80 - 120
Chloromethane	50.0	37.9		ug/Kg		76	63 - 127
1,4-Dioxane	1000	980		ug/Kg		98	64 - 124
cis-1,2-Dichloroethene	50.0	48.7		ug/Kg		97	81 - 120
cis-1,3-Dichloropropene	50.0	50.0		ug/Kg		100	80 - 120
Cyclohexane	50.0	47.6		ug/Kg		95	65 - 120
Dichlorodifluoromethane	50.0	36.3		ug/Kg		73	57 - 142
Ethylbenzene	50.0	47.1		ug/Kg		94	80 - 120
1,2-Dibromoethane	50.0	48.7		ug/Kg		97	78 - 120
Isopropylbenzene	50.0	47.1		ug/Kg		94	72 - 120
Methyl acetate	100	91.3		ug/Kg		91	55 - 136
Methyl tert-butyl ether	50.0	48.7		ug/Kg		97	63 - 125
Methylcyclohexane	50.0	47.5		ug/Kg		95	60 - 140
Methylene Chloride	50.0	49.3		ug/Kg		99	61 - 127
Styrene	50.0	47.0		ug/Kg		94	80 - 120
Tetrachloroethene	50.0	47.5		ug/Kg		95	74 - 122
Toluene	50.0	46.4		ug/Kg		93	74 - 128
trans-1,2-Dichloroethene	50.0	48.6		ug/Kg		97	78 - 126
trans-1,3-Dichloropropene	50.0	47.4		ug/Kg		95	73 - 123
Trichloroethene	50.0	48.9		ug/Kg		98	77 - 129
Trichlorofluoromethane	50.0	44.1		ug/Kg		88	65 - 146
Vinyl chloride	50.0	40.5		ug/Kg		81	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	99		71 - 125
1,2-Dichloroethane-d4 (Surr)	101		64 - 126
4-Bromofluorobenzene (Surr)	101		72 - 126
Dibromofluoromethane (Surr)	101		60 - 140

Lab Sample ID: LCSD 480-520778/2-A

Matrix: Solid

Analysis Batch: 520701

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 520778

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	50.0	52.8		ug/Kg		106	77 - 121	8	20
1,1,1,2,2-Tetrachloroethane	50.0	49.4		ug/Kg		99	80 - 120	10	20
1,1,2-Trichloroethane	50.0	48.3		ug/Kg		97	78 - 122	5	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	51.3		ug/Kg		103	60 - 140	5	20

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 480-520778/2-A

Matrix: Solid

Analysis Batch: 520701

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 520778

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	50.0	50.7		ug/Kg		101	73 - 126	4	20
1,1-Dichloroethene	50.0	51.3		ug/Kg		103	59 - 125	5	20
1,2,4-Trichlorobenzene	50.0	52.0		ug/Kg		104	64 - 120	6	20
1,2-Dibromo-3-Chloropropane	50.0	51.1		ug/Kg		102	63 - 124	19	20
1,2-Dichlorobenzene	50.0	49.1		ug/Kg		98	75 - 120	6	20
1,2-Dichloroethane	50.0	49.8		ug/Kg		100	77 - 122	0	20
1,2-Dichloropropane	50.0	49.9		ug/Kg		100	75 - 124	3	20
1,3-Dichlorobenzene	50.0	49.6		ug/Kg		99	74 - 120	7	20
1,4-Dichlorobenzene	50.0	48.6		ug/Kg		97	73 - 120	3	20
2-Butanone (MEK)	250	274		ug/Kg		110	70 - 134	12	20
2-Hexanone	250	258		ug/Kg		103	59 - 130	9	20
4-Methyl-2-pentanone (MIBK)	250	254		ug/Kg		102	65 - 133	10	20
Acetone	250	279		ug/Kg		111	61 - 137	17	20
Benzene	50.0	49.9		ug/Kg		100	79 - 127	4	20
Bromodichloromethane	50.0	51.0		ug/Kg		102	80 - 122	5	20
Bromoform	50.0	50.2		ug/Kg		100	68 - 126	4	20
Bromomethane	50.0	48.4		ug/Kg		97	37 - 149	9	20
Carbon disulfide	50.0	52.8		ug/Kg		106	64 - 131	7	20
Carbon tetrachloride	50.0	51.1		ug/Kg		102	75 - 135	4	20
Chlorobenzene	50.0	47.6		ug/Kg		95	76 - 124	2	20
Dibromochloromethane	50.0	52.5		ug/Kg		105	76 - 125	8	20
Chloroethane	50.0	44.4		ug/Kg		89	69 - 135	3	20
Chloroform	50.0	50.2		ug/Kg		100	80 - 120	5	20
Chloromethane	50.0	39.8		ug/Kg		80	63 - 127	5	20
1,4-Dioxane	1000	1050		ug/Kg		105	64 - 124	7	20
cis-1,2-Dichloroethene	50.0	50.9		ug/Kg		102	81 - 120	4	20
cis-1,3-Dichloropropene	50.0	50.7		ug/Kg		101	80 - 120	1	20
Cyclohexane	50.0	48.3		ug/Kg		97	65 - 120	2	20
Dichlorodifluoromethane	50.0	35.9		ug/Kg		72	57 - 142	1	20
Ethylbenzene	50.0	49.2		ug/Kg		98	80 - 120	4	20
1,2-Dibromoethane	50.0	50.1		ug/Kg		100	78 - 120	3	20
Isopropylbenzene	50.0	49.3		ug/Kg		99	72 - 120	4	20
Methyl acetate	100	103		ug/Kg		103	55 - 136	12	20
Methyl tert-butyl ether	50.0	50.9		ug/Kg		102	63 - 125	5	20
Methylcyclohexane	50.0	49.5		ug/Kg		99	60 - 140	4	20
Methylene Chloride	50.0	50.6		ug/Kg		101	61 - 127	3	20
Styrene	50.0	48.2		ug/Kg		96	80 - 120	3	20
Tetrachloroethene	50.0	49.9		ug/Kg		100	74 - 122	5	20
Toluene	50.0	48.9		ug/Kg		98	74 - 128	5	20
trans-1,2-Dichloroethene	50.0	52.0		ug/Kg		104	78 - 126	7	20
trans-1,3-Dichloropropene	50.0	49.1		ug/Kg		98	73 - 123	3	20
Trichloroethene	50.0	51.3		ug/Kg		103	77 - 129	5	20
Trichlorofluoromethane	50.0	45.3		ug/Kg		91	65 - 146	3	20
Vinyl chloride	50.0	43.5		ug/Kg		87	61 - 133	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	99		71 - 125
1,2-Dichloroethane-d4 (Surr)	104		64 - 126

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 480-520778/2-A

Matrix: Solid

Analysis Batch: 520701

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 520778

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		72 - 126
Dibromofluoromethane (Surr)	105		60 - 140

Lab Sample ID: MB 480-520981/2-A

Matrix: Solid

Analysis Batch: 521079

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 520981

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
1,1,1-Trichloroethane	ND		100	28	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
1,1,2,2-Tetrachloroethane	ND		100	16	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
1,1,2-Trichloroethane	ND		100	21	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
1,1-Dichloroethane	ND		100	31	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
1,1-Dichloroethene	ND		100	35	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
1,2,4-Trichlorobenzene	ND		100	38	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
1,2-Dichlorobenzene	ND		100	26	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
1,2-Dichloroethane	ND		100	41	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
1,2-Dichloropropane	ND		100	16	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
1,3-Dichlorobenzene	ND		100	27	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
1,4-Dichlorobenzene	ND		100	14	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
2-Butanone (MEK)	ND		500	300	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
2-Hexanone	ND		500	210	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
Acetone	ND		500	410	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
Benzene	ND		100	19	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
Bromodichloromethane	ND		100	20	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
Bromoform	ND		100	50	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
Bromomethane	ND		100	22	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
Carbon disulfide	ND		100	46	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
Carbon tetrachloride	ND		100	26	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
Chlorobenzene	ND		100	13	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
Dibromochloromethane	ND		100	48	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
Chloroethane	ND		100	21	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
Chloroform	ND		100	69	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
Chloromethane	ND		100	24	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
1,4-Dioxane	ND		1900	510	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
cis-1,2-Dichloroethene	ND		100	28	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
cis-1,3-Dichloropropene	ND		100	24	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
Cyclohexane	ND		100	22	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
Dichlorodifluoromethane	ND		100	44	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
Ethylbenzene	ND		100	29	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
1,2-Dibromoethane	ND		100	18	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
Isopropylbenzene	ND		100	15	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
Methyl acetate	ND		500	48	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
Methyl tert-butyl ether	ND		100	38	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
Methylcyclohexane	ND		100	47	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	
Methylene Chloride	ND		100	20	ug/Kg		03/11/20 12:48	03/12/20 09:50	1	

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-520981/2-A

Matrix: Solid

Analysis Batch: 521079

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 520981

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		100	24	ug/Kg		03/11/20 12:48	03/12/20 09:50	1
Tetrachloroethene	ND		100	13	ug/Kg		03/11/20 12:48	03/12/20 09:50	1
Toluene	ND		100	27	ug/Kg		03/11/20 12:48	03/12/20 09:50	1
trans-1,2-Dichloroethene	ND		100	24	ug/Kg		03/11/20 12:48	03/12/20 09:50	1
trans-1,3-Dichloropropene	ND		100	9.8	ug/Kg		03/11/20 12:48	03/12/20 09:50	1
Trichloroethene	ND		100	28	ug/Kg		03/11/20 12:48	03/12/20 09:50	1
Trichlorofluoromethane	ND		100	47	ug/Kg		03/11/20 12:48	03/12/20 09:50	1
Vinyl chloride	ND		100	34	ug/Kg		03/11/20 12:48	03/12/20 09:50	1
Xylenes, Total	ND		200	55	ug/Kg		03/11/20 12:48	03/12/20 09:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		50 - 149	03/11/20 12:48	03/12/20 09:50	1
1,2-Dichloroethane-d4 (Surr)	95		53 - 146	03/11/20 12:48	03/12/20 09:50	1
4-Bromofluorobenzene (Surr)	103		49 - 148	03/11/20 12:48	03/12/20 09:50	1
Dibromofluoromethane (Surr)	91		60 - 140	03/11/20 12:48	03/12/20 09:50	1

Lab Sample ID: LCS 480-520981/1-A

Matrix: Solid

Analysis Batch: 521079

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 520981

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2210		ug/Kg		88	68 - 130
1,1,2,2-Tetrachloroethane	2500	2410		ug/Kg		96	73 - 120
1,1,2-Trichloroethane	2500	2500		ug/Kg		100	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2360		ug/Kg		94	10 - 179
1,1-Dichloroethane	2500	2450		ug/Kg		98	78 - 121
1,1-Dichloroethene	2500	2290		ug/Kg		91	48 - 133
1,2,4-Trichlorobenzene	2500	2800		ug/Kg		112	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2310		ug/Kg		92	56 - 122
1,2-Dichlorobenzene	2500	2540		ug/Kg		102	78 - 125
1,2-Dichloroethane	2500	2350		ug/Kg		94	74 - 127
1,2-Dichloropropane	2500	2480		ug/Kg		99	80 - 120
1,3-Dichlorobenzene	2500	2530		ug/Kg		101	80 - 120
1,4-Dichlorobenzene	2500	2560		ug/Kg		102	80 - 120
2-Butanone (MEK)	12500	12100		ug/Kg		97	54 - 149
2-Hexanone	12500	12500		ug/Kg		100	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	12500		ug/Kg		100	74 - 120
Acetone	12500	11700		ug/Kg		94	47 - 141
Benzene	2500	2440		ug/Kg		98	77 - 125
Bromodichloromethane	2500	2410		ug/Kg		96	71 - 121
Bromoform	2500	2510		ug/Kg		101	48 - 125
Bromomethane	2500	1970		ug/Kg		79	39 - 149
Carbon disulfide	2500	2430		ug/Kg		97	40 - 136
Carbon tetrachloride	2500	2380		ug/Kg		95	54 - 135
Chlorobenzene	2500	2550		ug/Kg		102	76 - 126
Dibromochloromethane	2500	2430		ug/Kg		97	64 - 120
Chloroethane	2500	1770		ug/Kg		71	23 - 150
Chloroform	2500	2300		ug/Kg		92	78 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-520981/1-A

Matrix: Solid

Analysis Batch: 521079

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 520981

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	2500	2150		ug/Kg		86	61 - 124
1,4-Dioxane	50000	52000		ug/Kg		104	40 - 150
cis-1,2-Dichloroethene	2500	2340		ug/Kg		94	79 - 124
cis-1,3-Dichloropropene	2500	2570		ug/Kg		103	75 - 121
Cyclohexane	2500	2510		ug/Kg		100	49 - 129
Dichlorodifluoromethane	2500	2050		ug/Kg		82	10 - 150
Ethylbenzene	2500	2580		ug/Kg		103	78 - 124
1,2-Dibromoethane	2500	2500		ug/Kg		100	80 - 120
Isopropylbenzene	2500	2530		ug/Kg		101	76 - 120
Methyl acetate	5000	4760		ug/Kg		95	71 - 123
Methyl tert-butyl ether	2500	2290		ug/Kg		92	67 - 137
Methylcyclohexane	2500	2520		ug/Kg		101	50 - 130
Methylene Chloride	2500	2480		ug/Kg		99	75 - 118
Styrene	2500	2590		ug/Kg		104	80 - 120
Tetrachloroethene	2500	2620		ug/Kg		105	73 - 133
Toluene	2500	2490		ug/Kg		100	75 - 124
trans-1,2-Dichloroethene	2500	2410		ug/Kg		96	74 - 129
trans-1,3-Dichloropropene	2500	2610		ug/Kg		105	73 - 120
Trichloroethene	2500	2390		ug/Kg		96	75 - 131
Trichlorofluoromethane	2500	1930		ug/Kg		77	29 - 158
Vinyl chloride	2500	2320		ug/Kg		93	59 - 124

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	99		50 - 149
1,2-Dichloroethane-d4 (Surr)	89		53 - 146
4-Bromofluorobenzene (Surr)	102		49 - 148
Dibromofluoromethane (Surr)	94		60 - 140

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Lab Sample ID: 480-167131-6 MS

Matrix: Solid

Analysis Batch: 521079

Client Sample ID: SB-R18

Prep Type: Total/NA

Prep Batch: 520981

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane - DL	ND		1020	1080		ug/Kg	☼	106	64 - 142
1,1,1,2,2-Tetrachloroethane - DL	ND		1020	1260		ug/Kg	☼	124	56 - 128
1,1,1,2-Trichloroethane - DL	ND		1020	1290		ug/Kg	☼	126	63 - 133
1,1,1,2-Trichloro-1,2,2-trifluoroethane - DL	ND		1020	976		ug/Kg	☼	95	64 - 154
1,1-Dichloroethane - DL	ND		1020	1180		ug/Kg	☼	115	64 - 135
1,1-Dichloroethene - DL	ND		1020	1070		ug/Kg	☼	104	62 - 145
1,2,4-Trichlorobenzene - DL	ND	F1	1020	1500	F1	ug/Kg	☼	147	56 - 145
1,2-Dibromo-3-Chloropropane - DL	ND	F2 F1	1020	1260	F1	ug/Kg	☼	123	40 - 122
1,2-Dichlorobenzene - DL	ND		1020	1310		ug/Kg	☼	128	68 - 133
1,2-Dichloroethane - DL	ND		1020	1130		ug/Kg	☼	111	62 - 135
1,2-Dichloropropane - DL	ND		1020	1270		ug/Kg	☼	124	67 - 139
1,3-Dichlorobenzene - DL	ND		1020	1290		ug/Kg	☼	126	68 - 136

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Lab Sample ID: 480-167131-6 MS

Matrix: Solid

Analysis Batch: 521079

Client Sample ID: SB-R18

Prep Type: Total/NA

Prep Batch: 520981

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene - DL	ND		1020	1310		ug/Kg	✱	128	69 - 136
2-Butanone (MEK) - DL	ND		5120	6070		ug/Kg	✱	119	46 - 132
2-Hexanone - DL	ND		5120	6630		ug/Kg	✱	130	44 - 130
4-Methyl-2-pentanone (MIBK) - DL	ND	F1	5120	6700	F1	ug/Kg	✱	131	49 - 125
Acetone - DL	ND		5120	5810		ug/Kg	✱	114	32 - 136
Benzene - DL	ND		1020	1190		ug/Kg	✱	117	68 - 137
Bromodichloromethane - DL	ND		1020	1130		ug/Kg	✱	111	62 - 136
Bromoform - DL	ND		1020	1160		ug/Kg	✱	114	43 - 134
Bromomethane - DL	ND		1020	807		ug/Kg	✱	79	38 - 137
Carbon disulfide - DL	ND		1020	1040		ug/Kg	✱	101	52 - 139
Carbon tetrachloride - DL	ND		1020	1060		ug/Kg	✱	103	60 - 150
Chlorobenzene - DL	ND		1020	1340		ug/Kg	✱	131	67 - 136
Dibromochloromethane - DL	ND		1020	1120		ug/Kg	✱	109	57 - 137
Chloroethane - DL	ND		1020	803		ug/Kg	✱	78	34 - 140
Chloroform - DL	ND		1020	1140		ug/Kg	✱	111	64 - 133
Chloromethane - DL	ND		1020	824		ug/Kg	✱	80	47 - 143
1,4-Dioxane - DL	ND		20500	27900		ug/Kg	✱	136	26 - 150
cis-1,2-Dichloroethene - DL	4800		1020	7060	E 4	ug/Kg	✱	218	65 - 137
cis-1,3-Dichloropropene - DL	ND		1020	1210		ug/Kg	✱	119	61 - 148
Cyclohexane - DL	ND		1020	1120		ug/Kg	✱	109	63 - 149
Dichlorodifluoromethane - DL	ND		1020	567		ug/Kg	✱	55	26 - 150
Ethylbenzene - DL	21	J	1020	1330		ug/Kg	✱	128	67 - 136
1,2-Dibromoethane - DL	ND		1020	1270		ug/Kg	✱	124	65 - 133
Isopropylbenzene - DL	ND		1020	1310		ug/Kg	✱	128	65 - 147
Methyl acetate - DL	ND	F1	2050	2560	F1	ug/Kg	✱	125	50 - 124
Methyl tert-butyl ether - DL	ND		1020	1180		ug/Kg	✱	115	60 - 130
Methylcyclohexane - DL	ND		1020	1120		ug/Kg	✱	109	67 - 150
Methylene Chloride - DL	ND		1020	1230		ug/Kg	✱	120	63 - 138
Styrene - DL	ND		1020	1350		ug/Kg	✱	132	68 - 137
Tetrachloroethene - DL	15	J	1020	1360		ug/Kg	✱	131	67 - 150
Toluene - DL	14	J	1020	1280		ug/Kg	✱	125	68 - 137
trans-1,2-Dichloroethene - DL	51	J	1020	1210		ug/Kg	✱	113	65 - 138
trans-1,3-Dichloropropene - DL	ND		1020	1300		ug/Kg	✱	127	58 - 143
Trichloroethene - DL	680	F1	1020	1290	F1	ug/Kg	✱	59	69 - 143
Trichlorofluoromethane - DL	ND		1020	795		ug/Kg	✱	78	35 - 150
Vinyl chloride - DL	ND		1020	836		ug/Kg	✱	82	56 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr) - DL	100		50 - 149
1,2-Dichloroethane-d4 (Surr) - DL	96		53 - 146
4-Bromofluorobenzene (Surr) - DL	103		49 - 148
Dibromofluoromethane (Surr) - DL	92		60 - 140

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Lab Sample ID: 480-167131-6 MSD

Matrix: Solid

Analysis Batch: 521079

Client Sample ID: SB-R18

Prep Type: Total/NA

Prep Batch: 520981

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane - DL	ND		907	991		ug/Kg	☼	109	64 - 142	9	20
1,1,1,2-Tetrachloroethane - DL	ND		907	1140		ug/Kg	☼	125	56 - 128	11	20
1,1,2-Trichloroethane - DL	ND		907	1160		ug/Kg	☼	127	63 - 133	11	20
1,1,2-Trichloro-1,2,2-trifluoroethane - DL	ND		907	872		ug/Kg	☼	96	64 - 154	11	20
1,1-Dichloroethane - DL	ND		907	1080		ug/Kg	☼	119	64 - 135	8	20
1,1-Dichloroethene - DL	ND		907	937		ug/Kg	☼	103	62 - 145	13	20
1,2,4-Trichlorobenzene - DL	ND	F1	907	1260		ug/Kg	☼	139	56 - 145	17	20
1,2-Dibromo-3-Chloropropane - DL	ND	F2 F1	907	1000	F4	ug/Kg	☼	110	40 - 122	23	20
1,2-Dichlorobenzene - DL	ND		907	1160		ug/Kg	☼	128	68 - 133	12	20
1,2-Dichloroethane - DL	ND		907	1060		ug/Kg	☼	117	62 - 135	7	20
1,2-Dichloropropane - DL	ND		907	1150		ug/Kg	☼	126	67 - 139	10	20
1,3-Dichlorobenzene - DL	ND		907	1160		ug/Kg	☼	128	68 - 136	11	20
1,4-Dichlorobenzene - DL	ND		907	1140		ug/Kg	☼	126	69 - 136	14	20
2-Butanone (MEK) - DL	ND		4540	5470		ug/Kg	☼	121	46 - 132	10	20
2-Hexanone - DL	ND		4540	5780		ug/Kg	☼	127	44 - 130	14	20
4-Methyl-2-pentanone (MIBK) - DL	ND	F1	4540	5890	F1	ug/Kg	☼	130	49 - 125	13	20
Acetone - DL	ND		4540	5380		ug/Kg	☼	119	32 - 136	8	20
Benzene - DL	ND		907	1090		ug/Kg	☼	120	68 - 137	9	20
Bromodichloromethane - DL	ND		907	1060		ug/Kg	☼	117	62 - 136	6	20
Bromoform - DL	ND		907	1050		ug/Kg	☼	116	43 - 134	10	20
Bromomethane - DL	ND		907	755		ug/Kg	☼	83	38 - 137	7	20
Carbon disulfide - DL	ND		907	963		ug/Kg	☼	106	52 - 139	8	20
Carbon tetrachloride - DL	ND		907	999		ug/Kg	☼	110	60 - 150	5	20
Chlorobenzene - DL	ND		907	1170		ug/Kg	☼	129	67 - 136	13	20
Dibromochloromethane - DL	ND		907	1020		ug/Kg	☼	112	57 - 137	9	20
Chloroethane - DL	ND		907	763		ug/Kg	☼	84	34 - 140	5	20
Chloroform - DL	ND		907	1040		ug/Kg	☼	115	64 - 133	9	20
Chloromethane - DL	ND		907	762		ug/Kg	☼	84	47 - 143	8	20
1,4-Dioxane - DL	ND		18100	25900		ug/Kg	☼	143	26 - 150	8	20
cis-1,2-Dichloroethene - DL	4800		907	6600	E 4	ug/Kg	☼	194	65 - 137	7	20
cis-1,3-Dichloropropene - DL	ND		907	1130		ug/Kg	☼	125	61 - 148	7	20
Cyclohexane - DL	ND		907	1030		ug/Kg	☼	114	63 - 149	8	20
Dichlorodifluoromethane - DL	ND		907	488		ug/Kg	☼	54	26 - 150	15	20
Ethylbenzene - DL	21	J	907	1170		ug/Kg	☼	127	67 - 136	13	20
1,2-Dibromoethane - DL	ND		907	1150		ug/Kg	☼	127	65 - 133	10	20
Isopropylbenzene - DL	ND		907	1150		ug/Kg	☼	126	65 - 147	13	20
Methyl acetate - DL	ND	F1	1810	2320	F1	ug/Kg	☼	128	50 - 124	10	20
Methyl tert-butyl ether - DL	ND		907	1090		ug/Kg	☼	120	60 - 130	7	20
Methylcyclohexane - DL	ND		907	1040		ug/Kg	☼	115	67 - 150	7	20
Methylene Chloride - DL	ND		907	1080		ug/Kg	☼	119	63 - 138	13	20
Styrene - DL	ND		907	1180		ug/Kg	☼	130	68 - 137	14	20
Tetrachloroethene - DL	15	J	907	1190		ug/Kg	☼	129	67 - 150	13	20
Toluene - DL	14	J	907	1130		ug/Kg	☼	125	68 - 137	12	20
trans-1,2-Dichloroethene - DL	51	J	907	1110		ug/Kg	☼	117	65 - 138	8	20
trans-1,3-Dichloropropene - DL	ND		907	1170		ug/Kg	☼	129	58 - 143	11	20
Trichloroethene - DL	680	F1	907	1190	F1	ug/Kg	☼	56	69 - 143	8	20

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Lab Sample ID: 480-167131-6 MSD

Matrix: Solid

Analysis Batch: 521079

Client Sample ID: SB-R18

Prep Type: Total/NA

Prep Batch: 520981

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichlorofluoromethane - DL	ND		907	743		ug/Kg	✱	82	35 - 150	7	20
Vinyl chloride - DL	ND		907	794		ug/Kg	✱	87	56 - 150	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr) - DL	99		50 - 149
1,2-Dichloroethane-d4 (Surr) - DL	95		53 - 146
4-Bromofluorobenzene (Surr) - DL	99		49 - 148
Dibromofluoromethane (Surr) - DL	96		60 - 140

Method: 310.13 - Identification of Routine Petroleum Products

Lab Sample ID: MB 480-520618/1-A

Matrix: Solid

Analysis Batch: 520606

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 520618

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		6.6	6.6	mg/Kg		03/09/20 14:58	03/10/20 12:12	1
Kerosene	ND		16	16	mg/Kg		03/09/20 14:58	03/10/20 12:12	1
Motor Oil	ND		33	33	mg/Kg		03/09/20 14:58	03/10/20 12:12	1
Fuel Oil #2	ND		16	16	mg/Kg		03/09/20 14:58	03/10/20 12:12	1
Fuel Oil #4	ND		16	16	mg/Kg		03/09/20 14:58	03/10/20 12:12	1
Fuel Oil #6	ND		16	16	mg/Kg		03/09/20 14:58	03/10/20 12:12	1
Unknown Hydrocarbons	ND		16	16	mg/Kg		03/09/20 14:58	03/10/20 12:12	1

Lab Sample ID: LCS 480-520618/2-A

Matrix: Solid

Analysis Batch: 520606

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 520618

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fuel Oil #2	48.5	44.0		mg/Kg		91	50 - 150

Lab Sample ID: 480-167131-15 MS

Matrix: Solid

Analysis Batch: 520606

Client Sample ID: SB-R7

Prep Type: Total/NA

Prep Batch: 520618

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fuel Oil #2	20		60.3	71.7		mg/Kg	✱	85	50 - 150

Lab Sample ID: 480-167131-15 MSD

Matrix: Solid

Analysis Batch: 520606

Client Sample ID: SB-R7

Prep Type: Total/NA

Prep Batch: 520618

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fuel Oil #2	20		59.4	81.4		mg/Kg	✱	103	50 - 150	13	50

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-520487/1-A

Matrix: Solid

Analysis Batch: 520780

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 520487

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.041	mg/Kg		03/09/20 07:41	03/10/20 15:23	1
PCB-1221	ND		0.21	0.041	mg/Kg		03/09/20 07:41	03/10/20 15:23	1
PCB-1232	ND		0.21	0.041	mg/Kg		03/09/20 07:41	03/10/20 15:23	1
PCB-1242	ND		0.21	0.041	mg/Kg		03/09/20 07:41	03/10/20 15:23	1
PCB-1248	ND		0.21	0.041	mg/Kg		03/09/20 07:41	03/10/20 15:23	1
PCB-1254	ND		0.21	0.099	mg/Kg		03/09/20 07:41	03/10/20 15:23	1
PCB-1260	ND		0.21	0.099	mg/Kg		03/09/20 07:41	03/10/20 15:23	1
PCB-1262	ND		0.21	0.099	mg/Kg		03/09/20 07:41	03/10/20 15:23	1
PCB-1268	ND		0.21	0.099	mg/Kg		03/09/20 07:41	03/10/20 15:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	115		60 - 154	03/09/20 07:41	03/10/20 15:23	1
Tetrachloro-m-xylene	101		60 - 154	03/09/20 07:41	03/10/20 15:23	1
DCB Decachlorobiphenyl	97		65 - 174	03/09/20 07:41	03/10/20 15:23	1
DCB Decachlorobiphenyl	103		65 - 174	03/09/20 07:41	03/10/20 15:23	1

Lab Sample ID: LCS 480-520487/2-A

Matrix: Solid

Analysis Batch: 520780

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 520487

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	2.16	3.39		mg/Kg		157	51 - 185
PCB-1260	2.16	3.30		mg/Kg		153	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	154		60 - 154
Tetrachloro-m-xylene	143		60 - 154
DCB Decachlorobiphenyl	124		65 - 174
DCB Decachlorobiphenyl	150		65 - 174

Lab Sample ID: 480-167131-15 MS

Matrix: Solid

Analysis Batch: 520780

Client Sample ID: SB-R7

Prep Type: Total/NA

Prep Batch: 520487

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		2.29	3.06		mg/Kg	☼	134	50 - 177
PCB-1260	ND		2.29	2.98		mg/Kg	☼	130	33 - 200

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	135		60 - 154
Tetrachloro-m-xylene	127		60 - 154
DCB Decachlorobiphenyl	102		65 - 174
DCB Decachlorobiphenyl	129		65 - 174

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 480-167131-15 MSD

Matrix: Solid

Analysis Batch: 520780

Client Sample ID: SB-R7

Prep Type: Total/NA

Prep Batch: 520487

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		2.13	2.94		mg/Kg	✱	138	50 - 177	4	50
PCB-1260	ND		2.13	2.82		mg/Kg	✱	133	33 - 200	6	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	141		60 - 154
Tetrachloro-m-xylene	118		60 - 154
DCB Decachlorobiphenyl	110		65 - 174
DCB Decachlorobiphenyl	133		65 - 174

QC Association Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

GC/MS VOA

Prep Batch: 520593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167131-1	SB-R33	Total/NA	Solid	5035A_L	
480-167131-2	SB-R35	Total/NA	Solid	5035A_L	
480-167131-4	SB-R12	Total/NA	Solid	5035A_L	
480-167131-6	SB-R18	Total/NA	Solid	5035A_L	
480-167131-7	SB-R21	Total/NA	Solid	5035A_L	
480-167131-8	SB-R30	Total/NA	Solid	5035A_L	
480-167131-9	SB-R36	Total/NA	Solid	5035A_L	
480-167131-10	SB-R9	Total/NA	Solid	5035A_L	
480-167131-11	SB-R14	Total/NA	Solid	5035A_L	
480-167131-13	SB-R15	Total/NA	Solid	5035A_L	
480-167131-15	SB-R7	Total/NA	Solid	5035A_L	
480-167131-19	SB-R27	Total/NA	Solid	5035A_L	
480-167131-20	SB-R22	Total/NA	Solid	5035A_L	
MB 480-520593/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-520593/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	
480-167131-1 MS	SB-R33	Total/NA	Solid	5035A_L	
480-167131-1 MSD	SB-R33	Total/NA	Solid	5035A_L	
480-167131-6 MS	SB-R18	Total/NA	Solid	5035A_L	
480-167131-6 MSD	SB-R18	Total/NA	Solid	5035A_L	

Analysis Batch: 520657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167131-1	SB-R33	Total/NA	Solid	8260C	520593
480-167131-2	SB-R35	Total/NA	Solid	8260C	520593
480-167131-4	SB-R12	Total/NA	Solid	8260C	520593
480-167131-6	SB-R18	Total/NA	Solid	8260C	520593
480-167131-7	SB-R21	Total/NA	Solid	8260C	520593
480-167131-8	SB-R30	Total/NA	Solid	8260C	520593
480-167131-9	SB-R36	Total/NA	Solid	8260C	520593
480-167131-10	SB-R9	Total/NA	Solid	8260C	520593
480-167131-11	SB-R14	Total/NA	Solid	8260C	520593
480-167131-13	SB-R15	Total/NA	Solid	8260C	520593
480-167131-15	SB-R7	Total/NA	Solid	8260C	520593
480-167131-19	SB-R27	Total/NA	Solid	8260C	520593
480-167131-20	SB-R22	Total/NA	Solid	8260C	520593
MB 480-520593/2-A	Method Blank	Total/NA	Solid	8260C	520593
LCS 480-520593/1-A	Lab Control Sample	Total/NA	Solid	8260C	520593
480-167131-1 MS	SB-R33	Total/NA	Solid	8260C	520593
480-167131-1 MSD	SB-R33	Total/NA	Solid	8260C	520593
480-167131-6 MS	SB-R18	Total/NA	Solid	8260C	520593
480-167131-6 MSD	SB-R18	Total/NA	Solid	8260C	520593

Analysis Batch: 520701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167131-18	SB-R10	Total/NA	Solid	8260C	520778
MB 480-520778/3-A	Method Blank	Total/NA	Solid	8260C	520778
LCS 480-520778/1-A	Lab Control Sample	Total/NA	Solid	8260C	520778
LCSD 480-520778/2-A	Lab Control Sample Dup	Total/NA	Solid	8260C	520778

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

GC/MS VOA

Prep Batch: 520778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167131-18	SB-R10	Total/NA	Solid	5035A_L	
MB 480-520778/3-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-520778/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	
LCSD 480-520778/2-A	Lab Control Sample Dup	Total/NA	Solid	5035A_L	

Prep Batch: 520981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167131-3	SB-R13	Total/NA	Solid	5035A_H	
480-167131-4 - DL	SB-R12	Total/NA	Solid	5035A_H	
480-167131-5	SB-R17	Total/NA	Solid	5035A_H	
480-167131-6 - DL	SB-R18	Total/NA	Solid	5035A_H	
480-167131-7 - DL	SB-R21	Total/NA	Solid	5035A_H	
480-167131-12	DUP-01	Total/NA	Solid	5035A_H	
480-167131-14	SB-17	Total/NA	Solid	5035A_H	
480-167131-15 - DL	SB-R7	Total/NA	Solid	5035A_H	
480-167131-16	DUP-02	Total/NA	Solid	5035A_H	
480-167131-17	SB-R6	Total/NA	Solid	5035A_H	
MB 480-520981/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-520981/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	
480-167131-6 MS - DL	SB-R18	Total/NA	Solid	5035A_H	
480-167131-6 MSD - DL	SB-R18	Total/NA	Solid	5035A_H	

Analysis Batch: 521079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167131-3	SB-R13	Total/NA	Solid	8260C	520981
480-167131-4 - DL	SB-R12	Total/NA	Solid	8260C	520981
480-167131-5	SB-R17	Total/NA	Solid	8260C	520981
480-167131-6 - DL	SB-R18	Total/NA	Solid	8260C	520981
480-167131-7 - DL	SB-R21	Total/NA	Solid	8260C	520981
480-167131-12	DUP-01	Total/NA	Solid	8260C	520981
480-167131-14	SB-17	Total/NA	Solid	8260C	520981
480-167131-15 - DL	SB-R7	Total/NA	Solid	8260C	520981
480-167131-16	DUP-02	Total/NA	Solid	8260C	520981
480-167131-17	SB-R6	Total/NA	Solid	8260C	520981
MB 480-520981/2-A	Method Blank	Total/NA	Solid	8260C	520981
LCS 480-520981/1-A	Lab Control Sample	Total/NA	Solid	8260C	520981
480-167131-6 MS - DL	SB-R18	Total/NA	Solid	8260C	520981
480-167131-6 MSD - DL	SB-R18	Total/NA	Solid	8260C	520981

GC Semi VOA

Prep Batch: 520487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167131-15	SB-R7	Total/NA	Solid	3550C	
480-167131-16	DUP-02	Total/NA	Solid	3550C	
480-167131-18	SB-R10	Total/NA	Solid	3550C	
MB 480-520487/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-520487/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-167131-15 MS	SB-R7	Total/NA	Solid	3550C	
480-167131-15 MSD	SB-R7	Total/NA	Solid	3550C	

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

GC Semi VOA

Analysis Batch: 520606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167131-15	SB-R7	Total/NA	Solid	310.13	520618
480-167131-16	DUP-02	Total/NA	Solid	310.13	520618
480-167131-18	SB-R10	Total/NA	Solid	310.13	520618
MB 480-520618/1-A	Method Blank	Total/NA	Solid	310.13	520618
LCS 480-520618/2-A	Lab Control Sample	Total/NA	Solid	310.13	520618
480-167131-15 MS	SB-R7	Total/NA	Solid	310.13	520618
480-167131-15 MSD	SB-R7	Total/NA	Solid	310.13	520618

Prep Batch: 520618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167131-15	SB-R7	Total/NA	Solid	3550C	
480-167131-16	DUP-02	Total/NA	Solid	3550C	
480-167131-18	SB-R10	Total/NA	Solid	3550C	
MB 480-520618/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-520618/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-167131-15 MS	SB-R7	Total/NA	Solid	3550C	
480-167131-15 MSD	SB-R7	Total/NA	Solid	3550C	

Analysis Batch: 520780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167131-15	SB-R7	Total/NA	Solid	8082A	520487
480-167131-16	DUP-02	Total/NA	Solid	8082A	520487
480-167131-18	SB-R10	Total/NA	Solid	8082A	520487
MB 480-520487/1-A	Method Blank	Total/NA	Solid	8082A	520487
LCS 480-520487/2-A	Lab Control Sample	Total/NA	Solid	8082A	520487
480-167131-15 MS	SB-R7	Total/NA	Solid	8082A	520487
480-167131-15 MSD	SB-R7	Total/NA	Solid	8082A	520487

General Chemistry

Analysis Batch: 520837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167131-1	SB-R33	Total/NA	Solid	Moisture	
480-167131-2	SB-R35	Total/NA	Solid	Moisture	
480-167131-3	SB-R13	Total/NA	Solid	Moisture	
480-167131-4	SB-R12	Total/NA	Solid	Moisture	
480-167131-5	SB-R17	Total/NA	Solid	Moisture	
480-167131-6	SB-R18	Total/NA	Solid	Moisture	
480-167131-7	SB-R21	Total/NA	Solid	Moisture	
480-167131-8	SB-R30	Total/NA	Solid	Moisture	
480-167131-9	SB-R36	Total/NA	Solid	Moisture	
480-167131-10	SB-R9	Total/NA	Solid	Moisture	
480-167131-11	SB-R14	Total/NA	Solid	Moisture	
480-167131-12	DUP-01	Total/NA	Solid	Moisture	
480-167131-13	SB-R15	Total/NA	Solid	Moisture	
480-167131-14	SB-17	Total/NA	Solid	Moisture	
480-167131-15	SB-R7	Total/NA	Solid	Moisture	
480-167131-16	DUP-02	Total/NA	Solid	Moisture	
480-167131-17	SB-R6	Total/NA	Solid	Moisture	
480-167131-18	SB-R10	Total/NA	Solid	Moisture	
480-167131-19	SB-R27	Total/NA	Solid	Moisture	

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QC Association Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

General Chemistry (Continued)

Analysis Batch: 520837 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167131-20	SB-R22	Total/NA	Solid	Moisture	
480-167131-1 MS	SB-R33	Total/NA	Solid	Moisture	
480-167131-1 MSD	SB-R33	Total/NA	Solid	Moisture	
480-167131-6 MS	SB-R18	Total/NA	Solid	Moisture	
480-167131-6 MSD	SB-R18	Total/NA	Solid	Moisture	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R33

Lab Sample ID: 480-167131-1

Date Collected: 03/02/20 10:20

Matrix: Solid

Date Received: 03/07/20 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	520837	03/10/20 16:14	WJD	TAL BUF

Client Sample ID: SB-R33

Lab Sample ID: 480-167131-1

Date Collected: 03/02/20 10:20

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			520593	03/07/20 13:11	WJD	TAL BUF
Total/NA	Analysis	8260C		1	520657	03/09/20 23:06	WJD	TAL BUF

Client Sample ID: SB-R35

Lab Sample ID: 480-167131-2

Date Collected: 03/02/20 11:30

Matrix: Solid

Date Received: 03/07/20 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	520837	03/10/20 16:14	WJD	TAL BUF

Client Sample ID: SB-R35

Lab Sample ID: 480-167131-2

Date Collected: 03/02/20 11:30

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			520593	03/07/20 13:11	WJD	TAL BUF
Total/NA	Analysis	8260C		1	520657	03/09/20 23:32	WJD	TAL BUF

Client Sample ID: SB-R13

Lab Sample ID: 480-167131-3

Date Collected: 03/02/20 15:30

Matrix: Solid

Date Received: 03/07/20 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	520837	03/10/20 16:14	WJD	TAL BUF

Client Sample ID: SB-R13

Lab Sample ID: 480-167131-3

Date Collected: 03/02/20 15:30

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			520981	03/11/20 12:48	AMM	TAL BUF
Total/NA	Analysis	8260C		10	521079	03/12/20 13:33	CRL	TAL BUF

Client Sample ID: SB-R12

Lab Sample ID: 480-167131-4

Date Collected: 03/02/20 16:15

Matrix: Solid

Date Received: 03/07/20 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	520837	03/10/20 16:14	WJD	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R12

Lab Sample ID: 480-167131-4

Date Collected: 03/02/20 16:15

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			520593	03/07/20 13:11	WJD	TAL BUF
Total/NA	Analysis	8260C		1	520657	03/09/20 23:57	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		520981	03/11/20 12:48	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	1	521079	03/12/20 10:28	CRL	TAL BUF

Client Sample ID: SB-R17

Lab Sample ID: 480-167131-5

Date Collected: 03/03/20 08:20

Matrix: Solid

Date Received: 03/07/20 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	520837	03/10/20 16:14	WJD	TAL BUF

Client Sample ID: SB-R17

Lab Sample ID: 480-167131-5

Date Collected: 03/03/20 08:20

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 81.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			520981	03/11/20 12:48	AMM	TAL BUF
Total/NA	Analysis	8260C		8	521079	03/12/20 10:51	CRL	TAL BUF

Client Sample ID: SB-R18

Lab Sample ID: 480-167131-6

Date Collected: 03/03/20 10:45

Matrix: Solid

Date Received: 03/07/20 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	520837	03/10/20 16:14	WJD	TAL BUF

Client Sample ID: SB-R18

Lab Sample ID: 480-167131-6

Date Collected: 03/03/20 10:45

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			520593	03/07/20 13:11	WJD	TAL BUF
Total/NA	Analysis	8260C		1	520657	03/10/20 00:23	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		520981	03/11/20 12:48	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	1	521079	03/12/20 11:15	CRL	TAL BUF

Client Sample ID: SB-R21

Lab Sample ID: 480-167131-7

Date Collected: 03/03/20 11:30

Matrix: Solid

Date Received: 03/07/20 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	520837	03/10/20 16:14	WJD	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R21

Lab Sample ID: 480-167131-7

Date Collected: 03/03/20 11:30

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 81.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			520593	03/07/20 13:11	WJD	TAL BUF
Total/NA	Analysis	8260C		1	520657	03/10/20 00:48	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		520981	03/11/20 12:48	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	2	521079	03/12/20 11:38	CRL	TAL BUF

Client Sample ID: SB-R30

Lab Sample ID: 480-167131-8

Date Collected: 03/04/20 09:00

Matrix: Solid

Date Received: 03/07/20 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	520837	03/10/20 16:14	WJD	TAL BUF

Client Sample ID: SB-R30

Lab Sample ID: 480-167131-8

Date Collected: 03/04/20 09:00

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			520593	03/07/20 13:11	WJD	TAL BUF
Total/NA	Analysis	8260C		1	520657	03/10/20 01:14	WJD	TAL BUF

Client Sample ID: SB-R36

Lab Sample ID: 480-167131-9

Date Collected: 03/04/20 10:15

Matrix: Solid

Date Received: 03/07/20 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	520837	03/10/20 16:14	WJD	TAL BUF

Client Sample ID: SB-R36

Lab Sample ID: 480-167131-9

Date Collected: 03/04/20 10:15

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 79.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			520593	03/07/20 13:11	WJD	TAL BUF
Total/NA	Analysis	8260C		1	520657	03/10/20 01:39	WJD	TAL BUF

Client Sample ID: SB-R9

Lab Sample ID: 480-167131-10

Date Collected: 03/04/20 13:20

Matrix: Solid

Date Received: 03/07/20 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	520837	03/10/20 16:14	WJD	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R9

Lab Sample ID: 480-167131-10

Date Collected: 03/04/20 13:20

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			520593	03/07/20 13:11	WJD	TAL BUF
Total/NA	Analysis	8260C		1	520657	03/10/20 02:05	WJD	TAL BUF

Client Sample ID: SB-R14

Lab Sample ID: 480-167131-11

Date Collected: 03/04/20 14:10

Matrix: Solid

Date Received: 03/07/20 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	520837	03/10/20 16:14	WJD	TAL BUF

Client Sample ID: SB-R14

Lab Sample ID: 480-167131-11

Date Collected: 03/04/20 14:10

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 80.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			520593	03/07/20 13:11	WJD	TAL BUF
Total/NA	Analysis	8260C		1	520657	03/10/20 02:30	WJD	TAL BUF

Client Sample ID: DUP-01

Lab Sample ID: 480-167131-12

Date Collected: 03/03/20 00:00

Matrix: Solid

Date Received: 03/07/20 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	520837	03/10/20 16:14	WJD	TAL BUF

Client Sample ID: DUP-01

Lab Sample ID: 480-167131-12

Date Collected: 03/03/20 00:00

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			520981	03/11/20 12:48	AMM	TAL BUF
Total/NA	Analysis	8260C		8	521079	03/12/20 12:01	CRL	TAL BUF

Client Sample ID: SB-R15

Lab Sample ID: 480-167131-13

Date Collected: 03/04/20 15:15

Matrix: Solid

Date Received: 03/07/20 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	520837	03/10/20 16:14	WJD	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R15

Lab Sample ID: 480-167131-13

Date Collected: 03/04/20 15:15

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 72.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			520593	03/07/20 13:11	WJD	TAL BUF
Total/NA	Analysis	8260C		1	520657	03/10/20 02:56	WJD	TAL BUF

Client Sample ID: SB-17

Lab Sample ID: 480-167131-14

Date Collected: 03/05/20 10:40

Matrix: Solid

Date Received: 03/07/20 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	520837	03/10/20 16:14	WJD	TAL BUF

Client Sample ID: SB-17

Lab Sample ID: 480-167131-14

Date Collected: 03/05/20 10:40

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			520981	03/11/20 12:48	AMM	TAL BUF
Total/NA	Analysis	8260C		4	521079	03/12/20 12:24	CRL	TAL BUF

Client Sample ID: SB-R7

Lab Sample ID: 480-167131-15

Date Collected: 03/05/20 12:20

Matrix: Solid

Date Received: 03/07/20 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	520837	03/10/20 16:14	WJD	TAL BUF

Client Sample ID: SB-R7

Lab Sample ID: 480-167131-15

Date Collected: 03/05/20 12:20

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 81.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			520593	03/07/20 13:11	WJD	TAL BUF
Total/NA	Analysis	8260C		1	520657	03/10/20 03:21	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		520981	03/11/20 12:48	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	1	521079	03/12/20 12:47	CRL	TAL BUF
Total/NA	Prep	3550C			520618	03/09/20 14:58	SGD	TAL BUF
Total/NA	Analysis	310.13		1	520606	03/10/20 08:02	MAN	TAL BUF
Total/NA	Prep	3550C			520487	03/09/20 07:41	SMP	TAL BUF
Total/NA	Analysis	8082A		1	520780	03/10/20 16:15	W1T	TAL BUF

Client Sample ID: DUP-02

Lab Sample ID: 480-167131-16

Date Collected: 03/05/20 00:00

Matrix: Solid

Date Received: 03/07/20 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	520837	03/10/20 16:14	WJD	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: DUP-02

Lab Sample ID: 480-167131-16

Date Collected: 03/05/20 00:00

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			520981	03/11/20 12:48	AMM	TAL BUF
Total/NA	Analysis	8260C		1	521079	03/12/20 13:10	CRL	TAL BUF
Total/NA	Prep	3550C			520618	03/09/20 14:58	SGD	TAL BUF
Total/NA	Analysis	310.13		1	520606	03/10/20 08:38	MAN	TAL BUF
Total/NA	Prep	3550C			520487	03/09/20 07:41	SMP	TAL BUF
Total/NA	Analysis	8082A		1	520780	03/10/20 19:27	W1T	TAL BUF

Client Sample ID: SB-R6

Lab Sample ID: 480-167131-17

Date Collected: 03/05/20 13:20

Matrix: Solid

Date Received: 03/07/20 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	520837	03/10/20 16:14	WJD	TAL BUF

Client Sample ID: SB-R6

Lab Sample ID: 480-167131-17

Date Collected: 03/05/20 13:20

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			520981	03/11/20 12:48	AMM	TAL BUF
Total/NA	Analysis	8260C		1	521079	03/12/20 16:37	CRL	TAL BUF

Client Sample ID: SB-R10

Lab Sample ID: 480-167131-18

Date Collected: 03/05/20 14:00

Matrix: Solid

Date Received: 03/07/20 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	520837	03/10/20 16:14	WJD	TAL BUF

Client Sample ID: SB-R10

Lab Sample ID: 480-167131-18

Date Collected: 03/05/20 14:00

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			520778	03/07/20 13:13	WJD	TAL BUF
Total/NA	Analysis	8260C		1	520701	03/10/20 14:36	CDC	TAL BUF
Total/NA	Prep	3550C			520618	03/09/20 14:58	SGD	TAL BUF
Total/NA	Analysis	310.13		1	520606	03/10/20 09:13	MAN	TAL BUF
Total/NA	Prep	3550C			520487	03/09/20 07:43	SMP	TAL BUF
Total/NA	Analysis	8082A		1	520780	03/10/20 19:40	W1T	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Client Sample ID: SB-R27

Lab Sample ID: 480-167131-19

Date Collected: 03/05/20 00:00

Matrix: Solid

Date Received: 03/07/20 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	520837	03/10/20 16:14	WJD	TAL BUF

Client Sample ID: SB-R27

Lab Sample ID: 480-167131-19

Date Collected: 03/05/20 00:00

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			520593	03/07/20 13:11	WJD	TAL BUF
Total/NA	Analysis	8260C		1	520657	03/10/20 04:37	WJD	TAL BUF

Client Sample ID: SB-R22

Lab Sample ID: 480-167131-20

Date Collected: 03/05/20 00:00

Matrix: Solid

Date Received: 03/07/20 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	520837	03/10/20 16:14	WJD	TAL BUF

Client Sample ID: SB-R22

Lab Sample ID: 480-167131-20

Date Collected: 03/05/20 00:00

Matrix: Solid

Date Received: 03/07/20 13:00

Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			520593	03/07/20 13:11	WJD	TAL BUF
Total/NA	Analysis	8260C		1	520657	03/10/20 05:03	WJD	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
310.13	3550C	Solid	Fuel Oil #2
310.13	3550C	Solid	Fuel Oil #4
310.13	3550C	Solid	Fuel Oil #6
310.13	3550C	Solid	Gasoline
310.13	3550C	Solid	Kerosene
310.13	3550C	Solid	Motor Oil
310.13	3550C	Solid	Unknown Hydrocarbons
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
310.13	Identification of Routine Petroleum Products	NYASP	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

NYASP = New York Analytical Services Protocol

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-167131-1	SB-R33	Solid	03/02/20 10:20	03/07/20 13:00	
480-167131-2	SB-R35	Solid	03/02/20 11:30	03/07/20 13:00	
480-167131-3	SB-R13	Solid	03/02/20 15:30	03/07/20 13:00	
480-167131-4	SB-R12	Solid	03/02/20 16:15	03/07/20 13:00	
480-167131-5	SB-R17	Solid	03/03/20 08:20	03/07/20 13:00	
480-167131-6	SB-R18	Solid	03/03/20 10:45	03/07/20 13:00	
480-167131-7	SB-R21	Solid	03/03/20 11:30	03/07/20 13:00	
480-167131-8	SB-R30	Solid	03/04/20 09:00	03/07/20 13:00	
480-167131-9	SB-R36	Solid	03/04/20 10:15	03/07/20 13:00	
480-167131-10	SB-R9	Solid	03/04/20 13:20	03/07/20 13:00	
480-167131-11	SB-R14	Solid	03/04/20 14:10	03/07/20 13:00	
480-167131-12	DUP-01	Solid	03/03/20 00:00	03/07/20 13:00	
480-167131-13	SB-R15	Solid	03/04/20 15:15	03/07/20 13:00	
480-167131-14	SB-17	Solid	03/05/20 10:40	03/07/20 13:00	
480-167131-15	SB-R7	Solid	03/05/20 12:20	03/07/20 13:00	
480-167131-16	DUP-02	Solid	03/05/20 00:00	03/07/20 13:00	
480-167131-17	SB-R6	Solid	03/05/20 13:20	03/07/20 13:00	
480-167131-18	SB-R10	Solid	03/05/20 14:00	03/07/20 13:00	
480-167131-19	SB-R27	Solid	03/05/20 00:00	03/07/20 13:00	
480-167131-20	SB-R22	Solid	03/05/20 00:00	03/07/20 13:00	



CHAIN OF CUSTODY

Client: New York State Dept. of
Environmental Conservation

PAGE OF

FED-EX Tracking #	Bottle Order Control #
Lab Quote #	Lab Job #

CLIENT/REPORTING INFORMATION		PROJECT INFORMATION		BILLING INFORMATION		REQUESTED ANALYSIS (see Test Code sheet)										LAB USE ONLY							
Groundwater & Environmental Services, Inc. 415 Lawrence Bell Drive, Williamsville, NY 14221 Project Manager: Thomas Palmer Phone #: 800-287-7857 Email: NERegion@gesonline.com fax: 866-902-2187		Project Name: NYSDEC/Frewsburg/NY/FalconerSt/300 Project Address: 300 Falconer Street, Frewsburg, NY Project PSID #: 0901685-05-216		NYSDEC NYSDEC PM: Maurice Moore Phone Number: (716) 851-7220 Email: maurice.moore@dec.ny.gov Lab PM: Orlette Johnson NYSDEC Site No.: 907016																			
Sampler(s) Name: Peter Zaffram - Pat Coleman		Sampler(s) Name: Peter Zaffram		number of preserved bottles																			
Lab Sample #	Field ID / Point of Collection (Sys_loc_code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Amber	VOCs via 8260C	PCBs via 8082A (9 Aroclors)	TPH 310-13				
	SB-R33	10-12	3/2/20	10:20	P.2	SS	12										X						
	SB-R35	4-6	3/2/20	11:30	P.2.	SS	4										X						
	SB-R13	8-12	3/2/20	15:30	P.2.	SS	4										X						
	SB-R12	8-10	3/2/20	16:15	P.2.	SS	4										X						
	SB-R17	4-6	3/3/20	08:00	P.2.	SS	4										X						
	SB-R18	14-16	3/3/20	10:45	P.2.	SS	4										X						
	SB-R21	8-10	3/3/20	11:30	P.2.	SS	4										X						
	SB-R30	12-15	3/4/20	09:00	P.2.	SS	4										X						
	SB-R36	10-12	3/4/20	10:15	P.2.	SS	4										X						
	SB-R9	8-11	3/4/20	13:20	P.2.	SS	4										X						
	SB-R14	8-10	3/4/20	14:10	P.2.	SS	4										X						
	DUP-01	-	3/3/20	-	P.2.	SS	4										X						

Turnaround Time (Business Days) Approved By (Lab PM) / Date

☒ Standard 14 Days

☐ 1 day RUSH

☐ Other

Laboratory Information

Lab: TestAmerica Buffalo

Address: 15 Hazelwood Drive, Amherst, NY

Phone: 484-685-0864

Lab PM: Orlette Johnson

Lab PM Email: Orlette.Johnson@testamericainc.com

Data Deliverable Information

☐ Commercial 'A' (Level 1) = Results Only

☐ Commercial 'B' (Level 2) = Results + QC Summary

☐ FULLT1 (Level 3 & 4)

☐ NJ Reduced = Results + QC Summary + Partial Raw Data

☐ Commercial 'C'

☐ NJ Data of Known Quality Protocol Reporting

☐ NYASP Category A

☒ NYASP Category B

☐ State Forms

☒ NYDEC EDD

☒ EQEDD

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSDEC/Frewsburg/NY/FalconerSt/300_LabReport#.27908.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By Sampler:	Date / Time:	Received By:	
1 <i>Peter Zaffram</i>	1 3/5/20 17:30	1 <i>Office</i>	
Relinquished By:	Date / Time:	Received By:	
2 <i>Joe H. McK</i>	2 3/6/20 13:00	2 <i>Carroll</i> 3/6/20 13:00	
Relinquished By:	Date / Time:	Received By:	
3	3	3	
Custody Seal Number: ☐ Intact ☐ Preserved where applicable			
☐ Not Intact ☐ On Ice Cooler Temp _____			



480-167131 Chain of Custody

3/26/2020

CHAIN OF CUSTODY

**Client: New York State Dept. of
Environmental Conservation**

PAGE OF

FED-EX Tracking #	Bottle Order Control #
Lab Quote #	Lab Job #

[illegible]

Turnaround Time (Business Days) Approved By (Lab PM) / Date

☒ Standard 14 Days

1 day RUSH

☐ Other

Laboratory Information

Lab: TestAmerica Buffalo

Address: 15 Hazelwood Drive, Amherst, NY

Phone: 484-685-0864

Lab PM: Orlette Johnson

Lab PM Email: Orlette.Johnson@testamericainc.com

Data Deliverable Information

Commercial 'A' (Level 1) = Results Only

Commercial 'B' (Level 2) = Results + QC Summary

FULLT1 (Level 3 & 4)

┐ NJ Reduced = Results + QC Summary + Partial Raw Data

Commercial 'C'

NJ Data of Known Quality Protocol Reporting

☐ NYASP Category A

 NYASP Category B

State Forms

☒ EQEDD

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSDEC/Frewsburg/NY/FalconerSt/300 LabReport#.27908.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By Sampler:	Date / Time:	Received By:	
1 <i>[Signature]</i>	1 3/6/20 1730	1 <i>[Signature]</i>	
Relinquished By:	Date / Time:	Received By:	
2 <i>[Signature]</i>	2 3/6/20 1300	2 <i>[Signature]</i>	
Relinquished By:	Date / Time:	Received By:	
3	3		
Custody Seal Number:	☐ Intact	☐ Preserved where applicable	
	☐ Not Intact	☐ On Ice Cooler Temp _____	

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3/26/2020

Age Group	Number of People
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-167131-1

Login Number: 167131

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Harper, Marcus D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	False	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	vials placed into frozen storage on 03/07 @ 10:10 am
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ges
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Quantitation Limit Exceptions Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167131-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
310.13	Fuel Oil #2	Solid	Total/NA	mg/Kg	0.25	16.67
310.13	Motor Oil	Solid	Total/NA	mg/Kg	33	33.33

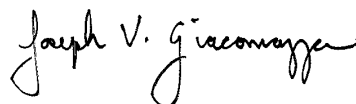
ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-167472-1
Client Project/Site: Frewsburg Site #907016

For:
New York State D.E.C.
270 Michigan Avenue
Buffalo, New York 14203

Attn: Mr. Maurice Moore



Authorized for release by:
3/30/2020 1:08:29 PM

Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

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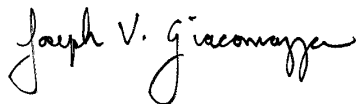
The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Management Assistant II
3/30/2020 1:08:29 PM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
F7	MS/MSD RPD exceeds control limits. Sample size differs by <10%
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate recovery exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Job ID: 480-167472-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-167472-1

Comments

No additional comments.

Receipt

The samples were received on 3/13/2020 3:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.4° C.

Receipt Exceptions

The following samples were preserved via freezing on 03/13/20 at 17:10: SB-R11 (480-167472-1), SB-R4 (480-167472-2), SB-R3 (480-167472-3), SB-R3 (480-167472-3[MS]), SB-R3 (480-167472-3[MSD]), SB-R101 (480-167472-4), SB-R1 (480-167472-5), SB-R38 (480-167472-6), SB-R43 (480-167472-7), SB-R42 (480-167472-8), SB-R37 (480-167472-9), SB-R40 (480-167472-10), SB-R41 (480-167472-11) and DUP-03 (480-167472-12) .

Samples were received outside of 48hr freeze time required by method, for 8260FP/FM.

SB-R11 (480-167472-1), SB-R4 (480-167472-2), SB-R3 (480-167472-3), SB-R3 (480-167472-3[MS]), SB-R3 (480-167472-3[MSD]), SB-R101 (480-167472-4), SB-R1 (480-167472-5), SB-R38 (480-167472-6), SB-R43 (480-167472-7), SB-R42 (480-167472-8), SB-R37 (480-167472-9), SB-R40 (480-167472-10), SB-R41 (480-167472-11) and DUP-03 (480-167472-12)

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-521892 recovered outside acceptance criteria, low biased, for Cyclohexane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-521892 recovered above the upper control limit for 1,4-Dioxane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SB-R11 (480-167472-1), SB-R4 (480-167472-2), SB-R3 (480-167472-3), SB-R101 (480-167472-4), SB-R1 (480-167472-5), SB-R38 (480-167472-6), SB-R43 (480-167472-7), SB-R42 (480-167472-8), SB-R37 (480-167472-9), SB-R40 (480-167472-10), SB-R41 (480-167472-11) and DUP-03 (480-167472-12).

Method 8260C: The following sample was analyzed using medium level soil analysis due to the nature of the sample matrix: SB-R11 (480-167472-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: SB-R4 (480-167472-2), SB-R3 (480-167472-3), SB-R3 (480-167472-3[MS]), SB-R3 (480-167472-3[MSD]), SB-R101 (480-167472-4), SB-R1 (480-167472-5), SB-R42 (480-167472-8) and DUP-03 (480-167472-12). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: SB-R38 (480-167472-6), SB-R43 (480-167472-7), SB-R37 (480-167472-9), SB-R40 (480-167472-10) and SB-R41 (480-167472-11). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted due to the nature of the sample matrix: SB-R3 (480-167472-3[MS]) and SB-R3 (480-167472-3[MSD]). Because of this dilution, the matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-522089 recovered outside acceptance criteria, low biased, for Trichlorofluoromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-522089 recovered above the upper control limit for 1,4-Dioxane. The sample associated with this CCV was non-detect for the affected analyte; therefore, the data have been reported. The associated sample is impacted: SB-R101 (480-167472-4).

Case Narrative

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Job ID: 480-167472-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method 8260C: The following sample was analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: SB-R101 (480-167472-4). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8082A: The continuing calibration verification (CCV) associated with batch 480-522032 recovered above the upper control limit for PCB-1221. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: SB-R11 (480-167472-1), SB-R3 (480-167472-3) and SB-R101 (480-167472-4).

Method 8082A: Surrogate recovery for the following sample was outside control limits: SB-R101 (480-167472-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8082A: The following sample was diluted due to the nature of the sample matrix: SB-R101 (480-167472-4). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method 3550C: The following sample: SB-R11 (480-167472-1) was decanted prior to preparation.

Method 3550C: Due to the matrix, the following sample could not be concentrated to the final method required volume: SB-R101 (480-167472-4). The reporting limits (RLs) are elevated proportionately.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R11

Lab Sample ID: 480-167472-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	22	J	42	12	ug/Kg	1		✱	8260C	Total/NA
Trichloroethene	40	J	42	12	ug/Kg	1		✱	8260C	Total/NA
Motor Oil	1600		37	37	mg/Kg	1		✱	310.13	Total/NA

Client Sample ID: SB-R4

Lab Sample ID: 480-167472-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	13000		1400	390	ug/Kg	25		✱	8260C	Total/NA
Trichloroethene	61000		1400	400	ug/Kg	25		✱	8260C	Total/NA

Client Sample ID: SB-R3

Lab Sample ID: 480-167472-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	7000		510	140	ug/Kg	10		✱	8260C	Total/NA
Tetrachloroethene	210	J	510	68	ug/Kg	10		✱	8260C	Total/NA
Trichloroethene	20000		510	140	ug/Kg	10		✱	8260C	Total/NA
Vinyl chloride	940	F1	510	170	ug/Kg	10		✱	8260C	Total/NA
Motor Oil	73		38	38	mg/Kg	1		✱	310.13	Total/NA
Fuel Oil #2	25		19	19	mg/Kg	1		✱	310.13	Total/NA

Client Sample ID: SB-R101

Lab Sample ID: 480-167472-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethene	2400	J	6200	2200	ug/Kg	100		✱	8260C	Total/NA
cis-1,2-Dichloroethene	460000		6200	1700	ug/Kg	100		✱	8260C	Total/NA
Trichloroethene	1400000	E	6200	1700	ug/Kg	100		✱	8260C	Total/NA
Vinyl chloride	16000		6200	2100	ug/Kg	100		✱	8260C	Total/NA
cis-1,2-Dichloroethene - DL	610000		31000	8600	ug/Kg	500		✱	8260C	Total/NA
Trichloroethene - DL	1900000		31000	8600	ug/Kg	500		✱	8260C	Total/NA
Vinyl chloride - DL	20000	J	31000	10000	ug/Kg	500		✱	8260C	Total/NA
Motor Oil	20000		430	430	mg/Kg	1		✱	310.13	Total/NA
Fuel Oil #2	6200		210	210	mg/Kg	1		✱	310.13	Total/NA
PCB-1254	1.8		1.1	0.53	mg/Kg	5		✱	8082A	Total/NA

Client Sample ID: SB-R1

Lab Sample ID: 480-167472-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	72000		2400	660	ug/Kg	50		✱	8260C	Total/NA
Trichloroethene	33000		2400	670	ug/Kg	50		✱	8260C	Total/NA
Vinyl chloride	2300	J	2400	800	ug/Kg	50		✱	8260C	Total/NA

Client Sample ID: SB-R38

Lab Sample ID: 480-167472-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1100		59	16	ug/Kg	1		✱	8260C	Total/NA
Toluene	18	J	59	16	ug/Kg	1		✱	8260C	Total/NA
Trichloroethene	1300		59	16	ug/Kg	1		✱	8260C	Total/NA
Vinyl chloride	510		59	20	ug/Kg	1		✱	8260C	Total/NA

Client Sample ID: SB-R43

Lab Sample ID: 480-167472-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	150		50	14	ug/Kg	1		✱	8260C	Total/NA
Toluene	15	J	50	13	ug/Kg	1		✱	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R43 (Continued)

Lab Sample ID: 480-167472-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Trichloroethene	170		50	14	ug/Kg	1		✱	8260C	Total/NA
Vinyl chloride	79		50	17	ug/Kg	1		✱	8260C	Total/NA

Client Sample ID: SB-R42

Lab Sample ID: 480-167472-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5000		150	41	ug/Kg	2		✱	8260C	Total/NA
Trichloroethene	6400		150	42	ug/Kg	2		✱	8260C	Total/NA
Vinyl chloride	770		150	50	ug/Kg	2		✱	8260C	Total/NA

Client Sample ID: SB-R37

Lab Sample ID: 480-167472-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	40	J	53	15	ug/Kg	1		✱	8260C	Total/NA
Trichloroethene	67		53	15	ug/Kg	1		✱	8260C	Total/NA

Client Sample ID: SB-R40

Lab Sample ID: 480-167472-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	210		55	15	ug/Kg	1		✱	8260C	Total/NA
Toluene	24	J	55	15	ug/Kg	1		✱	8260C	Total/NA
Trichloroethene	260		55	15	ug/Kg	1		✱	8260C	Total/NA
Vinyl chloride	86		55	18	ug/Kg	1		✱	8260C	Total/NA

Client Sample ID: SB-R41

Lab Sample ID: 480-167472-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	52	J	58	16	ug/Kg	1		✱	8260C	Total/NA
Trichloroethene	64		58	16	ug/Kg	1		✱	8260C	Total/NA

Client Sample ID: DUP-03

Lab Sample ID: 480-167472-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	630		110	30	ug/Kg	2		✱	8260C	Total/NA
Trichloroethene	3600		110	31	ug/Kg	2		✱	8260C	Total/NA
Vinyl chloride	290		110	37	ug/Kg	2		✱	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R11

Lab Sample ID: 480-167472-1

Date Collected: 03/09/20 09:50

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 88.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		42	12	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
1,1,2,2-Tetrachloroethane	ND		42	6.9	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
1,1,2-Trichloroethane	ND		42	8.9	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		42	21	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
1,1-Dichloroethane	ND		42	13	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
1,1-Dichloroethene	ND		42	15	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
1,2,4-Trichlorobenzene	ND		42	16	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
1,2-Dibromo-3-Chloropropane	ND		42	21	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
1,2-Dichlorobenzene	ND		42	11	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
1,2-Dichloroethane	ND		42	17	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
1,2-Dichloropropane	ND		42	6.9	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
1,3-Dichlorobenzene	ND		42	11	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
1,4-Dichlorobenzene	ND		42	5.9	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
2-Butanone (MEK)	ND		210	130	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
2-Hexanone	ND		210	87	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
4-Methyl-2-pentanone (MIBK)	ND		210	14	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Acetone	ND		210	170	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Benzene	ND		42	8.1	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Bromodichloromethane	ND		42	8.5	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Bromoform	ND		42	21	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Bromomethane	ND		42	9.3	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Carbon disulfide	ND		42	19	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Carbon tetrachloride	ND		42	11	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Chlorobenzene	ND		42	5.6	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Dibromochloromethane	ND		42	21	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Chloroethane	ND		42	8.8	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Chloroform	ND		42	29	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Chloromethane	ND		42	10	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
1,4-Dioxane	ND		810	220	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
cis-1,2-Dichloroethene	22 J		42	12	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
cis-1,3-Dichloropropene	ND		42	10	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Cyclohexane	ND		42	9.4	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Dichlorodifluoromethane	ND		42	19	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Ethylbenzene	ND		42	12	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
1,2-Dibromoethane	ND		42	7.4	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Isopropylbenzene	ND		42	6.4	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Methyl acetate	ND		210	20	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Methyl tert-butyl ether	ND		42	16	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Methylcyclohexane	ND		42	20	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Methylene Chloride	ND		42	8.4	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Styrene	ND		42	10	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Tetrachloroethene	ND		42	5.7	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Toluene	ND		42	11	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
trans-1,2-Dichloroethene	ND		42	10	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
trans-1,3-Dichloropropene	ND		42	4.2	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Trichloroethene	40 J		42	12	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Trichlorofluoromethane	ND		42	20	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Vinyl chloride	ND		42	14	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1
Xylenes, Total	ND		85	24	ug/Kg	☼	03/16/20 15:37	03/18/20 09:29	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R11

Lab Sample ID: 480-167472-1

Date Collected: 03/09/20 09:50

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 88.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		50 - 149	03/16/20 15:37	03/18/20 09:29	1
1,2-Dichloroethane-d4 (Surr)	98		53 - 146	03/16/20 15:37	03/18/20 09:29	1
4-Bromofluorobenzene (Surr)	105		49 - 148	03/16/20 15:37	03/18/20 09:29	1
Dibromofluoromethane (Surr)	93		60 - 140	03/16/20 15:37	03/18/20 09:29	1

Method: 310.13 - Identification of Routine Petroleum Products

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		7.4	7.4	mg/Kg	✱	03/16/20 15:10	03/17/20 12:06	1
Kerosene	ND		18	18	mg/Kg	✱	03/16/20 15:10	03/17/20 12:06	1
Motor Oil	1600		37	37	mg/Kg	✱	03/16/20 15:10	03/17/20 12:06	1
Fuel Oil #2	ND		18	18	mg/Kg	✱	03/16/20 15:10	03/17/20 12:06	1
Fuel Oil #4	ND		18	18	mg/Kg	✱	03/16/20 15:10	03/17/20 12:06	1
Fuel Oil #6	ND		18	18	mg/Kg	✱	03/16/20 15:10	03/17/20 12:06	1
Unknown Hydrocarbons	ND		18	18	mg/Kg	✱	03/16/20 15:10	03/17/20 12:06	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.045	mg/Kg	✱	03/17/20 15:05	03/18/20 17:08	1
PCB-1221	ND		0.23	0.045	mg/Kg	✱	03/17/20 15:05	03/18/20 17:08	1
PCB-1232	ND		0.23	0.045	mg/Kg	✱	03/17/20 15:05	03/18/20 17:08	1
PCB-1242	ND		0.23	0.045	mg/Kg	✱	03/17/20 15:05	03/18/20 17:08	1
PCB-1248	ND		0.23	0.045	mg/Kg	✱	03/17/20 15:05	03/18/20 17:08	1
PCB-1254	ND		0.23	0.11	mg/Kg	✱	03/17/20 15:05	03/18/20 17:08	1
PCB-1260	ND		0.23	0.11	mg/Kg	✱	03/17/20 15:05	03/18/20 17:08	1
PCB-1262	ND		0.23	0.11	mg/Kg	✱	03/17/20 15:05	03/18/20 17:08	1
PCB-1268	ND		0.23	0.11	mg/Kg	✱	03/17/20 15:05	03/18/20 17:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	106		60 - 154	03/17/20 15:05	03/18/20 17:08	1
DCB Decachlorobiphenyl	86		65 - 174	03/17/20 15:05	03/18/20 17:08	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R4

Lab Sample ID: 480-167472-2

Date Collected: 03/09/20 14:40

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 82.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1400	390	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
1,1,2,2-Tetrachloroethane	ND		1400	230	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
1,1,2-Trichloroethane	ND		1400	300	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1400	710	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
1,1-Dichloroethane	ND		1400	440	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
1,1-Dichloroethene	ND		1400	490	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
1,2,4-Trichlorobenzene	ND		1400	540	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
1,2-Dibromo-3-Chloropropane	ND		1400	710	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
1,2-Dichlorobenzene	ND		1400	360	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
1,2-Dichloroethane	ND		1400	580	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
1,2-Dichloropropane	ND		1400	230	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
1,3-Dichlorobenzene	ND		1400	380	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
1,4-Dichlorobenzene	ND		1400	200	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
2-Butanone (MEK)	ND		7100	4200	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
2-Hexanone	ND		7100	2900	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
4-Methyl-2-pentanone (MIBK)	ND		7100	460	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Acetone	ND		7100	5900	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Benzene	ND		1400	270	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Bromodichloromethane	ND		1400	290	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Bromoform	ND		1400	710	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Bromomethane	ND		1400	310	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Carbon disulfide	ND		1400	650	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Carbon tetrachloride	ND		1400	360	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Chlorobenzene	ND		1400	190	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Dibromochloromethane	ND		1400	690	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Chloroethane	ND		1400	300	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Chloroform	ND		1400	980	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Chloromethane	ND		1400	340	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
1,4-Dioxane	ND		27000	7300	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
cis-1,2-Dichloroethene	13000		1400	390	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
cis-1,3-Dichloropropene	ND		1400	340	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Cyclohexane	ND		1400	320	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Dichlorodifluoromethane	ND		1400	620	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Ethylbenzene	ND		1400	410	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
1,2-Dibromoethane	ND		1400	250	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Isopropylbenzene	ND		1400	210	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Methyl acetate	ND		7100	680	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Methyl tert-butyl ether	ND		1400	540	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Methylcyclohexane	ND		1400	670	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Methylene Chloride	ND		1400	280	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Styrene	ND		1400	340	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Tetrachloroethene	ND		1400	190	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Toluene	ND		1400	380	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
trans-1,2-Dichloroethene	ND		1400	340	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
trans-1,3-Dichloropropene	ND		1400	140	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Trichloroethene	61000		1400	400	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Trichlorofluoromethane	ND		1400	670	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Vinyl chloride	ND		1400	480	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25
Xylenes, Total	ND		2900	790	ug/Kg	☼	03/16/20 15:37	03/18/20 09:52	25

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R4

Date Collected: 03/09/20 14:40

Date Received: 03/13/20 15:35

Lab Sample ID: 480-167472-2

Matrix: Solid

Percent Solids: 82.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		50 - 149	03/16/20 15:37	03/18/20 09:52	25
1,2-Dichloroethane-d4 (Surr)	95		53 - 146	03/16/20 15:37	03/18/20 09:52	25
4-Bromofluorobenzene (Surr)	104		49 - 148	03/16/20 15:37	03/18/20 09:52	25
Dibromofluoromethane (Surr)	95		60 - 140	03/16/20 15:37	03/18/20 09:52	25

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R3

Lab Sample ID: 480-167472-3

Date Collected: 03/10/20 10:30

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 85.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		510	140	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
1,1,2,2-Tetrachloroethane	ND	F1	510	83	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
1,1,2-Trichloroethane	ND	F1	510	110	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		510	250	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
1,1-Dichloroethane	ND		510	160	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
1,1-Dichloroethene	ND		510	180	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
1,2,4-Trichlorobenzene	ND	F1	510	190	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
1,2-Dibromo-3-Chloropropane	ND	F1	510	250	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
1,2-Dichlorobenzene	ND	F1	510	130	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
1,2-Dichloroethane	ND		510	210	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
1,2-Dichloropropane	ND		510	82	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
1,3-Dichlorobenzene	ND	F1	510	140	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
1,4-Dichlorobenzene	ND		510	71	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
2-Butanone (MEK)	ND	F1	2500	1500	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
2-Hexanone	ND	F1	2500	1000	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
4-Methyl-2-pentanone (MIBK)	ND	F1	2500	160	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Acetone	ND	F1	2500	2100	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Benzene	ND		510	97	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Bromodichloromethane	ND		510	100	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Bromoform	ND		510	250	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Bromomethane	ND		510	110	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Carbon disulfide	ND		510	230	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Carbon tetrachloride	ND		510	130	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Chlorobenzene	ND	F1	510	67	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Dibromochloromethane	ND		510	250	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Chloroethane	ND		510	110	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Chloroform	ND		510	350	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Chloromethane	ND		510	120	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
1,4-Dioxane	ND	F2 F1	9700	2600	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
cis-1,2-Dichloroethene	7000		510	140	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
cis-1,3-Dichloropropene	ND		510	120	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Cyclohexane	ND		510	110	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Dichlorodifluoromethane	ND		510	220	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Ethylbenzene	ND		510	150	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
1,2-Dibromoethane	ND	F1	510	89	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Isopropylbenzene	ND		510	76	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Methyl acetate	ND	F1	2500	240	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Methyl tert-butyl ether	ND	F1	510	190	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Methylcyclohexane	ND		510	240	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Methylene Chloride	ND		510	100	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Styrene	ND	F1	510	120	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Tetrachloroethene	210	J	510	68	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Toluene	ND	F1	510	140	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
trans-1,2-Dichloroethene	ND		510	120	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
trans-1,3-Dichloropropene	ND		510	50	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Trichloroethene	20000		510	140	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Trichlorofluoromethane	ND		510	240	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Vinyl chloride	940	F1	510	170	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10
Xylenes, Total	ND	F1	1000	280	ug/Kg	☼	03/16/20 15:37	03/18/20 10:15	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R3

Lab Sample ID: 480-167472-3

Date Collected: 03/10/20 10:30

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 85.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		50 - 149	03/16/20 15:37	03/18/20 10:15	10
1,2-Dichloroethane-d4 (Surr)	100		53 - 146	03/16/20 15:37	03/18/20 10:15	10
4-Bromofluorobenzene (Surr)	101		49 - 148	03/16/20 15:37	03/18/20 10:15	10
Dibromofluoromethane (Surr)	98		60 - 140	03/16/20 15:37	03/18/20 10:15	10

Method: 310.13 - Identification of Routine Petroleum Products

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		7.6	7.6	mg/Kg	✱	03/16/20 15:10	03/17/20 10:19	1
Kerosene	ND		19	19	mg/Kg	✱	03/16/20 15:10	03/17/20 10:19	1
Motor Oil	73		38	38	mg/Kg	✱	03/16/20 15:10	03/17/20 10:19	1
Fuel Oil #2	25		19	19	mg/Kg	✱	03/16/20 15:10	03/17/20 10:19	1
Fuel Oil #4	ND		19	19	mg/Kg	✱	03/16/20 15:10	03/17/20 10:19	1
Fuel Oil #6	ND		19	19	mg/Kg	✱	03/16/20 15:10	03/17/20 10:19	1
Unknown Hydrocarbons	ND		19	19	mg/Kg	✱	03/16/20 15:10	03/17/20 10:19	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.047	mg/Kg	✱	03/17/20 15:05	03/18/20 16:43	1
PCB-1221	ND		0.24	0.047	mg/Kg	✱	03/17/20 15:05	03/18/20 16:43	1
PCB-1232	ND		0.24	0.047	mg/Kg	✱	03/17/20 15:05	03/18/20 16:43	1
PCB-1242	ND		0.24	0.047	mg/Kg	✱	03/17/20 15:05	03/18/20 16:43	1
PCB-1248	ND		0.24	0.047	mg/Kg	✱	03/17/20 15:05	03/18/20 16:43	1
PCB-1254	ND		0.24	0.11	mg/Kg	✱	03/17/20 15:05	03/18/20 16:43	1
PCB-1260	ND		0.24	0.11	mg/Kg	✱	03/17/20 15:05	03/18/20 16:43	1
PCB-1262	ND		0.24	0.11	mg/Kg	✱	03/17/20 15:05	03/18/20 16:43	1
PCB-1268	ND		0.24	0.11	mg/Kg	✱	03/17/20 15:05	03/18/20 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	121		60 - 154	03/17/20 15:05	03/18/20 16:43	1
DCB Decachlorobiphenyl	94		65 - 174	03/17/20 15:05	03/18/20 16:43	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R101

Lab Sample ID: 480-167472-4

Date Collected: 03/10/20 14:35

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 77.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6200	1700	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
1,1,2,2-Tetrachloroethane	ND		6200	1000	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
1,1,2-Trichloroethane	ND		6200	1300	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6200	3100	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
1,1-Dichloroethane	ND		6200	1900	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
1,1-Dichloroethene	2400	J	6200	2200	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
1,2,4-Trichlorobenzene	ND		6200	2400	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
1,2-Dibromo-3-Chloropropane	ND		6200	3100	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
1,2-Dichlorobenzene	ND		6200	1600	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
1,2-Dichloroethane	ND		6200	2500	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
1,2-Dichloropropane	ND		6200	1000	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
1,3-Dichlorobenzene	ND		6200	1700	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
1,4-Dichlorobenzene	ND		6200	870	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
2-Butanone (MEK)	ND		31000	18000	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
2-Hexanone	ND		31000	13000	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
4-Methyl-2-pentanone (MIBK)	ND		31000	2000	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Acetone	ND		31000	26000	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Benzene	ND		6200	1200	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Bromodichloromethane	ND		6200	1200	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Bromoform	ND		6200	3100	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Bromomethane	ND		6200	1400	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Carbon disulfide	ND		6200	2800	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Carbon tetrachloride	ND		6200	1600	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Chlorobenzene	ND		6200	820	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Dibromochloromethane	ND		6200	3000	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Chloroethane	ND		6200	1300	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Chloroform	ND		6200	4300	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Chloromethane	ND		6200	1500	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
1,4-Dioxane	ND		120000	32000	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
cis-1,2-Dichloroethene	460000		6200	1700	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
cis-1,3-Dichloropropene	ND		6200	1500	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Cyclohexane	ND		6200	1400	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Dichlorodifluoromethane	ND		6200	2700	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Ethylbenzene	ND		6200	1800	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
1,2-Dibromoethane	ND		6200	1100	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Isopropylbenzene	ND		6200	930	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Methyl acetate	ND		31000	3000	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Methyl tert-butyl ether	ND		6200	2400	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Methylcyclohexane	ND		6200	2900	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Methylene Chloride	ND		6200	1200	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Styrene	ND		6200	1500	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Tetrachloroethene	ND		6200	840	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Toluene	ND		6200	1700	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
trans-1,2-Dichloroethene	ND		6200	1500	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
trans-1,3-Dichloropropene	ND		6200	610	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Trichloroethene	1400000	E	6200	1700	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Trichlorofluoromethane	ND		6200	2900	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Vinyl chloride	16000		6200	2100	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100
Xylenes, Total	ND		12000	3400	ug/Kg	☼	03/16/20 15:37	03/18/20 10:39	100

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R101

Lab Sample ID: 480-167472-4

Date Collected: 03/10/20 14:35

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 77.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		50 - 149	03/16/20 15:37	03/18/20 10:39	100
1,2-Dichloroethane-d4 (Surr)	102		53 - 146	03/16/20 15:37	03/18/20 10:39	100
4-Bromofluorobenzene (Surr)	103		49 - 148	03/16/20 15:37	03/18/20 10:39	100
Dibromofluoromethane (Surr)	99		60 - 140	03/16/20 15:37	03/18/20 10:39	100

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		31000	8600	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
1,1,2,2-Tetrachloroethane	ND		31000	5000	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
1,1,2-Trichloroethane	ND		31000	6500	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		31000	16000	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
1,1-Dichloroethane	ND		31000	9600	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
1,1-Dichloroethene	ND		31000	11000	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
1,2,4-Trichlorobenzene	ND		31000	12000	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
1,2-Dibromo-3-Chloropropane	ND		31000	16000	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
1,2-Dichlorobenzene	ND		31000	7900	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
1,2-Dichloroethane	ND		31000	13000	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
1,2-Dichloropropane	ND		31000	5000	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
1,3-Dichlorobenzene	ND		31000	8300	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
1,4-Dichlorobenzene	ND		31000	4400	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
2-Butanone (MEK)	ND		160000	92000	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
2-Hexanone	ND		160000	64000	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
4-Methyl-2-pentanone (MIBK)	ND		160000	9900	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Acetone	ND		160000	130000	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Benzene	ND		31000	5900	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Bromodichloromethane	ND		31000	6200	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Bromoform	ND		31000	16000	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Bromomethane	ND		31000	6800	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Carbon disulfide	ND		31000	14000	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Carbon tetrachloride	ND		31000	7900	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Chlorobenzene	ND		31000	4100	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Dibromochloromethane	ND		31000	15000	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Chloroethane	ND		31000	6500	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Chloroform	ND		31000	21000	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Chloromethane	ND		31000	7400	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
1,4-Dioxane	ND		590000	160000	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
cis-1,2-Dichloroethene	610000		31000	8600	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
cis-1,3-Dichloropropene	ND		31000	7400	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Cyclohexane	ND		31000	6900	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Dichlorodifluoromethane	ND		31000	14000	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Ethylbenzene	ND		31000	9000	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
1,2-Dibromoethane	ND		31000	5400	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Isopropylbenzene	ND		31000	4700	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Methyl acetate	ND		160000	15000	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Methyl tert-butyl ether	ND		31000	12000	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Methylcyclohexane	ND		31000	15000	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Methylene Chloride	ND		31000	6200	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Styrene	ND		31000	7500	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Tetrachloroethene	ND		31000	4200	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Toluene	ND		31000	8300	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R101

Lab Sample ID: 480-167472-4

Date Collected: 03/10/20 14:35

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 77.6

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		31000	7300	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
trans-1,3-Dichloropropene	ND		31000	3100	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Trichloroethene	1900000		31000	8600	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Trichlorofluoromethane	ND		31000	15000	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Vinyl chloride	20000 J		31000	10000	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500
Xylenes, Total	ND		62000	17000	ug/Kg	☼	03/16/20 15:37	03/19/20 17:35	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		50 - 149	03/16/20 15:37	03/19/20 17:35	500
1,2-Dichloroethane-d4 (Surr)	97		53 - 146	03/16/20 15:37	03/19/20 17:35	500
4-Bromofluorobenzene (Surr)	107		49 - 148	03/16/20 15:37	03/19/20 17:35	500
Dibromofluoromethane (Surr)	99		60 - 140	03/16/20 15:37	03/19/20 17:35	500

Method: 310.13 - Identification of Routine Petroleum Products

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		85	85	mg/Kg	☼	03/16/20 15:10	03/17/20 12:41	1
Kerosene	ND		210	210	mg/Kg	☼	03/16/20 15:10	03/17/20 12:41	1
Motor Oil	20000		430	430	mg/Kg	☼	03/16/20 15:10	03/17/20 12:41	1
Fuel Oil #2	6200		210	210	mg/Kg	☼	03/16/20 15:10	03/17/20 12:41	1
Fuel Oil #4	ND		210	210	mg/Kg	☼	03/16/20 15:10	03/17/20 12:41	1
Fuel Oil #6	ND		210	210	mg/Kg	☼	03/16/20 15:10	03/17/20 12:41	1
Unknown Hydrocarbons	ND		210	210	mg/Kg	☼	03/16/20 15:10	03/17/20 12:41	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		1.1	0.22	mg/Kg	☼	03/17/20 15:05	03/18/20 17:21	5
PCB-1221	ND		1.1	0.22	mg/Kg	☼	03/17/20 15:05	03/18/20 17:21	5
PCB-1232	ND		1.1	0.22	mg/Kg	☼	03/17/20 15:05	03/18/20 17:21	5
PCB-1242	ND		1.1	0.22	mg/Kg	☼	03/17/20 15:05	03/18/20 17:21	5
PCB-1248	ND		1.1	0.22	mg/Kg	☼	03/17/20 15:05	03/18/20 17:21	5
PCB-1254	1.8		1.1	0.53	mg/Kg	☼	03/17/20 15:05	03/18/20 17:21	5
PCB-1260	ND		1.1	0.53	mg/Kg	☼	03/17/20 15:05	03/18/20 17:21	5
PCB-1262	ND		1.1	0.53	mg/Kg	☼	03/17/20 15:05	03/18/20 17:21	5
PCB-1268	ND		1.1	0.53	mg/Kg	☼	03/17/20 15:05	03/18/20 17:21	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	98		60 - 154	03/17/20 15:05	03/18/20 17:21	5
DCB Decachlorobiphenyl	50 X		65 - 174	03/17/20 15:05	03/18/20 17:21	5

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R1

Lab Sample ID: 480-167472-5

Date Collected: 03/10/20 16:15

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 85.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2400	670	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
1,1,2,2-Tetrachloroethane	ND		2400	390	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
1,1,2-Trichloroethane	ND		2400	500	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2400	1200	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
1,1-Dichloroethane	ND		2400	740	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
1,1-Dichloroethene	ND		2400	830	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
1,2,4-Trichlorobenzene	ND		2400	910	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
1,2-Dibromo-3-Chloropropane	ND		2400	1200	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
1,2-Dichlorobenzene	ND		2400	610	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
1,2-Dichloroethane	ND		2400	980	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
1,2-Dichloropropane	ND		2400	390	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
1,3-Dichlorobenzene	ND		2400	640	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
1,4-Dichlorobenzene	ND		2400	340	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
2-Butanone (MEK)	ND		12000	7100	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
2-Hexanone	ND		12000	4900	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
4-Methyl-2-pentanone (MIBK)	ND		12000	770	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Acetone	ND		12000	9900	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Benzene	ND		2400	460	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Bromodichloromethane	ND		2400	480	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Bromoform	ND		2400	1200	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Bromomethane	ND		2400	530	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Carbon disulfide	ND		2400	1100	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Carbon tetrachloride	ND		2400	610	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Chlorobenzene	ND		2400	320	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Dibromochloromethane	ND		2400	1200	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Chloroethane	ND		2400	500	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Chloroform	ND		2400	1600	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Chloromethane	ND		2400	570	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
1,4-Dioxane	ND		46000	12000	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
cis-1,2-Dichloroethene	72000		2400	660	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
cis-1,3-Dichloropropene	ND		2400	570	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Cyclohexane	ND		2400	530	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Dichlorodifluoromethane	ND		2400	1000	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Ethylbenzene	ND		2400	700	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
1,2-Dibromoethane	ND		2400	420	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Isopropylbenzene	ND		2400	360	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Methyl acetate	ND		12000	1100	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Methyl tert-butyl ether	ND		2400	910	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Methylcyclohexane	ND		2400	1100	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Methylene Chloride	ND		2400	480	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Styrene	ND		2400	580	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Tetrachloroethene	ND		2400	320	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Toluene	ND		2400	640	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
trans-1,2-Dichloroethene	ND		2400	570	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
trans-1,3-Dichloropropene	ND		2400	240	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Trichloroethene	33000		2400	670	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Trichlorofluoromethane	ND		2400	1100	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Vinyl chloride	2300 J		2400	800	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50
Xylenes, Total	ND		4800	1300	ug/Kg	☼	03/16/20 15:37	03/18/20 11:02	50

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R1

Date Collected: 03/10/20 16:15

Date Received: 03/13/20 15:35

Lab Sample ID: 480-167472-5

Matrix: Solid

Percent Solids: 85.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		50 - 149	03/16/20 15:37	03/18/20 11:02	50
1,2-Dichloroethane-d4 (Surr)	94		53 - 146	03/16/20 15:37	03/18/20 11:02	50
4-Bromofluorobenzene (Surr)	100		49 - 148	03/16/20 15:37	03/18/20 11:02	50
Dibromofluoromethane (Surr)	96		60 - 140	03/16/20 15:37	03/18/20 11:02	50

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R38

Lab Sample ID: 480-167472-6

Date Collected: 03/11/20 08:45

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 81.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		59	16	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
1,1,2,2-Tetrachloroethane	ND		59	9.5	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
1,1,2-Trichloroethane	ND		59	12	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		59	29	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
1,1-Dichloroethane	ND		59	18	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
1,1-Dichloroethene	ND		59	20	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
1,2,4-Trichlorobenzene	ND		59	22	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
1,2-Dibromo-3-Chloropropane	ND		59	29	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
1,2-Dichlorobenzene	ND		59	15	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
1,2-Dichloroethane	ND		59	24	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
1,2-Dichloropropane	ND		59	9.5	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
1,3-Dichlorobenzene	ND		59	16	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
1,4-Dichlorobenzene	ND		59	8.2	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
2-Butanone (MEK)	ND		290	170	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
2-Hexanone	ND		290	120	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
4-Methyl-2-pentanone (MIBK)	ND		290	19	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Acetone	ND		290	240	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Benzene	ND		59	11	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Bromodichloromethane	ND		59	12	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Bromoform	ND		59	29	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Bromomethane	ND		59	13	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Carbon disulfide	ND		59	27	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Carbon tetrachloride	ND		59	15	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Chlorobenzene	ND		59	7.7	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Dibromochloromethane	ND		59	28	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Chloroethane	ND		59	12	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Chloroform	ND		59	40	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Chloromethane	ND		59	14	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
1,4-Dioxane	ND		1100	300	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
cis-1,2-Dichloroethene	1100		59	16	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
cis-1,3-Dichloropropene	ND		59	14	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Cyclohexane	ND		59	13	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Dichlorodifluoromethane	ND		59	26	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Ethylbenzene	ND		59	17	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
1,2-Dibromoethane	ND		59	10	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Isopropylbenzene	ND		59	8.8	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Methyl acetate	ND		290	28	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Methyl tert-butyl ether	ND		59	22	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Methylcyclohexane	ND		59	27	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Methylene Chloride	ND		59	12	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Styrene	ND		59	14	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Tetrachloroethene	ND		59	7.9	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Toluene	18 J		59	16	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
trans-1,2-Dichloroethene	ND		59	14	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
trans-1,3-Dichloropropene	ND		59	5.8	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Trichloroethene	1300		59	16	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Trichlorofluoromethane	ND		59	27	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Vinyl chloride	510		59	20	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1
Xylenes, Total	ND		120	32	ug/Kg	☼	03/16/20 15:37	03/18/20 11:25	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R38

Date Collected: 03/11/20 08:45

Date Received: 03/13/20 15:35

Lab Sample ID: 480-167472-6

Matrix: Solid

Percent Solids: 81.7

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	103		50 - 149	03/16/20 15:37	03/18/20 11:25	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	95		53 - 146	03/16/20 15:37	03/18/20 11:25	1
<i>4-Bromofluorobenzene (Surr)</i>	104		49 - 148	03/16/20 15:37	03/18/20 11:25	1
<i>Dibromofluoromethane (Surr)</i>	91		60 - 140	03/16/20 15:37	03/18/20 11:25	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R43

Lab Sample ID: 480-167472-7

Date Collected: 03/11/20 10:15

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 86.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	14	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
1,1,2,2-Tetrachloroethane	ND		50	8.1	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
1,1,2-Trichloroethane	ND		50	11	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	25	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
1,1-Dichloroethane	ND		50	15	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
1,1-Dichloroethene	ND		50	17	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
1,2,4-Trichlorobenzene	ND		50	19	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
1,2-Dibromo-3-Chloropropane	ND		50	25	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
1,2-Dichlorobenzene	ND		50	13	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
1,2-Dichloroethane	ND		50	20	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
1,2-Dichloropropane	ND		50	8.1	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
1,3-Dichlorobenzene	ND		50	13	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
1,4-Dichlorobenzene	ND		50	7.0	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
2-Butanone (MEK)	ND		250	150	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
2-Hexanone	ND		250	100	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
4-Methyl-2-pentanone (MIBK)	ND		250	16	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Acetone	ND		250	210	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Benzene	ND		50	9.5	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Bromodichloromethane	ND		50	10	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Bromoform	ND		50	25	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Bromomethane	ND		50	11	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Carbon disulfide	ND		50	23	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Carbon tetrachloride	ND		50	13	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Chlorobenzene	ND		50	6.6	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Dibromochloromethane	ND		50	24	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Chloroethane	ND		50	10	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Chloroform	ND		50	34	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Chloromethane	ND		50	12	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
1,4-Dioxane	ND		950	260	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
cis-1,2-Dichloroethene	150		50	14	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
cis-1,3-Dichloropropene	ND		50	12	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Cyclohexane	ND		50	11	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Dichlorodifluoromethane	ND		50	22	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Ethylbenzene	ND		50	15	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
1,2-Dibromoethane	ND		50	8.8	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Isopropylbenzene	ND		50	7.5	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Methyl acetate	ND		250	24	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Methyl tert-butyl ether	ND		50	19	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Methylcyclohexane	ND		50	23	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Methylene Chloride	ND		50	9.9	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Styrene	ND		50	12	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Tetrachloroethene	ND		50	6.7	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Toluene	15 J		50	13	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
trans-1,2-Dichloroethene	ND		50	12	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
trans-1,3-Dichloropropene	ND		50	4.9	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Trichloroethene	170		50	14	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Trichlorofluoromethane	ND		50	24	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Vinyl chloride	79		50	17	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1
Xylenes, Total	ND		100	28	ug/Kg	☼	03/16/20 15:37	03/18/20 11:48	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R43

Date Collected: 03/11/20 10:15

Date Received: 03/13/20 15:35

Lab Sample ID: 480-167472-7

Matrix: Solid

Percent Solids: 86.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		50 - 149	03/16/20 15:37	03/18/20 11:48	1
1,2-Dichloroethane-d4 (Surr)	94		53 - 146	03/16/20 15:37	03/18/20 11:48	1
4-Bromofluorobenzene (Surr)	103		49 - 148	03/16/20 15:37	03/18/20 11:48	1
Dibromofluoromethane (Surr)	90		60 - 140	03/16/20 15:37	03/18/20 11:48	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R42

Lab Sample ID: 480-167472-8

Date Collected: 03/11/20 10:50

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 80.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		150	42	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
1,1,2,2-Tetrachloroethane	ND		150	24	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
1,1,2-Trichloroethane	ND		150	32	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		150	75	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
1,1-Dichloroethane	ND		150	46	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
1,1-Dichloroethene	ND		150	52	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
1,2,4-Trichlorobenzene	ND		150	57	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
1,2-Dibromo-3-Chloropropane	ND		150	75	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
1,2-Dichlorobenzene	ND		150	38	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
1,2-Dichloroethane	ND		150	61	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
1,2-Dichloropropane	ND		150	24	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
1,3-Dichlorobenzene	ND		150	40	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
1,4-Dichlorobenzene	ND		150	21	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
2-Butanone (MEK)	ND		750	450	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
2-Hexanone	ND		750	310	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
4-Methyl-2-pentanone (MIBK)	ND		750	48	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Acetone	ND		750	620	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Benzene	ND		150	29	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Bromodichloromethane	ND		150	30	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Bromoform	ND		150	75	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Bromomethane	ND		150	33	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Carbon disulfide	ND		150	68	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Carbon tetrachloride	ND		150	38	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Chlorobenzene	ND		150	20	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Dibromochloromethane	ND		150	73	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Chloroethane	ND		150	31	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Chloroform	ND		150	100	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Chloromethane	ND		150	36	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
1,4-Dioxane	ND		2900	770	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
cis-1,2-Dichloroethene	5000		150	41	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
cis-1,3-Dichloropropene	ND		150	36	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Cyclohexane	ND		150	33	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Dichlorodifluoromethane	ND		150	66	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Ethylbenzene	ND		150	44	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
1,2-Dibromoethane	ND		150	26	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Isopropylbenzene	ND		150	23	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Methyl acetate	ND		750	72	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Methyl tert-butyl ether	ND		150	57	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Methylcyclohexane	ND		150	70	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Methylene Chloride	ND		150	30	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Styrene	ND		150	36	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Tetrachloroethene	ND		150	20	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Toluene	ND		150	40	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
trans-1,2-Dichloroethene	ND		150	35	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
trans-1,3-Dichloropropene	ND		150	15	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Trichloroethene	6400		150	42	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Trichlorofluoromethane	ND		150	70	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Vinyl chloride	770		150	50	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2
Xylenes, Total	ND		300	83	ug/Kg	☼	03/16/20 15:37	03/18/20 12:11	2

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R42

Lab Sample ID: 480-167472-8

Date Collected: 03/11/20 10:50

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 80.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		50 - 149	03/16/20 15:37	03/18/20 12:11	2
1,2-Dichloroethane-d4 (Surr)	94		53 - 146	03/16/20 15:37	03/18/20 12:11	2
4-Bromofluorobenzene (Surr)	106		49 - 148	03/16/20 15:37	03/18/20 12:11	2
Dibromofluoromethane (Surr)	93		60 - 140	03/16/20 15:37	03/18/20 12:11	2

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R37

Lab Sample ID: 480-167472-9

Date Collected: 03/11/20 15:40

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 83.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		53	15	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
1,1,2,2-Tetrachloroethane	ND		53	8.6	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
1,1,2-Trichloroethane	ND		53	11	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		53	27	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
1,1-Dichloroethane	ND		53	16	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
1,1-Dichloroethene	ND		53	18	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
1,2,4-Trichlorobenzene	ND		53	20	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
1,2-Dibromo-3-Chloropropane	ND		53	27	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
1,2-Dichlorobenzene	ND		53	14	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
1,2-Dichloroethane	ND		53	22	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
1,2-Dichloropropane	ND		53	8.6	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
1,3-Dichlorobenzene	ND		53	14	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
1,4-Dichlorobenzene	ND		53	7.5	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
2-Butanone (MEK)	ND		270	160	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
2-Hexanone	ND		270	110	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
4-Methyl-2-pentanone (MIBK)	ND		270	17	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Acetone	ND		270	220	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Benzene	ND		53	10	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Bromodichloromethane	ND		53	11	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Bromoform	ND		53	27	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Bromomethane	ND		53	12	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Carbon disulfide	ND		53	24	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Carbon tetrachloride	ND		53	14	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Chlorobenzene	ND		53	7.0	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Dibromochloromethane	ND		53	26	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Chloroethane	ND		53	11	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Chloroform	ND		53	37	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Chloromethane	ND		53	13	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
1,4-Dioxane	ND		1000	270	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
cis-1,2-Dichloroethene	40	J	53	15	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
cis-1,3-Dichloropropene	ND		53	13	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Cyclohexane	ND		53	12	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Dichlorodifluoromethane	ND		53	23	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Ethylbenzene	ND		53	15	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
1,2-Dibromoethane	ND		53	9.3	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Isopropylbenzene	ND		53	8.0	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Methyl acetate	ND		270	25	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Methyl tert-butyl ether	ND		53	20	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Methylcyclohexane	ND		53	25	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Methylene Chloride	ND		53	11	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Styrene	ND		53	13	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Tetrachloroethene	ND		53	7.2	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Toluene	ND		53	14	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
trans-1,2-Dichloroethene	ND		53	13	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
trans-1,3-Dichloropropene	ND		53	5.2	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Trichloroethene	67		53	15	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Trichlorofluoromethane	ND		53	25	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Vinyl chloride	ND		53	18	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1
Xylenes, Total	ND		110	30	ug/Kg	☼	03/16/20 15:37	03/18/20 12:34	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R37

Lab Sample ID: 480-167472-9

Date Collected: 03/11/20 15:40

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 83.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		50 - 149	03/16/20 15:37	03/18/20 12:34	1
1,2-Dichloroethane-d4 (Surr)	98		53 - 146	03/16/20 15:37	03/18/20 12:34	1
4-Bromofluorobenzene (Surr)	97		49 - 148	03/16/20 15:37	03/18/20 12:34	1
Dibromofluoromethane (Surr)	91		60 - 140	03/16/20 15:37	03/18/20 12:34	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R40

Lab Sample ID: 480-167472-10

Date Collected: 03/11/20 16:15

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 82.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		55	15	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
1,1,2,2-Tetrachloroethane	ND		55	8.9	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
1,1,2-Trichloroethane	ND		55	11	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		55	27	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
1,1-Dichloroethane	ND		55	17	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
1,1-Dichloroethene	ND		55	19	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
1,2,4-Trichlorobenzene	ND		55	21	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
1,2-Dibromo-3-Chloropropane	ND		55	27	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
1,2-Dichlorobenzene	ND		55	14	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
1,2-Dichloroethane	ND		55	22	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
1,2-Dichloropropane	ND		55	8.8	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
1,3-Dichlorobenzene	ND		55	15	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
1,4-Dichlorobenzene	ND		55	7.6	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
2-Butanone (MEK)	ND		270	160	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
2-Hexanone	ND		270	110	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
4-Methyl-2-pentanone (MIBK)	ND		270	17	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Acetone	ND		270	220	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Benzene	ND		55	10	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Bromodichloromethane	ND		55	11	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Bromoform	ND		55	27	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Bromomethane	ND		55	12	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Carbon disulfide	ND		55	25	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Carbon tetrachloride	ND		55	14	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Chlorobenzene	ND		55	7.2	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Dibromochloromethane	ND		55	26	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Chloroethane	ND		55	11	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Chloroform	ND		55	37	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Chloromethane	ND		55	13	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
1,4-Dioxane	ND		1000	280	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
cis-1,2-Dichloroethene	210		55	15	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
cis-1,3-Dichloropropene	ND		55	13	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Cyclohexane	ND		55	12	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Dichlorodifluoromethane	ND		55	24	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Ethylbenzene	ND		55	16	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
1,2-Dibromoethane	ND		55	9.5	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Isopropylbenzene	ND		55	8.2	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Methyl acetate	ND		270	26	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Methyl tert-butyl ether	ND		55	21	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Methylcyclohexane	ND		55	26	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Methylene Chloride	ND		55	11	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Styrene	ND		55	13	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Tetrachloroethene	ND		55	7.3	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Toluene	24 J		55	15	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
trans-1,2-Dichloroethene	ND		55	13	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
trans-1,3-Dichloropropene	ND		55	5.4	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Trichloroethene	260		55	15	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Trichlorofluoromethane	ND		55	26	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Vinyl chloride	86		55	18	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1
Xylenes, Total	ND		110	30	ug/Kg	☼	03/16/20 15:37	03/18/20 12:57	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R40

Lab Sample ID: 480-167472-10

Date Collected: 03/11/20 16:15

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 82.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		50 - 149	03/16/20 15:37	03/18/20 12:57	1
1,2-Dichloroethane-d4 (Surr)	92		53 - 146	03/16/20 15:37	03/18/20 12:57	1
4-Bromofluorobenzene (Surr)	105		49 - 148	03/16/20 15:37	03/18/20 12:57	1
Dibromofluoromethane (Surr)	90		60 - 140	03/16/20 15:37	03/18/20 12:57	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R41

Lab Sample ID: 480-167472-11

Date Collected: 03/11/20 14:15

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 82.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		58	16	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
1,1,2,2-Tetrachloroethane	ND		58	9.5	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
1,1,2-Trichloroethane	ND		58	12	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		58	29	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
1,1-Dichloroethane	ND		58	18	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
1,1-Dichloroethene	ND		58	20	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
1,2,4-Trichlorobenzene	ND		58	22	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
1,2-Dibromo-3-Chloropropane	ND		58	29	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
1,2-Dichlorobenzene	ND		58	15	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
1,2-Dichloroethane	ND		58	24	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
1,2-Dichloropropane	ND		58	9.4	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
1,3-Dichlorobenzene	ND		58	16	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
1,4-Dichlorobenzene	ND		58	8.2	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
2-Butanone (MEK)	ND		290	170	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
2-Hexanone	ND		290	120	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
4-Methyl-2-pentanone (MIBK)	ND		290	19	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Acetone	ND		290	240	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Benzene	ND		58	11	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Bromodichloromethane	ND		58	12	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Bromoform	ND		58	29	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Bromomethane	ND		58	13	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Carbon disulfide	ND		58	27	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Carbon tetrachloride	ND		58	15	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Chlorobenzene	ND		58	7.7	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Dibromochloromethane	ND		58	28	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Chloroethane	ND		58	12	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Chloroform	ND		58	40	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Chloromethane	ND		58	14	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
1,4-Dioxane	ND		1100	300	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
cis-1,2-Dichloroethene	52 J		58	16	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
cis-1,3-Dichloropropene	ND		58	14	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Cyclohexane	ND		58	13	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Dichlorodifluoromethane	ND		58	25	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Ethylbenzene	ND		58	17	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
1,2-Dibromoethane	ND		58	10	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Isopropylbenzene	ND		58	8.7	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Methyl acetate	ND		290	28	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Methyl tert-butyl ether	ND		58	22	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Methylcyclohexane	ND		58	27	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Methylene Chloride	ND		58	12	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Styrene	ND		58	14	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Tetrachloroethene	ND		58	7.8	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Toluene	ND		58	16	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
trans-1,2-Dichloroethene	ND		58	14	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
trans-1,3-Dichloropropene	ND		58	5.7	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Trichloroethene	64		58	16	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Trichlorofluoromethane	ND		58	27	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Vinyl chloride	ND		58	20	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1
Xylenes, Total	ND		120	32	ug/Kg	☼	03/16/20 15:37	03/18/20 13:20	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R41

Date Collected: 03/11/20 14:15

Date Received: 03/13/20 15:35

Lab Sample ID: 480-167472-11

Matrix: Solid

Percent Solids: 82.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		50 - 149	03/16/20 15:37	03/18/20 13:20	1
1,2-Dichloroethane-d4 (Surr)	96		53 - 146	03/16/20 15:37	03/18/20 13:20	1
4-Bromofluorobenzene (Surr)	100		49 - 148	03/16/20 15:37	03/18/20 13:20	1
Dibromofluoromethane (Surr)	90		60 - 140	03/16/20 15:37	03/18/20 13:20	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: DUP-03

Lab Sample ID: 480-167472-12

Date Collected: 03/10/20 00:00

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 85.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		110	31	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
1,1,2,2-Tetrachloroethane	ND		110	18	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
1,1,2-Trichloroethane	ND		110	23	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		110	55	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
1,1-Dichloroethane	ND		110	34	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
1,1-Dichloroethene	ND		110	38	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
1,2,4-Trichlorobenzene	ND		110	42	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
1,2-Dibromo-3-Chloropropane	ND		110	55	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
1,2-Dichlorobenzene	ND		110	28	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
1,2-Dichloroethane	ND		110	45	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
1,2-Dichloropropane	ND		110	18	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
1,3-Dichlorobenzene	ND		110	29	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
1,4-Dichlorobenzene	ND		110	15	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
2-Butanone (MEK)	ND		550	330	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
2-Hexanone	ND		550	230	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
4-Methyl-2-pentanone (MIBK)	ND		550	35	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Acetone	ND		550	450	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Benzene	ND		110	21	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Bromodichloromethane	ND		110	22	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Bromoform	ND		110	55	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Bromomethane	ND		110	24	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Carbon disulfide	ND		110	50	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Carbon tetrachloride	ND		110	28	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Chlorobenzene	ND		110	15	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Dibromochloromethane	ND		110	53	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Chloroethane	ND		110	23	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Chloroform	ND		110	76	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Chloromethane	ND		110	26	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
1,4-Dioxane	ND		2100	560	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
cis-1,2-Dichloroethene	630		110	30	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
cis-1,3-Dichloropropene	ND		110	26	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Cyclohexane	ND		110	24	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Dichlorodifluoromethane	ND		110	48	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Ethylbenzene	ND		110	32	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
1,2-Dibromoethane	ND		110	19	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Isopropylbenzene	ND		110	17	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Methyl acetate	ND		550	52	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Methyl tert-butyl ether	ND		110	42	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Methylcyclohexane	ND		110	52	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Methylene Chloride	ND		110	22	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Styrene	ND		110	27	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Tetrachloroethene	ND		110	15	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Toluene	ND		110	30	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
trans-1,2-Dichloroethene	ND		110	26	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
trans-1,3-Dichloropropene	ND		110	11	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Trichloroethene	3600		110	31	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Trichlorofluoromethane	ND		110	52	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Vinyl chloride	290		110	37	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2
Xylenes, Total	ND		220	61	ug/Kg	☼	03/16/20 15:37	03/18/20 13:43	2

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: DUP-03

Date Collected: 03/10/20 00:00

Date Received: 03/13/20 15:35

Lab Sample ID: 480-167472-12

Matrix: Solid

Percent Solids: 85.6

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	101		50 - 149	03/16/20 15:37	03/18/20 13:43	2
<i>1,2-Dichloroethane-d4 (Surr)</i>	95		53 - 146	03/16/20 15:37	03/18/20 13:43	2
<i>4-Bromofluorobenzene (Surr)</i>	103		49 - 148	03/16/20 15:37	03/18/20 13:43	2
<i>Dibromofluoromethane (Surr)</i>	91		60 - 140	03/16/20 15:37	03/18/20 13:43	2

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (50-149)	DCA (53-146)	BFB (49-148)	DBFM (60-140)
480-167472-1	SB-R11	102	98	105	93
480-167472-2	SB-R4	101	95	104	95
480-167472-3	SB-R3	101	100	101	98
480-167472-3 MS	SB-R3	105	100	107	96
480-167472-3 MSD	SB-R3	103	94	104	97
480-167472-4	SB-R101	103	102	103	99
480-167472-4 - DL	SB-R101	101	97	107	99
480-167472-5	SB-R1	101	94	100	96
480-167472-6	SB-R38	103	95	104	91
480-167472-7	SB-R43	104	94	103	90
480-167472-8	SB-R42	102	94	106	93
480-167472-9	SB-R37	100	98	97	91
480-167472-10	SB-R40	101	92	105	90
480-167472-11	SB-R41	101	96	100	90
480-167472-12	DUP-03	101	95	103	91
LCS 480-521637/1-A	Lab Control Sample	99	91	103	93
MB 480-521637/2-A	Method Blank	103	96	104	93
Surrogate Legend					
TOL = Toluene-d8 (Surr)					
DCA = 1,2-Dichloroethane-d4 (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
DBFM = Dibromofluoromethane (Surr)					

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX2 (60-154)	DCBP2 (65-174)
480-167472-1	SB-R11	106	86
480-167472-3	SB-R3	121	94
480-167472-3 MS	SB-R3	124	97
480-167472-3 MSD	SB-R3	140	115
480-167472-4	SB-R101	98	50 X
LCS 480-521835/2-A	Lab Control Sample	137	115
MB 480-521835/1-A	Method Blank	135	116
Surrogate Legend			
TCX = Tetrachloro-m-xylene			
DCBP = DCB Decachlorobiphenyl			

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-521637/2-A

Matrix: Solid

Analysis Batch: 521892

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 521637

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	28	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
1,1,2,2-Tetrachloroethane	ND		100	16	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
1,1,2-Trichloroethane	ND		100	21	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
1,1-Dichloroethane	ND		100	31	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
1,1-Dichloroethene	ND		100	35	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
1,2,4-Trichlorobenzene	ND		100	38	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
1,2-Dichlorobenzene	ND		100	26	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
1,2-Dichloroethane	ND		100	41	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
1,2-Dichloropropane	ND		100	16	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
1,3-Dichlorobenzene	ND		100	27	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
1,4-Dichlorobenzene	ND		100	14	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
2-Butanone (MEK)	ND		500	300	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
2-Hexanone	ND		500	210	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Acetone	ND		500	410	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Benzene	ND		100	19	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Bromodichloromethane	ND		100	20	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Bromoform	ND		100	50	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Bromomethane	ND		100	22	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Carbon disulfide	ND		100	46	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Carbon tetrachloride	ND		100	26	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Chlorobenzene	ND		100	13	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Dibromochloromethane	ND		100	48	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Chloroethane	ND		100	21	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Chloroform	ND		100	69	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Chloromethane	ND		100	24	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
1,4-Dioxane	ND		1900	510	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
cis-1,2-Dichloroethene	ND		100	28	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
cis-1,3-Dichloropropene	ND		100	24	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Cyclohexane	ND		100	22	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Dichlorodifluoromethane	ND		100	44	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Ethylbenzene	ND		100	29	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
1,2-Dibromoethane	ND		100	18	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Isopropylbenzene	ND		100	15	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Methyl acetate	ND		500	48	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Methyl tert-butyl ether	ND		100	38	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Methylcyclohexane	ND		100	47	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Methylene Chloride	ND		100	20	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Styrene	ND		100	24	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Tetrachloroethene	ND		100	13	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Toluene	ND		100	27	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
trans-1,2-Dichloroethene	ND		100	24	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
trans-1,3-Dichloropropene	ND		100	9.8	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Trichloroethene	ND		100	28	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Trichlorofluoromethane	ND		100	47	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Vinyl chloride	ND		100	34	ug/Kg		03/16/20 15:37	03/18/20 08:52	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-521637/2-A

Matrix: Solid

Analysis Batch: 521892

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 521637

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		200	55	ug/Kg		03/16/20 15:37	03/18/20 08:52	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		50 - 149				03/16/20 15:37	03/18/20 08:52	1
1,2-Dichloroethane-d4 (Surr)	96		53 - 146				03/16/20 15:37	03/18/20 08:52	1
4-Bromofluorobenzene (Surr)	104		49 - 148				03/16/20 15:37	03/18/20 08:52	1
Dibromofluoromethane (Surr)	93		60 - 140				03/16/20 15:37	03/18/20 08:52	1

Lab Sample ID: LCS 480-521637/1-A

Matrix: Solid

Analysis Batch: 521892

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 521637

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	1910		ug/Kg		76	68 - 130
1,1,2,2-Tetrachloroethane	2500	2110		ug/Kg		84	73 - 120
1,1,2-Trichloroethane	2500	2180		ug/Kg		87	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	1880		ug/Kg		75	10 - 179
1,1-Dichloroethane	2500	2120		ug/Kg		85	78 - 121
1,1-Dichloroethene	2500	1930		ug/Kg		77	48 - 133
1,2,4-Trichlorobenzene	2500	2180		ug/Kg		87	70 - 140
1,2-Dibromo-3-Chloropropane	2500	1830		ug/Kg		73	56 - 122
1,2-Dichlorobenzene	2500	2170		ug/Kg		87	78 - 125
1,2-Dichloroethane	2500	2080		ug/Kg		83	74 - 127
1,2-Dichloropropane	2500	2250		ug/Kg		90	80 - 120
1,3-Dichlorobenzene	2500	2180		ug/Kg		87	80 - 120
1,4-Dichlorobenzene	2500	2150		ug/Kg		86	80 - 120
2-Butanone (MEK)	12500	10500		ug/Kg		84	54 - 149
2-Hexanone	12500	10900		ug/Kg		87	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	10500		ug/Kg		84	74 - 120
Acetone	12500	10600		ug/Kg		85	47 - 141
Benzene	2500	2130		ug/Kg		85	77 - 125
Bromodichloromethane	2500	2120		ug/Kg		85	71 - 121
Bromoform	2500	2310		ug/Kg		92	48 - 125
Bromomethane	2500	1710		ug/Kg		69	39 - 149
Carbon disulfide	2500	2040		ug/Kg		82	40 - 136
Carbon tetrachloride	2500	1960		ug/Kg		78	54 - 135
Chlorobenzene	2500	2240		ug/Kg		90	76 - 126
Dibromochloromethane	2500	2150		ug/Kg		86	64 - 120
Chloroethane	2500	1670		ug/Kg		67	23 - 150
Chloroform	2500	1990		ug/Kg		80	78 - 120
Chloromethane	2500	1970		ug/Kg		79	61 - 124
1,4-Dioxane	50000	59800		ug/Kg		120	40 - 150
cis-1,2-Dichloroethene	2500	2080		ug/Kg		83	79 - 124
cis-1,3-Dichloropropene	2500	2260		ug/Kg		91	75 - 121
Cyclohexane	2500	2090		ug/Kg		84	49 - 129
Dichlorodifluoromethane	2500	1680		ug/Kg		67	10 - 150
Ethylbenzene	2500	2200		ug/Kg		88	78 - 124
1,2-Dibromoethane	2500	2120		ug/Kg		85	80 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-521637/1-A

Matrix: Solid

Analysis Batch: 521892

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 521637

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	2500	2100		ug/Kg		84	76 - 120
Methyl acetate	5000	4330		ug/Kg		87	71 - 123
Methyl tert-butyl ether	2500	1930		ug/Kg		77	67 - 137
Methylcyclohexane	2500	2070		ug/Kg		83	50 - 130
Methylene Chloride	2500	2230		ug/Kg		89	75 - 118
Styrene	2500	2260		ug/Kg		90	80 - 120
Tetrachloroethene	2500	2260		ug/Kg		90	73 - 133
Toluene	2500	2190		ug/Kg		88	75 - 124
trans-1,2-Dichloroethene	2500	2090		ug/Kg		83	74 - 129
trans-1,3-Dichloropropene	2500	2270		ug/Kg		91	73 - 120
Trichloroethene	2500	2030		ug/Kg		81	75 - 131
Trichlorofluoromethane	2500	1620		ug/Kg		65	29 - 158
Vinyl chloride	2500	1910		ug/Kg		77	59 - 124

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	99		50 - 149
1,2-Dichloroethane-d4 (Surr)	91		53 - 146
4-Bromofluorobenzene (Surr)	103		49 - 148
Dibromofluoromethane (Surr)	93		60 - 140

Lab Sample ID: 480-167472-3 MS

Matrix: Solid

Analysis Batch: 521892

Client Sample ID: SB-R3

Prep Type: Total/NA

Prep Batch: 521637

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		1130	1330		ug/Kg	✱	117	64 - 142
1,1,2,2-Tetrachloroethane	ND	F1	1130	1390		ug/Kg	✱	123	56 - 128
1,1,2-Trichloroethane	ND	F1	1130	1690	F1	ug/Kg	✱	149	63 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1130	1340		ug/Kg	✱	119	64 - 154
1,1-Dichloroethane	ND		1130	1450		ug/Kg	✱	128	64 - 135
1,1-Dichloroethene	ND		1130	1340		ug/Kg	✱	118	62 - 145
1,2,4-Trichlorobenzene	ND	F1	1130	1680	F1	ug/Kg	✱	148	56 - 145
1,2-Dibromo-3-Chloropropane	ND	F1	1130	1450	F1	ug/Kg	✱	128	40 - 122
1,2-Dichlorobenzene	ND	F1	1130	1530	F1	ug/Kg	✱	135	68 - 133
1,2-Dichloroethane	ND		1130	1430		ug/Kg	✱	126	62 - 135
1,2-Dichloropropane	ND		1130	1500		ug/Kg	✱	133	67 - 139
1,3-Dichlorobenzene	ND	F1	1130	1580	F1	ug/Kg	✱	139	68 - 136
1,4-Dichlorobenzene	ND		1130	1550		ug/Kg	✱	136	69 - 136
2-Butanone (MEK)	ND	F1	5670	8170	F1	ug/Kg	✱	144	46 - 132
2-Hexanone	ND	F1	5670	8230	F1	ug/Kg	✱	145	44 - 130
4-Methyl-2-pentanone (MIBK)	ND	F1	5670	8340	F1	ug/Kg	✱	147	49 - 125
Acetone	ND	F1	5670	8980	F1	ug/Kg	✱	159	32 - 136
Benzene	ND		1130	1430		ug/Kg	✱	126	68 - 137
Bromodichloromethane	ND		1130	1300		ug/Kg	✱	115	62 - 136
Bromoform	ND		1130	1410		ug/Kg	✱	124	43 - 134
Bromomethane	ND		1130	1300		ug/Kg	✱	115	38 - 137
Carbon disulfide	ND		1130	1290		ug/Kg	✱	114	52 - 139
Carbon tetrachloride	ND		1130	1250		ug/Kg	✱	111	60 - 150

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-167472-3 MS

Matrix: Solid

Analysis Batch: 521892

Client Sample ID: SB-R3

Prep Type: Total/NA

Prep Batch: 521637

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	ND	F1	1130	1550		ug/Kg	✱	136	67 - 136
Dibromochloromethane	ND		1130	1410		ug/Kg	✱	124	57 - 137
Chloroethane	ND		1130	1170		ug/Kg	✱	104	34 - 140
Chloroform	ND		1130	1380		ug/Kg	✱	122	64 - 133
Chloromethane	ND		1130	1100		ug/Kg	✱	97	47 - 143
1,4-Dioxane	ND	F2 F1	22700	45200	F1	ug/Kg	✱	199	26 - 150
cis-1,2-Dichloroethene	7000		1130	2490	4	ug/Kg	✱	-394	65 - 137
cis-1,3-Dichloropropene	ND		1130	1290		ug/Kg	✱	114	61 - 148
Cyclohexane	ND		1130	1490		ug/Kg	✱	132	63 - 149
Dichlorodifluoromethane	ND		1130	678		ug/Kg	✱	60	26 - 150
Ethylbenzene	ND		1130	1540		ug/Kg	✱	136	67 - 136
1,2-Dibromoethane	ND	F1	1130	1620	F1	ug/Kg	✱	143	65 - 133
Isopropylbenzene	ND		1130	1470		ug/Kg	✱	130	65 - 147
Methyl acetate	ND	F1	2270	3280	F1	ug/Kg	✱	145	50 - 124
Methyl tert-butyl ether	ND	F1	1130	1490	F1	ug/Kg	✱	132	60 - 130
Methylcyclohexane	ND		1130	1420		ug/Kg	✱	126	67 - 150
Methylene Chloride	ND		1130	1330		ug/Kg	✱	117	63 - 138
Styrene	ND	F1	1130	1590	F1	ug/Kg	✱	140	68 - 137
Tetrachloroethene	210	J	1130	1730		ug/Kg	✱	134	67 - 150
Toluene	ND	F1	1130	1610	F1	ug/Kg	✱	142	68 - 137
trans-1,2-Dichloroethene	ND		1130	1400		ug/Kg	✱	124	65 - 138
trans-1,3-Dichloropropene	ND		1130	1470		ug/Kg	✱	130	58 - 143
Trichloroethene	20000		1130	10700	4	ug/Kg	✱	-817	69 - 143
Trichlorofluoromethane	ND		1130	1210		ug/Kg	✱	106	35 - 150
Vinyl chloride	940	F1	1130	1210	F1	ug/Kg	✱	24	56 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	105		50 - 149
1,2-Dichloroethane-d4 (Surr)	100		53 - 146
4-Bromofluorobenzene (Surr)	107		49 - 148
Dibromofluoromethane (Surr)	96		60 - 140

Lab Sample ID: 480-167472-3 MSD

Matrix: Solid

Analysis Batch: 521892

Client Sample ID: SB-R3

Prep Type: Total/NA

Prep Batch: 521637

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,1,1-Trichloroethane	ND		1150	1210		ug/Kg	✱	105	64 - 142	10	20
1,1,1,2-Tetrachloroethane	ND	F1	1150	1580	F1	ug/Kg	✱	137	56 - 128	12	20
1,1,1,2-Trichloroethane	ND	F1	1150	1680	F1	ug/Kg	✱	146	63 - 133	1	20
1,1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1150	1300		ug/Kg	✱	113	64 - 154	3	20
1,1-Dichloroethane	ND		1150	1390		ug/Kg	✱	121	64 - 135	5	20
1,1-Dichloroethene	ND		1150	1240		ug/Kg	✱	109	62 - 145	7	20
1,2,4-Trichlorobenzene	ND	F1	1150	1620		ug/Kg	✱	141	56 - 145	3	20
1,2-Dibromo-3-Chloropropane	ND	F1	1150	1340		ug/Kg	✱	117	40 - 122	8	20
1,2-Dichlorobenzene	ND	F1	1150	1560	F1	ug/Kg	✱	136	68 - 133	2	20
1,2-Dichloroethane	ND		1150	1410		ug/Kg	✱	123	62 - 135	1	20
1,2-Dichloropropane	ND		1150	1380		ug/Kg	✱	120	67 - 139	8	20

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-167472-3 MSD

Matrix: Solid

Analysis Batch: 521892

Client Sample ID: SB-R3

Prep Type: Total/NA

Prep Batch: 521637

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3-Dichlorobenzene	ND	F1	1150	1500		ug/Kg	✱	131	68 - 136	5	20
1,4-Dichlorobenzene	ND		1150	1550		ug/Kg	✱	135	69 - 136	0	20
2-Butanone (MEK)	ND	F1	5740	8240	F1	ug/Kg	✱	144	46 - 132	1	20
2-Hexanone	ND	F1	5740	8250	F1	ug/Kg	✱	144	44 - 130	0	20
4-Methyl-2-pentanone (MIBK)	ND	F1	5740	8400	F1	ug/Kg	✱	146	49 - 125	1	20
Acetone	ND	F1	5740	9080	F1	ug/Kg	✱	158	32 - 136	1	20
Benzene	ND		1150	1440		ug/Kg	✱	126	68 - 137	1	20
Bromodichloromethane	ND		1150	1300		ug/Kg	✱	114	62 - 136	0	20
Bromoform	ND		1150	1400		ug/Kg	✱	122	43 - 134	1	20
Bromomethane	ND		1150	1180		ug/Kg	✱	103	38 - 137	9	20
Carbon disulfide	ND		1150	1280		ug/Kg	✱	111	52 - 139	1	20
Carbon tetrachloride	ND		1150	1240		ug/Kg	✱	108	60 - 150	1	20
Chlorobenzene	ND	F1	1150	1650	F1	ug/Kg	✱	144	67 - 136	6	20
Dibromochloromethane	ND		1150	1270		ug/Kg	✱	111	57 - 137	10	20
Chloroethane	ND		1150	1190		ug/Kg	✱	104	34 - 140	1	20
Chloroform	ND		1150	1370		ug/Kg	✱	120	64 - 133	0	20
Chloromethane	ND		1150	913		ug/Kg	✱	80	47 - 143	19	20
1,4-Dioxane	ND	F2 F1	22900	59000	F1 F7	ug/Kg	✱	257	26 - 150	27	20
cis-1,2-Dichloroethene	7000		1150	2460	4	ug/Kg	✱	-392	65 - 137	1	20
cis-1,3-Dichloropropene	ND		1150	1360		ug/Kg	✱	119	61 - 148	6	20
Cyclohexane	ND		1150	1410		ug/Kg	✱	123	63 - 149	6	20
Dichlorodifluoromethane	ND		1150	649		ug/Kg	✱	57	26 - 150	4	20
Ethylbenzene	ND		1150	1520		ug/Kg	✱	133	67 - 136	1	20
1,2-Dibromoethane	ND	F1	1150	1480		ug/Kg	✱	129	65 - 133	9	20
Isopropylbenzene	ND		1150	1460		ug/Kg	✱	127	65 - 147	1	20
Methyl acetate	ND	F1	2290	3560	F1	ug/Kg	✱	155	50 - 124	8	20
Methyl tert-butyl ether	ND	F1	1150	1600	F1	ug/Kg	✱	139	60 - 130	7	20
Methylcyclohexane	ND		1150	1370		ug/Kg	✱	120	67 - 150	4	20
Methylene Chloride	ND		1150	1320		ug/Kg	✱	115	63 - 138	1	20
Styrene	ND	F1	1150	1550		ug/Kg	✱	135	68 - 137	3	20
Tetrachloroethene	210	J	1150	1540		ug/Kg	✱	115	67 - 150	12	20
Toluene	ND	F1	1150	1480		ug/Kg	✱	129	68 - 137	8	20
trans-1,2-Dichloroethene	ND		1150	1330		ug/Kg	✱	116	65 - 138	5	20
trans-1,3-Dichloropropene	ND		1150	1430		ug/Kg	✱	124	58 - 143	3	20
Trichloroethene	20000		1150	10500	4	ug/Kg	✱	-827	69 - 143	2	20
Trichlorofluoromethane	ND		1150	1200		ug/Kg	✱	104	35 - 150	1	20
Vinyl chloride	940	F1	1150	1150	F1	ug/Kg	✱	18	56 - 150	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	103		50 - 149
1,2-Dichloroethane-d4 (Surr)	94		53 - 146
4-Bromofluorobenzene (Surr)	104		49 - 148
Dibromofluoromethane (Surr)	97		60 - 140

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Method: 310.13 - Identification of Routine Petroleum Products

Lab Sample ID: MB 480-521629/1-A

Matrix: Solid

Analysis Batch: 521722

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 521629

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		6.6	6.6	mg/Kg		03/16/20 15:10	03/17/20 13:17	1
Kerosene	ND		16	16	mg/Kg		03/16/20 15:10	03/17/20 13:17	1
Motor Oil	ND		33	33	mg/Kg		03/16/20 15:10	03/17/20 13:17	1
Fuel Oil #2	ND		16	16	mg/Kg		03/16/20 15:10	03/17/20 13:17	1
Fuel Oil #4	ND		16	16	mg/Kg		03/16/20 15:10	03/17/20 13:17	1
Fuel Oil #6	ND		16	16	mg/Kg		03/16/20 15:10	03/17/20 13:17	1
Unknown Hydrocarbons	ND		16	16	mg/Kg		03/16/20 15:10	03/17/20 13:17	1

Lab Sample ID: LCS 480-521629/2-A

Matrix: Solid

Analysis Batch: 521722

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 521629

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fuel Oil #2	48.6	40.4		mg/Kg		83	50 - 150

Lab Sample ID: 480-167472-3 MS

Matrix: Solid

Analysis Batch: 521722

Client Sample ID: SB-R3

Prep Type: Total/NA

Prep Batch: 521629

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fuel Oil #2	25		58.2	77.7		mg/Kg	☼	90	50 - 150

Lab Sample ID: 480-167472-3 MSD

Matrix: Solid

Analysis Batch: 521722

Client Sample ID: SB-R3

Prep Type: Total/NA

Prep Batch: 521629

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fuel Oil #2	25		58.2	83.3		mg/Kg	☼	100	50 - 150	7	50

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-521835/1-A

Matrix: Solid

Analysis Batch: 522032

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 521835

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.040	mg/Kg		03/17/20 15:05	03/18/20 15:52	1
PCB-1221	ND		0.21	0.040	mg/Kg		03/17/20 15:05	03/18/20 15:52	1
PCB-1232	ND		0.21	0.040	mg/Kg		03/17/20 15:05	03/18/20 15:52	1
PCB-1242	ND		0.21	0.040	mg/Kg		03/17/20 15:05	03/18/20 15:52	1
PCB-1248	ND		0.21	0.040	mg/Kg		03/17/20 15:05	03/18/20 15:52	1
PCB-1254	ND		0.21	0.097	mg/Kg		03/17/20 15:05	03/18/20 15:52	1
PCB-1260	ND		0.21	0.097	mg/Kg		03/17/20 15:05	03/18/20 15:52	1
PCB-1262	ND		0.21	0.097	mg/Kg		03/17/20 15:05	03/18/20 15:52	1
PCB-1268	ND		0.21	0.097	mg/Kg		03/17/20 15:05	03/18/20 15:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	135		60 - 154	03/17/20 15:05	03/18/20 15:52	1
DCB Decachlorobiphenyl	116		65 - 174	03/17/20 15:05	03/18/20 15:52	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 480-521835/2-A

Matrix: Solid

Analysis Batch: 522032

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 521835

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec.		
			Added	Result	Qualifier				Limits		
PCB-1016			2.45	3.80		mg/Kg		155	51 - 185		
PCB-1260			2.45	3.47		mg/Kg		141	61 - 184		
Surrogate	LCS		Limits								
	%Recovery	Qualifier									
Tetrachloro-m-xylene		137		60 - 154							
DCB Decachlorobiphenyl		115		65 - 174							

Lab Sample ID: 480-167472-3 MS

Matrix: Solid

Analysis Batch: 522032

Client Sample ID: SB-R3

Prep Type: Total/NA

Prep Batch: 521835

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
PCB-1016	ND		2.86	3.26		mg/Kg	☼	114	50 - 177		
PCB-1260	ND		2.86	2.98		mg/Kg	☼	104	33 - 200		
Surrogate	MS %Recovery	MS Qualifier	Limits								
Tetrachloro-m-xylene	124		60 - 154								
DCB Decachlorobiphenyl	97		65 - 174								

Lab Sample ID: 480-167472-3 MSD

Matrix: Solid

Analysis Batch: 522032

Client Sample ID: SB-R3

Prep Type: Total/NA

Prep Batch: 521835

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
PCB-1016	ND		2.83	4.25		mg/Kg	☼	150	50 - 177	26	50
PCB-1260	ND		2.83	4.03		mg/Kg	☼	142	33 - 200	30	50
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Tetrachloro-m-xylene	140		60 - 154								
DCB Decachlorobiphenyl	115		65 - 174								

QC Association Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

GC/MS VOA

Prep Batch: 521637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167472-1	SB-R11	Total/NA	Solid	5035A_H	
480-167472-2	SB-R4	Total/NA	Solid	5035A_H	
480-167472-3	SB-R3	Total/NA	Solid	5035A_H	
480-167472-4	SB-R101	Total/NA	Solid	5035A_H	
480-167472-4 - DL	SB-R101	Total/NA	Solid	5035A_H	
480-167472-5	SB-R1	Total/NA	Solid	5035A_H	
480-167472-6	SB-R38	Total/NA	Solid	5035A_H	
480-167472-7	SB-R43	Total/NA	Solid	5035A_H	
480-167472-8	SB-R42	Total/NA	Solid	5035A_H	
480-167472-9	SB-R37	Total/NA	Solid	5035A_H	
480-167472-10	SB-R40	Total/NA	Solid	5035A_H	
480-167472-11	SB-R41	Total/NA	Solid	5035A_H	
480-167472-12	DUP-03	Total/NA	Solid	5035A_H	
MB 480-521637/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-521637/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	
480-167472-3 MS	SB-R3	Total/NA	Solid	5035A_H	
480-167472-3 MSD	SB-R3	Total/NA	Solid	5035A_H	

Analysis Batch: 521892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167472-1	SB-R11	Total/NA	Solid	8260C	521637
480-167472-2	SB-R4	Total/NA	Solid	8260C	521637
480-167472-3	SB-R3	Total/NA	Solid	8260C	521637
480-167472-4	SB-R101	Total/NA	Solid	8260C	521637
480-167472-5	SB-R1	Total/NA	Solid	8260C	521637
480-167472-6	SB-R38	Total/NA	Solid	8260C	521637
480-167472-7	SB-R43	Total/NA	Solid	8260C	521637
480-167472-8	SB-R42	Total/NA	Solid	8260C	521637
480-167472-9	SB-R37	Total/NA	Solid	8260C	521637
480-167472-10	SB-R40	Total/NA	Solid	8260C	521637
480-167472-11	SB-R41	Total/NA	Solid	8260C	521637
480-167472-12	DUP-03	Total/NA	Solid	8260C	521637
MB 480-521637/2-A	Method Blank	Total/NA	Solid	8260C	521637
LCS 480-521637/1-A	Lab Control Sample	Total/NA	Solid	8260C	521637
480-167472-3 MS	SB-R3	Total/NA	Solid	8260C	521637
480-167472-3 MSD	SB-R3	Total/NA	Solid	8260C	521637

Analysis Batch: 522089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167472-4 - DL	SB-R101	Total/NA	Solid	8260C	521637

GC Semi VOA

Prep Batch: 521629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167472-1	SB-R11	Total/NA	Solid	3550C	
480-167472-3	SB-R3	Total/NA	Solid	3550C	
480-167472-4	SB-R101	Total/NA	Solid	3550C	
MB 480-521629/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-521629/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-167472-3 MS	SB-R3	Total/NA	Solid	3550C	

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

GC Semi VOA (Continued)

Prep Batch: 521629 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167472-3 MSD	SB-R3	Total/NA	Solid	3550C	

Analysis Batch: 521722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167472-1	SB-R11	Total/NA	Solid	310.13	521629
480-167472-3	SB-R3	Total/NA	Solid	310.13	521629
480-167472-4	SB-R101	Total/NA	Solid	310.13	521629
MB 480-521629/1-A	Method Blank	Total/NA	Solid	310.13	521629
LCS 480-521629/2-A	Lab Control Sample	Total/NA	Solid	310.13	521629
480-167472-3 MS	SB-R3	Total/NA	Solid	310.13	521629
480-167472-3 MSD	SB-R3	Total/NA	Solid	310.13	521629

Prep Batch: 521835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167472-1	SB-R11	Total/NA	Solid	3550C	
480-167472-3	SB-R3	Total/NA	Solid	3550C	
480-167472-4	SB-R101	Total/NA	Solid	3550C	
MB 480-521835/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-521835/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-167472-3 MS	SB-R3	Total/NA	Solid	3550C	
480-167472-3 MSD	SB-R3	Total/NA	Solid	3550C	

Analysis Batch: 522032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167472-1	SB-R11	Total/NA	Solid	8082A	521835
480-167472-3	SB-R3	Total/NA	Solid	8082A	521835
480-167472-4	SB-R101	Total/NA	Solid	8082A	521835
MB 480-521835/1-A	Method Blank	Total/NA	Solid	8082A	521835
LCS 480-521835/2-A	Lab Control Sample	Total/NA	Solid	8082A	521835
480-167472-3 MS	SB-R3	Total/NA	Solid	8082A	521835
480-167472-3 MSD	SB-R3	Total/NA	Solid	8082A	521835

General Chemistry

Analysis Batch: 521635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167472-1	SB-R11	Total/NA	Solid	Moisture	
480-167472-2	SB-R4	Total/NA	Solid	Moisture	
480-167472-3	SB-R3	Total/NA	Solid	Moisture	
480-167472-4	SB-R101	Total/NA	Solid	Moisture	
480-167472-5	SB-R1	Total/NA	Solid	Moisture	
480-167472-6	SB-R38	Total/NA	Solid	Moisture	
480-167472-7	SB-R43	Total/NA	Solid	Moisture	
480-167472-8	SB-R42	Total/NA	Solid	Moisture	
480-167472-9	SB-R37	Total/NA	Solid	Moisture	
480-167472-10	SB-R40	Total/NA	Solid	Moisture	
480-167472-11	SB-R41	Total/NA	Solid	Moisture	
480-167472-12	DUP-03	Total/NA	Solid	Moisture	
480-167472-3 MS	SB-R3	Total/NA	Solid	Moisture	
480-167472-3 MSD	SB-R3	Total/NA	Solid	Moisture	

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R11

Date Collected: 03/09/20 09:50

Date Received: 03/13/20 15:35

Lab Sample ID: 480-167472-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	521635	03/16/20 15:29	WJD	TAL BUF

Client Sample ID: SB-R11

Date Collected: 03/09/20 09:50

Date Received: 03/13/20 15:35

Lab Sample ID: 480-167472-1

Matrix: Solid

Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			521637	03/16/20 15:37	WJD	TAL BUF
Total/NA	Analysis	8260C		1	521892	03/18/20 09:29	AMM	TAL BUF
Total/NA	Prep	3550C			521629	03/16/20 15:10	SGD	TAL BUF
Total/NA	Analysis	310.13		1	521722	03/17/20 12:06	MAN	TAL BUF
Total/NA	Prep	3550C			521835	03/17/20 15:05	SGD	TAL BUF
Total/NA	Analysis	8082A		1	522032	03/18/20 17:08	DSC	TAL BUF

Client Sample ID: SB-R4

Date Collected: 03/09/20 14:40

Date Received: 03/13/20 15:35

Lab Sample ID: 480-167472-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	521635	03/16/20 15:29	WJD	TAL BUF

Client Sample ID: SB-R4

Date Collected: 03/09/20 14:40

Date Received: 03/13/20 15:35

Lab Sample ID: 480-167472-2

Matrix: Solid

Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			521637	03/16/20 15:37	WJD	TAL BUF
Total/NA	Analysis	8260C		25	521892	03/18/20 09:52	AMM	TAL BUF

Client Sample ID: SB-R3

Date Collected: 03/10/20 10:30

Date Received: 03/13/20 15:35

Lab Sample ID: 480-167472-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	521635	03/16/20 15:29	WJD	TAL BUF

Client Sample ID: SB-R3

Date Collected: 03/10/20 10:30

Date Received: 03/13/20 15:35

Lab Sample ID: 480-167472-3

Matrix: Solid

Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			521637	03/16/20 15:37	WJD	TAL BUF
Total/NA	Analysis	8260C		10	521892	03/18/20 10:15	AMM	TAL BUF
Total/NA	Prep	3550C			521629	03/16/20 15:10	SGD	TAL BUF
Total/NA	Analysis	310.13		1	521722	03/17/20 10:19	MAN	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R3

Lab Sample ID: 480-167472-3

Date Collected: 03/10/20 10:30

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			521835	03/17/20 15:05	SGD	TAL BUF
Total/NA	Analysis	8082A		1	522032	03/18/20 16:43	DSC	TAL BUF

Client Sample ID: SB-R101

Lab Sample ID: 480-167472-4

Date Collected: 03/10/20 14:35

Matrix: Solid

Date Received: 03/13/20 15:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	521635	03/16/20 15:29	WJD	TAL BUF

Client Sample ID: SB-R101

Lab Sample ID: 480-167472-4

Date Collected: 03/10/20 14:35

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 77.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			521637	03/16/20 15:37	WJD	TAL BUF
Total/NA	Analysis	8260C		100	521892	03/18/20 10:39	AMM	TAL BUF
Total/NA	Prep	5035A_H	DL		521637	03/16/20 15:37	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	500	522089	03/19/20 17:35	CRL	TAL BUF
Total/NA	Prep	3550C			521629	03/16/20 15:10	SGD	TAL BUF
Total/NA	Analysis	310.13		1	521722	03/17/20 12:41	MAN	TAL BUF
Total/NA	Prep	3550C			521835	03/17/20 15:05	SGD	TAL BUF
Total/NA	Analysis	8082A		5	522032	03/18/20 17:21	DSC	TAL BUF

Client Sample ID: SB-R1

Lab Sample ID: 480-167472-5

Date Collected: 03/10/20 16:15

Matrix: Solid

Date Received: 03/13/20 15:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	521635	03/16/20 15:29	WJD	TAL BUF

Client Sample ID: SB-R1

Lab Sample ID: 480-167472-5

Date Collected: 03/10/20 16:15

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			521637	03/16/20 15:37	WJD	TAL BUF
Total/NA	Analysis	8260C		50	521892	03/18/20 11:02	AMM	TAL BUF

Client Sample ID: SB-R38

Lab Sample ID: 480-167472-6

Date Collected: 03/11/20 08:45

Matrix: Solid

Date Received: 03/13/20 15:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	521635	03/16/20 15:29	WJD	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R38

Lab Sample ID: 480-167472-6

Date Collected: 03/11/20 08:45

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 81.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			521637	03/16/20 15:37	WJD	TAL BUF
Total/NA	Analysis	8260C		1	521892	03/18/20 11:25	AMM	TAL BUF

Client Sample ID: SB-R43

Lab Sample ID: 480-167472-7

Date Collected: 03/11/20 10:15

Matrix: Solid

Date Received: 03/13/20 15:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	521635	03/16/20 15:29	WJD	TAL BUF

Client Sample ID: SB-R43

Lab Sample ID: 480-167472-7

Date Collected: 03/11/20 10:15

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			521637	03/16/20 15:37	WJD	TAL BUF
Total/NA	Analysis	8260C		1	521892	03/18/20 11:48	AMM	TAL BUF

Client Sample ID: SB-R42

Lab Sample ID: 480-167472-8

Date Collected: 03/11/20 10:50

Matrix: Solid

Date Received: 03/13/20 15:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	521635	03/16/20 15:29	WJD	TAL BUF

Client Sample ID: SB-R42

Lab Sample ID: 480-167472-8

Date Collected: 03/11/20 10:50

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			521637	03/16/20 15:37	WJD	TAL BUF
Total/NA	Analysis	8260C		2	521892	03/18/20 12:11	AMM	TAL BUF

Client Sample ID: SB-R37

Lab Sample ID: 480-167472-9

Date Collected: 03/11/20 15:40

Matrix: Solid

Date Received: 03/13/20 15:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	521635	03/16/20 15:29	WJD	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: SB-R37

Lab Sample ID: 480-167472-9

Date Collected: 03/11/20 15:40

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			521637	03/16/20 15:37	WJD	TAL BUF
Total/NA	Analysis	8260C		1	521892	03/18/20 12:34	AMM	TAL BUF

Client Sample ID: SB-R40

Lab Sample ID: 480-167472-10

Date Collected: 03/11/20 16:15

Matrix: Solid

Date Received: 03/13/20 15:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	521635	03/16/20 15:29	WJD	TAL BUF

Client Sample ID: SB-R40

Lab Sample ID: 480-167472-10

Date Collected: 03/11/20 16:15

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			521637	03/16/20 15:37	WJD	TAL BUF
Total/NA	Analysis	8260C		1	521892	03/18/20 12:57	AMM	TAL BUF

Client Sample ID: SB-R41

Lab Sample ID: 480-167472-11

Date Collected: 03/11/20 14:15

Matrix: Solid

Date Received: 03/13/20 15:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	521635	03/16/20 15:29	WJD	TAL BUF

Client Sample ID: SB-R41

Lab Sample ID: 480-167472-11

Date Collected: 03/11/20 14:15

Matrix: Solid

Date Received: 03/13/20 15:35

Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			521637	03/16/20 15:37	WJD	TAL BUF
Total/NA	Analysis	8260C		1	521892	03/18/20 13:20	AMM	TAL BUF

Client Sample ID: DUP-03

Lab Sample ID: 480-167472-12

Date Collected: 03/10/20 00:00

Matrix: Solid

Date Received: 03/13/20 15:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	521635	03/16/20 15:29	WJD	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Client Sample ID: DUP-03
Date Collected: 03/10/20 00:00
Date Received: 03/13/20 15:35

Lab Sample ID: 480-167472-12
Matrix: Solid
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			521637	03/16/20 15:37	WJD	TAL BUF
Total/NA	Analysis	8260C		2	521892	03/18/20 13:43	AMM	TAL BUF

Laboratory References:
TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
310.13	3550C	Solid	Fuel Oil #2
310.13	3550C	Solid	Fuel Oil #4
310.13	3550C	Solid	Fuel Oil #6
310.13	3550C	Solid	Gasoline
310.13	3550C	Solid	Kerosene
310.13	3550C	Solid	Motor Oil
310.13	3550C	Solid	Unknown Hydrocarbons
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
310.13	Identification of Routine Petroleum Products	NYASP	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

NYASP = New York Analytical Services Protocol

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-167472-1	SB-R11	Solid	03/09/20 09:50	03/13/20 15:35	
480-167472-2	SB-R4	Solid	03/09/20 14:40	03/13/20 15:35	
480-167472-3	SB-R3	Solid	03/10/20 10:30	03/13/20 15:35	
480-167472-4	SB-R101	Solid	03/10/20 14:35	03/13/20 15:35	
480-167472-5	SB-R1	Solid	03/10/20 16:15	03/13/20 15:35	
480-167472-6	SB-R38	Solid	03/11/20 08:45	03/13/20 15:35	
480-167472-7	SB-R43	Solid	03/11/20 10:15	03/13/20 15:35	
480-167472-8	SB-R42	Solid	03/11/20 10:50	03/13/20 15:35	
480-167472-9	SB-R37	Solid	03/11/20 15:40	03/13/20 15:35	
480-167472-10	SB-R40	Solid	03/11/20 16:15	03/13/20 15:35	
480-167472-11	SB-R41	Solid	03/11/20 14:15	03/13/20 15:35	
480-167472-12	DUP-03	Solid	03/10/20 00:00	03/13/20 15:35	

CHAIN OF CUSTODY

**Client: New York State Dept. of
Environmental Conservation**

PAGE OF

FED-EX Tracking #	Bottle Order Control #
Lab Quote #	Lab Job #

CLIENT/REPORTING INFORMATION		PROJECT INFORMATION						BILLING INFORMATION							REQUESTED ANALYSIS (see Test Code sheet)				LAB USE ONLY							
Groundwater & Environmental Services, Inc. 415 Lawrence Bell Drive, Williamsville, NY 14221 Project Manager: Thomas Palmer Phone #: 800-287-7857 Email: fax NERegion@gesonline.com 866-902-2187		Project Name: NYSDEC/Frewsburg/NY/FalconerSt/300 Project Address: 300 Falconer Street, Frewsburg, NY Project PSID #: 0901685-05-216						NYSDEC NYSDEC PM: Maurice Moore Phone Number: (716) 851-7220 Email: maurice.moore@dec.ny.gov Lab PM: Orlette Johnson NYSDEC Site No.: 907016																		
Sampler(s) Name: Pat Colern		Sampler(s) Name:						number of preserved bottles							VOCs via 8260C	PCBs via 8082A (9 Arochlor)s	TPH 310-13									
Lab Sample #	Field ID / Point of Collection (Sys_loc_code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	HCl	NaOH	HNO3	H2SO4	NONE	DJ Water	MEOH	ENCORE	Amber										
SR-R11		4-6	3/9/20	0950	P.Z.	SS											X	X	X							
SR-R4		12-14	3/9/20	1440	P.Z.	SS											X	X	X							
SR-R3		10-12	3/10/20	1030	P.Z.	SS											X	X	X							
SR-R101		8-10	3/10/20	1435	P.Z.	SS											X	X	X							
SR-R1		12-14	3/11/20	1615	P.Z.	SS											X	X	X							
SR-R38		12-14	3/11/20	0845	P.Z.	SS											X	X	X							
SR-R43		12-14	3/11/20	1015	P.Z.	SS											X	X	X							
SR-R42		18-20	3/11/20	1050	P.Z.	SS											X	X	X							
SR-R37		10-12	3/11/20	1540	P.Z.	SS											X	X	X							
SR-R40		10-12	3/11/20	1615	P.Z.	SS											X	X	X							
SR-R41		14-16	3/11/20	1515	P.Z.	SS											X	X	X							
DUP-03		-	3/10/20	-	P.Z.	SS											X	X	X							

Turnaround Time (Business Days) Approved By (Lab PM) / Date

☒ Standard 14 Days

1 day RUSH

☐ Other

Laboratory Information

Lab: TestAmerica Buffalo

Address: 15 Hazelwood Drive, Amherst, NY

Phone: 484-685-0864

Lab PM: Orlette Johnson

Lab PM Email: Orlette.Johnson@testamericainc.com

Data Deliverable Information

Commercial 'A' (Level 1) = Results Only

Commercial 'B' (Level 2) = Results + QC Summary

└ FULLT1 (Level 3 & 4)

└ NJ Reduced = Results + QC Summary + Partial Raw Data

Commercial 'C'

┐ *NJ Data of Known Quality Protocol Reporting*

NYASP Category A

 NYASP Category B

└ State Forms

☒ EQEDD

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSDEC/Frewsburg/NY/FalconerSt/300_LabReport#.27908.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By Sampler:	Date / Time:	Received By:	
1 [Signature] 2/12/20 10:00	1 2/12/20 10:00	1 [Signature]	
Relinquished By:	Date / Time:	Received By:	
2 [Signature] 3/13/20 15:30	2 3/13/20 15:30	2 [Signature] 3-13-20 15:30	
Relinquished By:	Date / Time:	Received By:	
3	3	3	
Custody Seal Number:	☐ Intact ☐ Not Intact	☐ Preserved where applicable ☐ On Ice	Cooler Temp 4,4 #1 ICE



480-167472 Chain of Custody

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3/30/2020

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-167472-1

Login Number: 167472

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	False	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ges
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Quantitation Limit Exceptions Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-167472-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
310.13	Motor Oil	Solid	Total/NA	mg/Kg	33	33.33