BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

November 12, 2020

Mr. Eric Ekman
Vice President, Development & Acquisitions
McGuire Development Company
560 Delaware Avenue, Suite 300
Buffalo, NY 14202

Re: Phase II Environmental Investigation Report
293 Grote Street, Buffalo, NY (Site)
Former Buerk Tool

Dear Mr. Ekman:

Benchmark Environmental Engineering and Science, PLLC (Benchmark) has prepared this letter to summarize the results of the Phase II Environmental Investigation (Phase II) activities completed at the above referenced Site for McGuire Development Company (MDC).

BACKGROUND

The Site consists of one (1) parcel (SBL # 89.21-1-1), is ±0.75 acres in size, and is listed by the City of Buffalo as being addressed as 293 Grote Street (the mailing address for the Site is 315 Grote Street, see Figures 1 and 2). Buerk Tool was a former machine shop that occupied the Site dating back to the 1930s and utilized various lathes, grinders, bore mill, etc. that used cutting oils in their operations. Evidence of the oil use can be seen throughout the building. Oil dispensers, 55-gallon drums, 5-gallon buckets, along with heavy staining were observed within the building during our August 19th site visit.

The primary purpose of the Phase II was to assess recognized environmental concerns (RECs) identified in a previous completed Phase I Environmental Site Assessment (ESA)[1]. RECs identified are as follows:

- Historic operations at the Site (i.e., machine shop, factories, manufacturing, and automotive repair) along with the presence of remaining equipment, a floor drain, a sump, a catch basin, trenches, oil-filled voids of unknown nature, and the historic use and generation of hazardous/regulated materials (as evidenced by the RCRA Generator regulatory listing) as subsurface conditions are unknown.

[1] "Phase I Environmental Site Assessment, 315 Grote Street, Buffalo, New York". Prepared for McGuire Development Company. Prepared by Benchmark Environmental Engineering and Science, PLLC. October 2020.

- The black staining and oil present on the floor due to its significant nature with visual impacts to ground surfaces and the potential for sub-slab impacts.
- Remaining electrical equipment due to the potential for polychlorinated biphenyls (PCBs).
- The suspect underground storage tank (UST) related vent/fill pipes noted during Benchmark's site reconnaissance and the 5,000-gallon fuel oil tank identified in municipal records (it is unknown to Benchmark whether the suspect UST noted during Benchmark's site visit is related to the tank identified in municipal records) as sufficient tank closure documentation is unavailable.
- Interior floor sampling conducted identified PCBs in the concrete of the 1st floor and there is potential for sub-slab impacts.

Based on the RECs identified, Benchmark recommended a Phase II to determine if there has been an impact to the environment at the Site at levels which may complicate redevelopment. The Phase II approach and findings are discussed below.

PHASE II SOIL/FILL INVESTIGATION

The Phase II activities consisted of 15 soil borings (SBs) and five (5) test pits (TPs). The investigation locations are shown on attached Figure 2. The SBs were advanced using a track-mounted direct push drill rig to assess subsurface soil/fill conditions beneath the building, in the vicinity of the UST in the exterior courtyard, and gravel parking lot west of the building. The test pits were completed with a mini excavator and were completed in the gravel parking lot and courtyard/UST area.

Benchmark personnel made visual and olfactory observations, and scanned soil/fill samples retrieved from the SBs and TPs for total volatile organic vapors with a photoionization detector (PID) that is capable of detecting the presence of contaminants that emit volatile organic compounds (VOCs) such as petroleum products and solvents. Based on the field observations and field screening, soil/fill samples were selected for analytical testing.

Table 1 is a summary of the soil/fill samples submitted for to the laboratory along with the analysis completed. The soil/fill samples collected were placed in pre-cleaned laboratory provided sample jars, cooled to 4°C in the field, and transported under chain-of-custody to Alpha Analytical, Inc. for analysis which included USEPA Target Compound List (TCL) VOCs via EPA Method 8260, Commissioners Policy 51 (CP-51 list) semi-volatile organic compounds (SVOCs) via EPA Method 8270, Resource Conservation and Recovery Act (RCRA) 8 metals via EPA Method 6010C/7471B, and PCBs via EPA Method 8082.

SURFACE AND SUBSURFACE CONDITIONS

Fifteen (15) soil boring (SB-1 through SB-15) were advanced across the Site to assess subsurface soil/fill conditions. The subsurface conditions consist mainly of fill materials overlying native clay soil. The SBs were advanced to depths ranging from 3.5 to 20 feet below ground surface (fbgs). Equipment refusal was encountered at one (1) location, SB-11 at 3.5 fbgs. The refusal was likely caused by the presence of the UST in the courtyard area.

Five (5) test pits were also completed on the exterior of the Site. Three (3) test pits (TP-1, -2, and -3) were complete in the parking lot west of the building and two (2) test pits were completed in the courtyard (TP-4) and to uncover the UST (TP-5).

Fill materials were generally encountered in the upper 1 to 4 fbgs and consisted of black fines intermingled with gray clay and man-made constituents (brick, cinders, ash, metal cuttings, etc.). The fill material thickness was observed to be about 1 to 2 feet beneath the building (SB-1 through SB-9, and SB-13), about 2 feet (TP-4) to 4 fbgs in the courtyard area near the UST (SB-10 through SB-12), and varied from about 1 foot to 6 feet in the parking lot area west of the building (SB-14, SB-15, TP-1, TP-2 and TP-3). Native clay soils were encountered below the fill material. Table 2 is a description of the subsurface conditions encountered at the SB and TP locations.

Saturated subsurface soils (i.e., evidence of groundwater) were not encountered during the Phase II activities. SB-2 was advanced to a depth of 20 fbgs, a temporary 1-inch diameter PVC well was installed and let sit for approximately 6 hours. No water was observed in the temporary PVC well. The temporary well was removed. The SB locations were backfilled with soil cuttings from the respective locations and the interior locations were capped with concrete.

PID measurements above background (i.e., 0 parts per million (ppm)) were notes at the five (5) locations (SB-10, SB-11, SB-12, TP-4, and TP-5) completed in the courtyard and vicinity of UST, and SB-13 (building garage addition). See Table 2 for PID measurements. Odors were also noted during the completion of SB-12, TP-4, and TP-5.

During the completion of TP-5, Benchmark exposed the south end of the tank down to a depth of approximately 10 fbgs. The UST has approximate dimensions of 7 feet in diameter and 18 feet in length (approximately a 5,000-gallon tank). Along the south end of the UST, at the bottom of the excavation, a small amount of perched water was encountered in the bedding material around the UST. Petroleum odors, elevated PID readings (approximately 30 to 80 ppm), and evidence of product (globules of product on the water at the bottom of excavation at south end of the of the UST) were noted. Due to these findings, NYSDEC was notified and Spill No. 2007182 was assigned to the Site.

During the completion of TP-5, Benchmark removed the fill port of the UST to access the tank interior to assess for contents. The tanks contained a mixture of residual product and water, approximately 1 foot thick at the bottom of the UST (approximately 400 gallons). A

sample of the residual product was collected and sent to the laboratory for characterization analysis via NYSDOH 310.13, TCL VOCs, RCRA 8 metals, PCBs, and ignitibility. The results indicated that the product was a medium weight petroleum hydrocarbon as diesel fuel and the contents are acceptable for non-hazardous reclamation. We note that No. 2 fuel oil and diesel have similar characteristics, and an Assessors record reviewed during the previous ESA indicated a 5,000-gallon fuel oil tank was present at the Site in at least 1957.

Photographs of select investigation locations are included as Attachment 1.

SOIL/FILL ANALYTICAL RESULTS

The results of the analytical samples collected and analyzed as part of the Phase II are summarized on Table 3 and the laboratory reports are included as Attachment 2. Based on the planned redevelopment (mixed residential and commercial use), the applicable soil cleanup objectives (SCOs) would be Part 375 Restricted-Residential Use Soil Cleanup Objectives (RRSCOs).

Volatile Organic Compounds

Eight (8) samples were selected for TCL VOC analysis. VOCs were detected above method detection limits in four (4) of the eight (8) samples analyzed. Acetone was detected above its respective Unrestricted Use Soil Cleanup Objective (USCO) at two (2) locations SB-1 (0.5 to 2 ft) and SB-6 (0.3 to 2 ft), and total xylenes was detected above its respective USCO at TP-5 (3 to 3.5), which was detected in the vicinity of the UST. [We note that the USCO for total xylene is the same as its CP-51 Soil Cleanup Level which is used by NYSDEC for petroleum spill cleanup guidance.]

Semi-Volatile Organic Compounds

Eleven (11) samples were selected for CP-51 List SVOCs analysis. SVOCs were detected above method detection limits in ten (10) of the eleven (11) samples analyzed.

SVOCs were detected above their respective RRSCOs, Commercial SCOs (CSCOs), and respective Industrial SCOs (ISCOs) at six (6) sample locations: SB-7 (0.3 to 2 ft), SB-11 (0 to 3.5 ft), TP-1 (1 to 2 ft), TP-2 (2.5 to 4 ft), TP-4 (0.5 to 2 ft) and TP-5 (3 to 3.5 ft). The sample from SB-7 was representative of the fill material present beneath the western portion of the building. The samples from SB-11 and TP-4 were representative of the fill material present in the exterior courtyard. The sample from TP-5 was from the south end of the UST and samples from TP-1 and TP-2 were from the fill material present beneath the gravel parking lot in the western portion of the Site. [We note that the USCO for the SVOCs detected at TP-5 are the same as the CP-51 Soil Cleanup Level for SVOCs which are used by NYSDEC for petroleum spill cleanup guidance.]

Polychlorinated Biphenyls

Ten (10) samples were selected for PCB analysis. PCBs were detected above method detection limits in seven (7) of the ten (10) samples analyzed. The total PCB concentrations detected at

TP-2 (2.5 to 4 ft) exceed its USCO; SB-11 (0 to 3.5 ft) exceed its CSCO; and TP-4 (0.5 to 2 ft) and TP-5 (3-3.5 ft) exceed its ISCO.

Metal Analytes

Ten (10) samples were selected for RCRA 8 metals analysis. Metal analytes were detected above method detection limits in the ten (10) samples. Metals in exceedance of their respective USCOs were detected at SB-6 (0.3 to 2 ft), SB-11 (0-3.5 ft), SB-15 (0.5 to 3.5 ft), TP-1 (1 to 2 ft), TP-2 (2.5 to 4 ft) and TP-4 (0.5 to 2 ft). Metals were also detected above their respective RRSCOs, CSCOs and ISCOs at TP-4 (0.5 to 2 ft).

CONCLUSIONS

The contaminants detected, SVOCs, PCBs, and metals were detected at concentrations above their respective applicable SCOs (i.e., Restricted Residential) for the intended reuse of the property. Based on the work done around the UST (TP-5), petroleum odors, elevated PID readings (approximately 30 to 80 ppm), and evidence of product (globules of product on the water at the bottom of excavation at south end of the of the UST) were noted. NYSDEC was notified and Spill No. 2007182 was assigned to the Site. The UST is approximately 5,000-gallons in size and contains approximately 400 gallons of residual product and water. The UST, its contents, and associated impacted soil/fill will need to be removed and property disposed.

Based on the existing data, which includes SVOC-, PCB-, and metals-contaminated soil/fill at multiple sample locations are above the applicable RRSCOs, as well as CSCOs and ISCOs, the Site is a candidate for the NYS Brownfield Cleanup Program (BCP). The Site meets the definition of a BCP site per the current 6NYCRR Part 375 definition which states a "brownfield site or site shall mean any real property where a contaminant is present at levels exceeding the soil cleanup objectives or other health-based or environmental standards, criteria, or guidance adopted by the department that are applicable based on the reasonably anticipated use of the property, in accordance with applicable regulations."

We recommend that a copy of this report be provided to NYSDEC regarding Spill 2007182 that was assigned to the Site. If the Site is accepted into the BCP, remediation related to the UST and associated petroleum contamination will be completed under that program, in addition to other areas identified based on the reuse of the property. If the Site is not entered and/or accepted into the BCP, the UST and associated petroleum contamination will need to be addressed under the Spill Program.

We appreciate this opportunity to work with MDG on this project. Please contact us if you have any questions or require additional information.

Sincerely,
Benchmark Environmental Engineering & Science, PLLC

Christopher Boron, P.G.
Sr. Project Manager

Thomas H. Forbes, P.E.
Principal Engineer

Attachments:
Table 1 – Summary of Sampling and Analysis Program
Table 2 – Summary of Subsurface Field Observations
Table 3 – Soil/Fill Sample Analytical Results
Figure 1 – Site Location & Vicinity Map
Figure 2 – Site Plan with Investigation Locations
Attachment 1 – Photographs
Attachment 2 – Analytical Reports

TABLES

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TABLE 1

SUMMARY OF SAMPLING AND ANALYSIS PROGRAM
PHASE II ENVIRONMENTAL INVESTGATION REPORT
315 GROTE STREET, BUFFALO, NEW YORK

Sample Location	Sample Depth (fbgs)	Soil Type	Analysis			
			TCL VOCs	CP-51 list SVOCs	PCBs	RCRA 8 Metals
Subsurface Soil/Fill Samples						
SB-1	0.5 to 2	Fill	x	x	x	x
SB-2	0.5 to 2	Fill		x		x
SB-3	0.7 to 2	Fill			x	
SB-6	0.3 to 2	Fill	x	x	x	x
SB-7	0.3 to 2	Fill		x	x	x
SB-10	8.0 to 10	Native	x			
SB-11	0.0 to 3.5	Fill		x	x	x
SB-12	6.0 to 8	Native	x	x	x	
SB-15	0.5 to 3.5	Fill		x		x
TP-1	0.5 to 2	Fill	x	x	x	x
TP-2	3 to 4	Fill	x	x	x	x
TP-4	0.5 to 2	Fill	x	x	x	x
TP-5	3 to 3.5	Fill	x	x	x	x

Notes:
fbgs - feet below ground surface.
CP-51 SVOCs - Commisoners policy 51, Semivolatile Organic Compounds.
RCRA - Resource Conservation & Recovery Act.
TCL VOC - Total Compound List, Volatile Organic Compounds
PCBs - Polychlorinated bipheyls

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TABLE 2

SUMMARY OF SUBSURFACE FIELD OBSERVATIONS
PHASE II ENVIRONMENTAL INVESTIGATION REPORT
315 GROTE STREET
BUFFALO, NEW YORK

Location	Date	Fill Present	Odors	Groundwater present	Depth of Soil Boring/Test Plt (fbgs)	PID Measurements	Sample Depth (ft)	Depth (fbgs) and Soil Description
Soil Boring Locations								
SB-1	10/06/20	no	No	No	16			0 to 0.5 ft: Concrete
						0	0.5 - 2'	0.5 to 4 ft: Lean Clay - Grey, moist, mostly clay, few fine sand, roots, stiff.
						0		4 to 8 ft Lean Clay - Reddish brown, dry, mostly clay, few fine sand, very, stiff, massive.
						0		8 to 16 ft. Lean Clay - Reddish brown, dry, mostly clay, few fine sand, very, stiff, massive.
SB-2	10/06/20	Yes	No	No	20			0 to 0.5 ft: Concrete
						0	0.5 - 2'	0.5 to 2 ft: Fill - Dark brown/black, fines mixed with clay and orange brick.
						0		2 to 4 ft: Lean Clay - Grey, moist, mostly clay, few fine sand, roots, stiff.
						0		4 to 20 ft Lean Clay - Reddish brown, dry, mostly clay, few fine sand, very stiff, massive.
SB-3	10/06/20	Yes	No	No	16			0 to 0.7 ft: Concrete
						0	0.7 - 2'	0.5 to 2 ft: Fill - Brown, moist, mostly fine sand, with little fine gravel, medium dense.
						0		2 to 4 ft: Lean Clay - Grey, moist, mostly clay, few fine sand, roots, stiff.
						0		4 to 16 ft Lean Clay - Reddish brown, dry, mostly clay, few fine sand, very stiff, massive.
SB-4	10/06/20	Yes	No	No	16			0 to 0.5 ft: Concrete
						0		0.5 to 1 ft: Fill - Brown, moist, mostly fine sand, with little fine gravel, mixed with clay, dense.
						0		1 to 2 ft: Lean Clay - Dark Grey, moist, mostly clay, few fine sand, roots, stiff.
						0		2 to 4 ft: Sandy Lean Clay - Olive/Grey, moist, mostly clay, some fine sand, stiff, massive.
						0		4 to 16 ft Lean Clay - Reddish brown, dry, mostly clay, few fine sand, very stiff, massive.
SB-5	10/06/20	Yes	No	No	8			0 to 0.3 ft: Concrete
						0		0.3 to 1 ft: Fill - Black, moist, mostly black fines, with orange brick.
						0		1 to 2 ft: Lean Clay - Dark Grey, moist, mostly clay, few fine sand, roots, stiff.
						0		2 to 4 ft: Lean Clay - Olive/Grey, moist, mostly clay, few fine sand, stiff, massive.
						0		4 to 8 ft Lean Clay - Reddish brown, dry, mostly clay, few fine sand, very, stiff, massive.
SB-6	10/06/20	Yes	No	No	8			0.0 to 0.3 ft: Concrete
						0	0.3 - 2'	0.3 to 1 ft: Fill - Black, moist, mostly black fines, with cinders and concrete.
						0		1 to 2 ft: Lean Clay - Dark Grey, moist, mostly clay, few fine sand, roots, stiff.
						0		4 to 8 ft Lean Clay - Reddish brown, dry, mostly clay, few fine sand, very, stiff, massive.
SB-7	10/06/20	Yes	No	No	8			0.0 to 0.3 ft: Concrete
						0	0.3 - 2'	0.3 to 1 ft: Fill - Black, moist, mostly black fines, with cinders and white ash.
						0		1 to 2 ft: Lean Clay - Black/dark Grey, moist, mostly clay, few fine sand, roots, stiff.
						0		2 to 4 ft: Lean Clay - Grey, moist, mostly clay, few fine sand, roots, stiff.
						0		4 to 8 ft Lean Clay - Reddish brown, dry, mostly clay, few fine sand, very, stiff, massive.
SB-8	10/06/20	No	No	No	8			0 to 0.3 ft: Concrete
						0		0.3 to 4 ft: Lean Clay - Dark Grey, moist, mostly clay, few fine sand, roots, stiff.
						0		4 to 8 ft Lean Clay - Reddish brown, dry, mostly clay, few fine sand, very, stiff, massive.
SB-9	10/06/20	Yes	No	No	8			0.0 to 0.3 ft: Concrete
						0		0.3 to 1 ft: Fill - Black, mostly fines, mixed with grey clay with cinders.
						0		1 to 2 ft: Lean Clay - Black/dark Grey, moist, mostly clay, few fine sand, roots, stiff.
						0		2 to 4 ft: Lean Clay - moist, mostly clay, few fine sand, roots, stiff.
						0		4 to 8 ft Lean Clay - Reddish brown, dry, mostly clay, few fine sand, very, stiff, massive.
SB-10	10/06/20	Yes	No	No	16			0 to 0.3 ft: Concrete
						0.3		0.3 to 4 ft: Fill - Brown,/grey, mostly fine sand, mixed with grey clay, with few fine gravel.
						0		4 to 8 ft: Lean Clay - Reddish brown, dry, mostly clay, few fine sand, very, stiff, massive.
						1.8	8 - 12'	8 to 12 ft: Lean Clay - Reddish brown, dry, mostly clay, few fine sand, very, stiff, massive.
						0		12 to 16 ft: Lean Clay - Reddish brown, dry, mostly clay, few fine sand, very, stiff, massive.
SB-11	10/06/20	Yes	No	No	3.5	0.8	0.0 - 3.5'	0 - 3.5 ft: Fill - Brown/black, mostly fines and fine sand mixed with pea stone and clay.
SB-12	10/06/20	Yes	Yes	No	12	1.9		0 - 2 ft: Fill - Brown/black, mostly fines and fine sand mixed with pea stone and clay.
						1.3		2 to 4 ft: Lean Clay - Olive/Grey, moist, mostly clay, few fine sand, roots, stiff.
						23.1	6 - 8'	4 to 8 ft Lean Clay - Reddish brown, dry, mostly clay, few fine sand, very, stiff, massive.
						0		8 to 12 ft Lean Clay - Reddish brown, dry, mostly clay, few fine sand, very, stiff, massive.
SB-13	10/06/20	Yes	No	No	8			0 to 0.7 ft: Concrete
						0		0.7 to 1.5 ft: Fill - Black, mostly fines, with cinders.
						0.1		1.5 to 4 ft: Lean Clay - Olive/Grey, moist, mostly clay, few fine sand, roots, stiff.
						0.1		4 to 8ft: Lean Clay - Reddish brown, dry, mostly clay, few fine sand, very, stiff, massive.
SB-14	10/06/20	Yes	No	No	8	0		0 to 0.5 ft: Limestone - Grey, dry, mostly limestone with fine to coarse sand (limestone).
						0		0.5 to 1 ft: Fill - Black, mostly fines, some fine sand, orange brick.
						0		1 to 4ft: Lean Clay - Reddish brown, dry, mostly clay, few fine sand, very, stiff, massive.
						0		4 to 8 ft: Lean Clay - Reddish brown, dry, mostly clay, few fine sand, very, stiff, massive
SB-15	10/06/20	Yes	No	No	8	0		0 to 0.5 ft: Limestone - Grey, dry, mostly limestone with fine to coarse sand (limestone).
						0	0.5 - 3.5'	0.5 to 1.5 ft: Fill - Black/brown, mostly fines, some fine sand, mixed with clay, orange brick and ash.
						0		1.5 to 3.5 ft: Reworked Lean Clay - Brown, dry, mostly clay, few fine sand, with cinders, very, stiff, massive.
						0		3.5 to 8 ft: Lean Clay - Brown, dry, mostly clay, few fine sand, stiff, massive.
TP-1	11/04/20	Yes	No	No	7	0.0		0-0.5 ft: Subangular gravel (stone covered parking lot).
						0.0		0.5-1 ft: Fill - Black, moist, mostly fill (cinders,brick, concrete, metal), some subangular gravel, loose.
						0.0	1 - 2'	1-2 ft: Fill - White/grey, moist, mostly fill (ash, metal, brick) loose when disturbed.
						0.0		2-2.5 ft: Silty sand - tan/brown, moist, mostly fine sand, some silt, medium dense.
						0		2.5-7 ft: Lean clay - Reddish brown, dry, mostly clay, few fine sand, very, stiff, massive.
TP-2	11/04/20	Yes	No	No	6	0.0		0-1.5 ft: Subangular gravel (stone covered parking lot).
						0		1.5-2.2 ft: Fine sand- Tan, moist, mostly fine sand, little subangular gravel, medium dense.
						0.0	2.5 - 4'	2.2-6 ft: Fill- Black, moist, mostly fill (wood, brick, building materials, plastic, graphite, loose when disturbed.
TP-3	11/04/20	Yes	No	No	7	0		0-1 ft: Subangular gravel (stone covered parking lot).
						0		1-7 ft: Lean clay- Reddish brown, dry, mostly clay, few fine sand, very, stiff, massive.
TP-4	111/4/2020	Yes	Yes	No	8	10	0.5 - 2'	0-2 ft: Fill - Black/orange, moist, mostly subrounded gravel, some filll (metal cuttings, cinders), some black fines, loose.
						0		2-8 ft: Lean Clay- Grey, brown, moist, mostly medium plasticity fines, some fine sand, stiff.
TP-5	11/04/20	Yes	Yes	Perched	8	0		0-1ft: Peagravel with fill - brown/orange, moist, mostly peagravel, some metal fill, loose when disturbed.
						30	3 - 3.5'	1-2' Fine sand with fill- Black, moist, mostly black fines, some fill (metal cuttings, subangular gravel, brick, loose.
						83		2-4' Reworked Sandy lean clay- Grey, black staining, mostly medium plasticity fines, some fine sand, stiff.
						50		4-8' Lean clay- Grey, brown, moist, mostly medium plasticity fines, some fine sand, stiff, product on water at 8'

Definitions:
fbgs = feet below ground surface

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TABLE 3

SUMMARY OF SOIL/FILL SAMPLE ANALYTICAL RESULTS
PHASE II ENVIRONMENTAL INVESTIGATION REPORT
315 GROTE STREET, BUFFALO, NEW YORK

PARAMETER [1]	Unrestricted Use SCOs [2]	Restricted Residential Use SCOs [3]	Commercial Use SCOs [3]	Industrial Use SCOs [3]	SAMPLE LOCATIONS												
					SB-1 0.5-2.0 FT	SB-2 0.5-2.0 FT	SB-3 0.7-2.0 FT	SB-6 0.3-2.0 FT	SB-7 0.3-2.0 FT	SB-10 8-12 FT	SB-11 0.0-3.5 FT	SB-12 6-8 FT	SB-15 0.5-3.5 FT	TP-1 1-2 FT	TP-2 2.5-4 FT	TP-4 0.5 to 2 FT	TP-5 3-3.5 FT
					10/6/2020									11/4/2020			
Volatile Organic Compounds (VOCs) - mg/Kg [4]																	
2-Butanone	**0.12**	**100**	**500**	**1000**	0.0052 J	--	--	0.0075 J	--	ND	--	0.0034 J	--	ND	ND	ND	ND
Acetone	**0.05**	**100**	**500**	**1000**	**0.053**	--	--	**0.063**	--	ND	--	0.04	--	ND	ND	ND	ND
Isopropylbenzene	**--**	**--**	**--**	**--**	ND	--	--	ND	--	ND	--	ND	--	ND	ND	ND	0.19
Methyl cyclohexane	**--**	**--**	**--**	**--**	ND	--	--	ND	--	ND	--	ND	--	ND	ND	ND	0.061 J
Total Xylenes	**0.26**	**100**	**500**	**1000**	ND	--	--	ND	--	ND	--	ND	--	ND	ND	ND	**0.457**
Semi-Volatile Organic Compounds (SVOCs) - mg/Kg [4]																	
Acenaphthene	**20**	**100**	**500**	**1000**	ND	ND	--	ND	0.086 J	--	0.31	ND	0.033 J	0.17	0.056 J	0.35 J	2.7
Acenaphthylene	**100**	**100**	**500**	**1000**	ND	ND	--	0.044 J	0.22	--	0.059 J	ND	ND	0.074 J	1.7	ND	ND
Anthracene	**100**	**100**	**500**	**1000**	ND	ND	--	ND	0.44	--	0.82	ND	0.073 J	0.51	1.2	0.86	4.6
Benzo(a)anthracene	**1**	**1**	**5.6**	**11**	ND	0.087 J	--	0.16	**1.4**	--	**1.5**	ND	0.26	**2**	**5.9**	**1.9**	**6.3**
Benzo(a)pyrene	**1**	**1**	**1**	**1.1**	ND	0.14 J	--	0.15 J	**1.4**	--	**1.6**	ND	0.3	**2.4**	**5.6**	**2.2**	**6.6**
Benzo(b)fluoranthene	**1**	**1**	**5.6**	**11**	ND	0.16	--	0.2	**1.9**	--	**1.9**	ND	0.4	**2.7**	**8.7 D**	**2.6**	**8**
Benzo(ghi)perylene	**100**	**100**	**500**	**1000**	ND	0.098 J	--	0.097 J	0.89	--	0.96	ND	0.14 J	1.2	2.7	1.3	2.8
Benzo(k)fluoranthene	**0.8**	**3.9**	**56**	**110**	ND	0.046 J	--	0.08 J	0.48	--	0.76	ND	0.12	**0.99**	**2.4**	**1**	**1.9**
Chrysene	**1**	**3.9**	**56**	**110**	ND	0.1 J	--	0.15	**1.3**	--	**1.5**	ND	0.25	**1.9**	**4.9**	**1.8**	**5.4**
Dibenzo (a,h)anthracene	**0.33**	**0.33**	**0.56**	**1.1**	ND	ND	--	ND	0.21	--	0.24	ND	0.035 J	0.3	**0.92**	0.29 J	**0.76**
Fluoranthene	**100**	**100**	**500**	**1000**	ND	0.12 J	--	0.3	2.6	--	3.2	ND	0.61	4.2	11 D	4.6	13
Fluorene	**30**	**100**	**500**	**1000**	ND	ND	--	ND	0.17 J	--	0.35	ND	0.032 J	0.16 J	0.11 J	0.41 J	3
Indeno(1,2,3-cd)pyrene	**0.5**	**0.5**	**5.6**	**11**	ND	0.093 J	--	0.098 J	**0.9**	--	**1.1**	ND	0.16	**1.4**	**3.5**	**1.5**	**3.5**
Naphthalene	**12**	**100**	**500**	**1000**	ND	0.042 J	--	0.043 J	0.17 J	--	0.5	ND	0.028 J	0.078 J	0.15 J	0.28 J	2.1
Phenanthrene	**100**	**100**	**500**	**1000**	ND	0.083 J	--	0.11 J	1.9	--	3	0.025 J	0.37	2.1	2.4	3.6	14
Pyrene	**100**	**100**	**500**	**1000**	ND	0.11 J	--	0.27	2.2	--	2.6	ND	0.5	3.4	6.8	3.6	9.5
Total PCBs - mg/Kg [4]																	
Aroclor 1254	**--**	**--**	**--**	**--**	ND	--	0.0334 J	ND	ND	--	11.8	0.0549	--	0.0994	0.0869	38.1	26.8
Aroclor 1260	**--**	**--**	**--**	**--**	ND	--	ND	ND	ND	--	ND	ND	--	ND	0.026 J	ND	ND
Total PCBs	**0.1**	**1**	**1**	**25**	ND	--	0.0334 J	ND	ND	--	**11.8**	0.0549	--	0.0994	**0.113 J**	**38.1**	**26.8**
Total Metals - mg/Kg																	
Arsenic	**13**	**16**	**16**	**16**	2.95	5.32	--	6.31	2.51	--	10	--	12.1	8.34	3.67	**40.3**	4.1
Barium	**350**	**400**	**400**	**10000**	115	81.1	--	97.1	85.4	--	298	--	119	268	53.2	106	52.3
Cadmium	**2.5**	**4.3**	**9.3**	**60**	0.6	0.705	--	0.968	0.428 J	--	1.45	--	0.833	1.36	0.546	**11.5**	0.732
Chromium	**30**	**180**	**1500**	**6800**	17.4	11.8	--	17.8	13.9	--	**30.8**	--	11.9	**58.9**	22.6	**18600**	8.26
Lead	**63**	**400**	**1000**	**3900**	10.6	33	--	**300**	39.7	--	**128**	--	**118**	**350**	**251**	**473**	39.6
Mercury	**0.18**	**0.81**	**2.8**	**5.7**	0.099	ND	--	**0.648**	ND	--	**0.204**	--	0.164	0.143	ND	**1.28**	0.091
Selenium	**30**	**180**	**1500**	**10000**	0.167 J	0.552 J	--	0.661 J	0.219 J	--	0.328 J	--	0.522 J	0.373 J	0.109 J	2.64 J	ND
Silver	**2**	**180**	**1500**	**6800**	ND	ND	--	ND	ND	--	0.254 J	--	ND	0.51	ND	**2.28**	ND

Notes:
1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per 6NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs), Table 375-6.8(a).
3. Values per 6NYCRR Part 375 Restricted Residential Use Soil Cleanup Objectives (SCOs), Table 375-6.8(b).
4. Sample results were reported by the laboratory in ug/kg and converted to mg/kg for comparisons to SCOs.

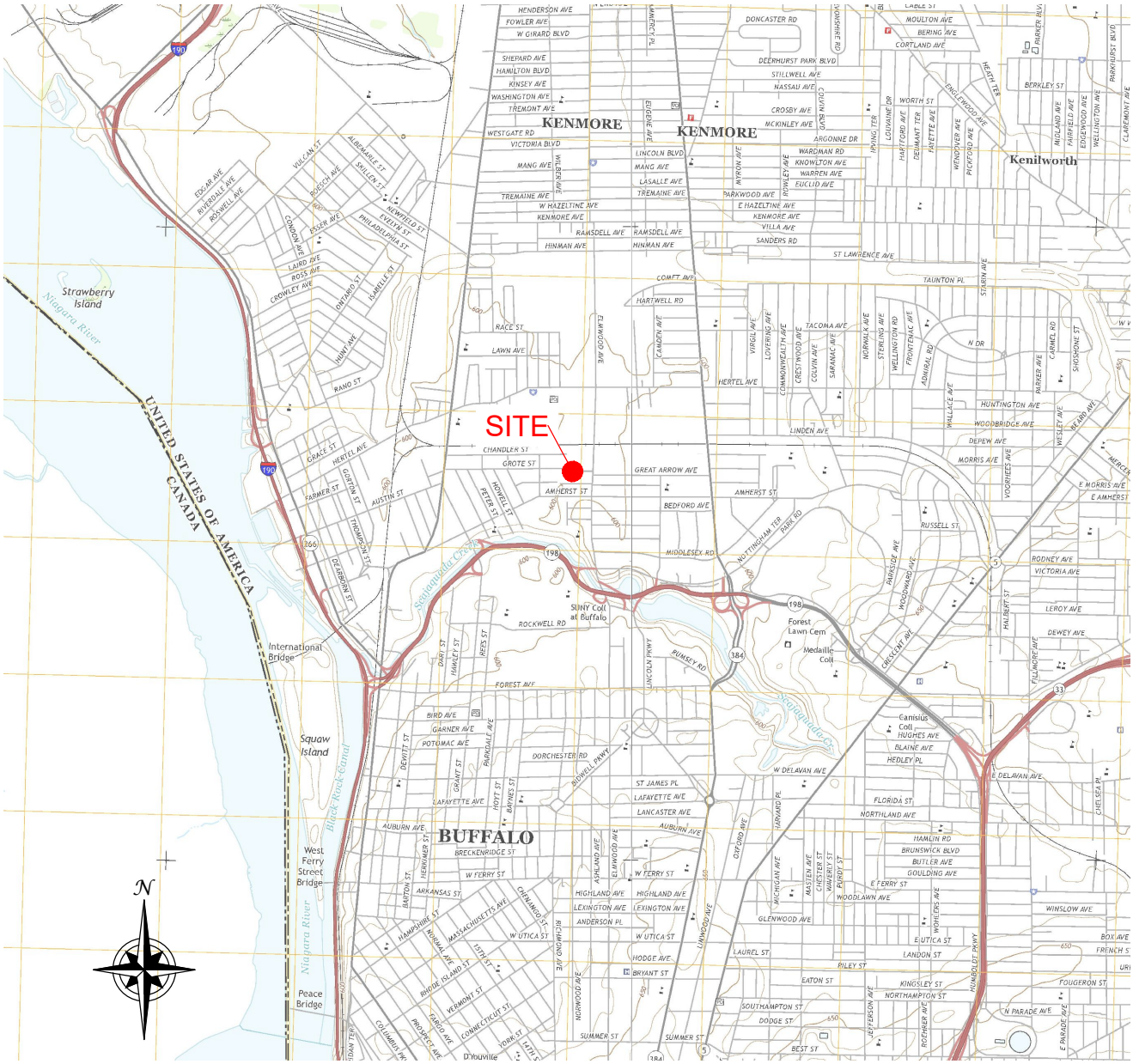
Definitions:
ND = Parameter not detected above laboratory detection limit.
"--" = No value available for the parameter, or the parameter was not analyzed for.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
D = Compounds were identified in an analysis at the secondary dilution factor.

BOLD	= Exceeds USCOs
BOLD	= Exceeds RRSCOs
BOLD	= Exceeds CSCOs
BOLD	= Exceeds ISCOs

FIGURES

F:\CAD\Benchmark\McGuire Development\315 Grote Street\02-Phase II\Figure 1; Site Location and Vicinity Map.dwg, 10/15/2020 3:22:53 PM

FIGURE 1



4,000' 0' 4,000' 8,000'

SCALE: 1 INCH = 4,000 FEET
SCALE IN FEET
(approximate)

BASE MAP PER BUFFALO, NEW YORK USGS QUADRANGLE, 2016

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0599

PROJECT NO.: B0549-020-002

DATE: OCTOBER 2020

DRAFTED BY: CCB

SITE LOCATION & VICINITY MAP

PHASE II SITE INVESTIGATION REPORT

315 GROTE STREET
BUFFALO, NEW YORK

PREPARED FOR

MCGUIRE DEVELOPMENT COMPANY

F:\CAD\Benchmark\McGuire Development\315 Grote Street\02- Phase II\Figure 2; Site Plan (Aerial) and Investigation Locations.dwg, 11/6/2020 2:54:37 PM

LEGEND:

PROPERTY BOUNDARY

PARCEL BOUNDARY

SB-1 SOIL BORING

TP-1 TEST PIT

NOTES:
1. IMAGE TAKEN FROM GOOGLE EARTH 2017

GROTE STREET

SB-8

SB-10

SB-11

TP-5

SB-12

APPROXIMATE LOCATION OF UNDERGROUND STORAGE TANK

OVERHEAD WALK

COURTYARD

TP-4

GARAGE ADDITION

TP-2

SB-14

SB-7

SB-15

SB-6

SB-5

TP-1

SB-2

SB-3

SB-1

SB-13

SB-9

TP-3

BOILER ROOM

SB-4

20' 0' 20' 40'

SCALE: 1 INCH = 20 FEET
SCALE IN FEET
(approximate)

N

DATE: NOVEMER 2020
DRAFTED BY: CNK

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0599

JOB NO.: B0549-020-003

SITE PLAN (AERIAL) AND INVESTIGATION LOCATIONS

PHASE II SITE INVESTIGATION REPORT

315 GROTE STREET
BUFFALO, NEW YORK

PREPARED FOR
MCGUIRE DEVELOPMENT COMPANY

FIGURE 2

ATTACHMENT 1

PHOTOGRAPHS

PHOTOGRAPHS

Photo 1:

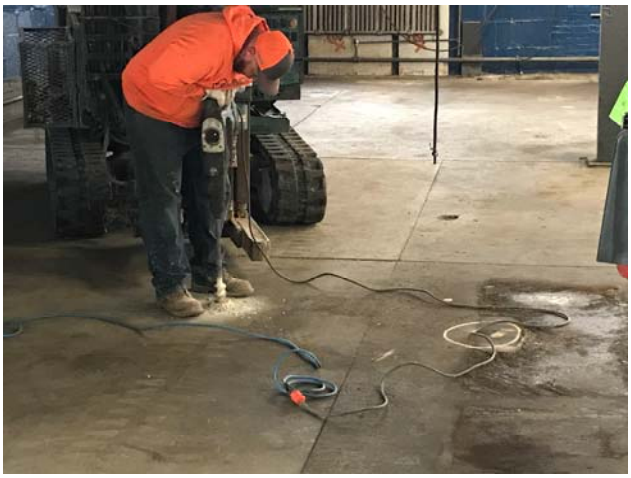


Photo 2:

Photo 3:

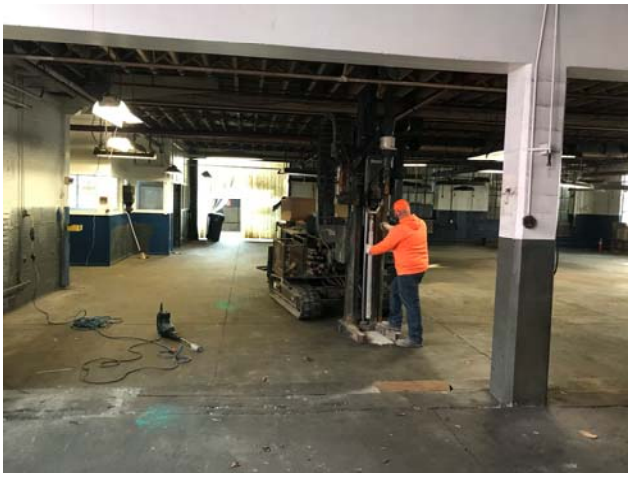


Photo 4:

Photo 1: View of SB-1 concrete drilling inside eastern portion of the building looking south.

Photo 2: Typical gray clay fill material encountered beneath the building (SB-1).

Photo 3: View of SB-2 soil boring advancement inside the building looking east.

Photo 4: Typical native red brown clay encountered at the Site (SB-2).

PHOTOGRAPHS

Photo 5:

Photo 6:

Photo 7:

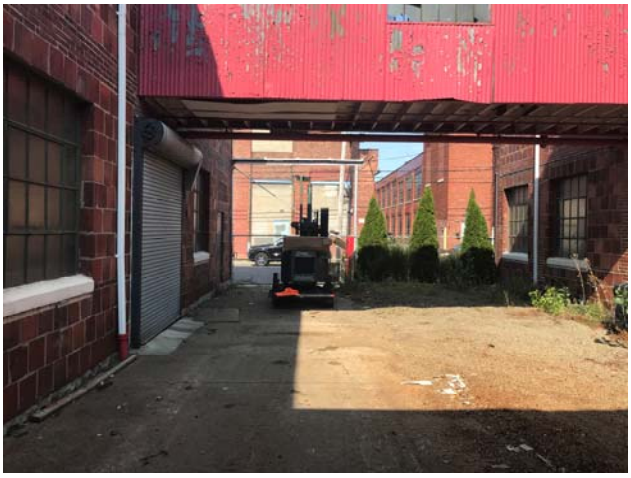


Photo 8:

Photo 5: View of SB-5 inside the building looking southwest.

Photo 6: View of SB-6 inside the building looking northwest.

Photo 7: View of SB-10 in exterior courtyard west of the UST looking north.

Photo 8: View of SB-11 in exterior courtyard in vicinity of UST looking east.

PHOTOGRAPHS

Photo 9:

Photo 10:

Photo 11:

Photo 12:

Photo 9: View of TP-1 in parking lot, fill material encountered from 0.5 to 2 fbgs, looking west.

Photo 10: View of TP-2 spoils in parking lot, fill material encountered from 1.5 to 6 fbgs.

Photo 11: View of TP-4 in courtyard area, fill material to approximately 2 fbgs, looking south.

Photo 12: View of TP-5 uncovering UST in courtyard looking south.

ATTACHMENT 2

ANALYTICAL REPORTS

ANALYTICAL REPORT

Lab Number:	L2042746
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Chris Boron
Phone:	(716) 856-0599
Project Name:	315 GROTE ST
Project Number:	B0549-020-003
Report Date:	10/19/20

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

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

Project Name: 315 GROTE ST
Project Number: B0549-020-003

Lab Number: L2042746
Report Date: 10/19/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2042746-01	SB-1 0.5-2.0	SOIL	BUFFALO, NY	10/06/20 09:00	10/07/20
L2042746-02	SB-2 0.5-2.0	SOIL	BUFFALO, NY	10/06/20 09:45	10/07/20
L2042746-03	SB-3 0.7-2.0	SOIL	BUFFALO, NY	10/06/20 11:00	10/07/20
L2042746-04	SB-6 0.3-2.0	SOIL	BUFFALO, NY	10/06/20 13:15	10/07/20
L2042746-05	SB-7 0.3-2.0	SOIL	BUFFALO, NY	10/06/20 12:30	10/07/20
L2042746-06	SB-10 8-12	SOIL	BUFFALO, NY	10/06/20 14:00	10/07/20
L2042746-07	SB-11 0.0-3.5	SOIL	BUFFALO, NY	10/06/20 14:45	10/07/20
L2042746-08	SB-12 6-8	SOIL	BUFFALO, NY	10/06/20 15:15	10/07/20
L2042746-09	SB-15 0.5-3.5	SOIL	BUFFALO, NY	10/06/20 15:45	10/07/20

Project Name:	315 GROTE ST	**Lab Number:**	L2042746
Project Number:	B0549-020-003	**Report Date:**	10/19/20

Case Narrative

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

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

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

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

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

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

Project Name:	315 GROTE ST	**Lab Number:**	L2042746
Project Number:	B0549-020-003	**Report Date:**	10/19/20

Case Narrative (continued)

Report Revision

October 19, 2020: This report includes the results of the PCB analysis performed on L2042746-08.

Report Submission

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

Volatile Organics

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

Report Submission

PCBs

L2042746-07: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Total Metals

The WG1420250-3 MS recovery, performed on L2042746-01, is outside the acceptance criteria for lead (74%). A post digestion spike was performed and yielded an unacceptable recovery of 67%. The serial dilution recovery was not acceptable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

The WG1420250-4 Laboratory Duplicate RPDs for arsenic (21%) and barium (32%), performed on L2042746-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

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

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 10/19/20

ORGANICS

VOLATILES

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-01
Client ID: SB-1 0.5-2.0
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 09:00
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/13/20 09:47
Analyst: MV
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.3	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.18	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	ND		ug/kg	0.63	0.25	1
Chlorobenzene	ND		ug/kg	0.63	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.88	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.63	0.21	1
Bromodichloromethane	ND		ug/kg	0.63	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.63	0.20	1
Bromoform	ND		ug/kg	5.0	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.63	0.21	1
Benzene	ND		ug/kg	0.63	0.21	1
Toluene	ND		ug/kg	1.3	0.69	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.0	1.2	1
Bromomethane	ND		ug/kg	2.5	0.73	1
Vinyl chloride	ND		ug/kg	1.3	0.42	1
Chloroethane	ND		ug/kg	2.5	0.57	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1
Trichloroethene	ND		ug/kg	0.63	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-01
Client ID: SB-1 0.5-2.0
Sample Location: BUFFALO, NY
Date Collected: 10/06/20 09:00
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.71	1
o-Xylene	ND		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	53		ug/kg	13	6.1	1
Carbon disulfide	ND		ug/kg	13	5.7	1
2-Butanone	5.2	J	ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.5	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.35	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.3	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.41	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
Methyl Acetate	ND		ug/kg	5.0	1.2	1
Cyclohexane	ND		ug/kg	13	0.69	1
1,4-Dioxane	ND		ug/kg	100	44.	1
Freon-113	ND		ug/kg	5.0	0.88	1
Methyl cyclohexane	ND		ug/kg	5.0	0.76	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	94		70-130

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-04
Client ID: SB-6 0.3-2.0
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 13:15
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/13/20 10:12
Analyst: MV
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.9	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.82	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.19	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.20	1
Benzene	ND		ug/kg	0.59	0.20	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.4	0.69	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1
Trichloroethene	ND		ug/kg	0.59	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-04
Client ID: SB-6 0.3-2.0
Sample Location: BUFFALO, NY
Date Collected: 10/06/20 13:15
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	63		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	7.5	J	ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
Methyl Acetate	ND		ug/kg	4.7	1.1	1
Cyclohexane	ND		ug/kg	12	0.64	1
1,4-Dioxane	ND		ug/kg	95	42.	1
Freon-113	ND		ug/kg	4.7	0.82	1
Methyl cyclohexane	ND		ug/kg	4.7	0.72	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	93		70-130

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-06
Client ID: SB-10 8-12
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 14:00
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/13/20 10:36
Analyst: MV
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.55	0.22	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-06
Client ID: SB-10 8-12
Sample Location: BUFFALO, NY
Date Collected: 10/06/20 14:00
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
Methyl Acetate	ND		ug/kg	4.4	1.0	1
Cyclohexane	ND		ug/kg	11	0.60	1
1,4-Dioxane	ND		ug/kg	88	38.	1
Freon-113	ND		ug/kg	4.4	0.76	1
Methyl cyclohexane	ND		ug/kg	4.4	0.66	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	93		70-130

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-08
Client ID: SB-12 6-8
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 15:15
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/13/20 11:01
Analyst: MV
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.6	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.78	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.19	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.5	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.18	1
Benzene	ND		ug/kg	0.56	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.2	0.65	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1
Trichloroethene	ND		ug/kg	0.56	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-08
Client ID: SB-12 6-8
Sample Location: BUFFALO, NY
Date Collected: 10/06/20 15:15
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	40		ug/kg	11	5.4	1
Carbon disulfide	ND		ug/kg	11	5.1	1
2-Butanone	3.4	J	ug/kg	11	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
Methyl Acetate	ND		ug/kg	4.5	1.0	1
Cyclohexane	ND		ug/kg	11	0.61	1
1,4-Dioxane	ND		ug/kg	89	39.	1
Freon-113	ND		ug/kg	4.5	0.77	1
Methyl cyclohexane	ND		ug/kg	4.5	0.67	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/13/20 06:55
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,04,06,08 Batch: WG1421395-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/13/20 06:55
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,04,06,08 Batch: WG1421395-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/13/20 06:55
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,04,06,08 Batch: WG1421395-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	89		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 315 GROTE ST

Project Number: B0549-020-003

Lab Number: L2042746

Report Date: 10/19/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04,06,08 Batch: WG1421395-3 WG1421395-4								
Methylene chloride	79		79		70-130	0		30
1,1-Dichloroethane	87		86		70-130	1		30
Chloroform	86		86		70-130	0		30
Carbon tetrachloride	100		98		70-130	2		30
1,2-Dichloropropane	91		92		70-130	1		30
Dibromochloromethane	99		103		70-130	4		30
1,1,2-Trichloroethane	95		97		70-130	2		30
Tetrachloroethene	124		121		70-130	2		30
Chlorobenzene	98		97		70-130	1		30
Trichlorofluoromethane	108		106		70-139	2		30
1,2-Dichloroethane	80		81		70-130	1		30
1,1,1-Trichloroethane	97		95		70-130	2		30
Bromodichloromethane	91		93		70-130	2		30
trans-1,3-Dichloropropene	100		103		70-130	3		30
cis-1,3-Dichloropropene	97		99		70-130	2		30
Bromoform	105		109		70-130	4		30
1,1,2,2-Tetrachloroethane	87		91		70-130	4		30
Benzene	93		93		70-130	0		30
Toluene	96		94		70-130	2		30
Ethylbenzene	105		103		70-130	2		30
Chloromethane	76		72		52-130	5		30
Bromomethane	102		98		57-147	4		30
Vinyl chloride	93		89		67-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 315 GROTE ST

Project Number: B0549-020-003

Lab Number: L2042746

Report Date: 10/19/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04,06,08 Batch: WG1421395-3 WG1421395-4								
Chloroethane	89		86		50-151	3		30
1,1-Dichloroethene	103		99		65-135	4		30
trans-1,2-Dichloroethene	96		94		70-130	2		30
Trichloroethene	101		99		70-130	2		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	102		102		70-130	0		30
1,4-Dichlorobenzene	101		100		70-130	1		30
Methyl tert butyl ether	84		86		66-130	2		30
p/m-Xylene	112		110		70-130	2		30
o-Xylene	114		114		70-130	0		30
cis-1,2-Dichloroethene	94		94		70-130	0		30
Styrene	112		112		70-130	0		30
Dichlorodifluoromethane	77		74		30-146	4		30
Acetone	73		75		54-140	3		30
Carbon disulfide	87		84		59-130	4		30
2-Butanone	78		79		70-130	1		30
4-Methyl-2-pentanone	94		96		70-130	2		30
2-Hexanone	83		84		70-130	1		30
Bromochloromethane	93		94		70-130	1		30
1,2-Dibromoethane	93		96		70-130	3		30
1,2-Dibromo-3-chloropropane	102		106		68-130	4		30
Isopropylbenzene	112		109		70-130	3		30
1,2,3-Trichlorobenzene	99		101		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 315 GROTE ST

Project Number: B0549-020-003

Lab Number: L2042746

Report Date: 10/19/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04,06,08 Batch: WG1421395-3 WG1421395-4								
1,2,4-Trichlorobenzene	108		107		70-130	1		30
Methyl Acetate	73		76		51-146	4		30
Cyclohexane	102		100		59-142	2		30
1,4-Dioxane	119		113		65-136	5		30
Freon-113	106		102		50-139	4		30
Methyl cyclohexane	109		106		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		87		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	91		91		70-130

SEMIVOLATILES

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-01
Client ID: SB-1 0.5-2.0
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 09:00
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/13/20 23:43
Analyst: IM
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 10/09/20 04:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
Fluoranthene	ND		ug/kg	130	25.	1
Naphthalene	ND		ug/kg	220	26.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	53.	1
Benzo(b)fluoranthene	ND		ug/kg	130	36.	1
Benzo(k)fluoranthene	ND		ug/kg	130	35.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	34.	1
Anthracene	ND		ug/kg	130	42.	1
Benzo(ghi)perylene	ND		ug/kg	170	26.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	30.	1
Pyrene	ND		ug/kg	130	22.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	61		30-120
4-Terphenyl-d14	57		18-120

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-02
Client ID: SB-2 0.5-2.0
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 09:45
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/14/20 01:57
Analyst: IM
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 10/09/20 04:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
Fluoranthene	120	J	ug/kg	130	25.	1
Naphthalene	42	J	ug/kg	220	26.	1
Benzo(a)anthracene	87	J	ug/kg	130	24.	1
Benzo(a)pyrene	140	J	ug/kg	170	53.	1
Benzo(b)fluoranthene	160		ug/kg	130	36.	1
Benzo(k)fluoranthene	46	J	ug/kg	130	35.	1
Chrysene	100	J	ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	42.	1
Benzo(ghi)perylene	98	J	ug/kg	170	25.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	83	J	ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	93	J	ug/kg	170	30.	1
Pyrene	110	J	ug/kg	130	22.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	68		30-120
4-Terphenyl-d14	70		18-120

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-04
Client ID: SB-6 0.3-2.0
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 13:15
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/14/20 03:48
Analyst: IM
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 10/09/20 04:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
Fluoranthene	300		ug/kg	130	24.	1
Naphthalene	43	J	ug/kg	210	26.	1
Benzo(a)anthracene	160		ug/kg	130	24.	1
Benzo(a)pyrene	150	J	ug/kg	170	52.	1
Benzo(b)fluoranthene	200		ug/kg	130	36.	1
Benzo(k)fluoranthene	80	J	ug/kg	130	34.	1
Chrysene	150		ug/kg	130	22.	1
Acenaphthylene	44	J	ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	42.	1
Benzo(ghi)perylene	97	J	ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	21.	1
Phenanthrene	110	J	ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	98	J	ug/kg	170	30.	1
Pyrene	270		ug/kg	130	21.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	70		30-120
4-Terphenyl-d14	71		18-120

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-05
Client ID: SB-7 0.3-2.0
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 12:30
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/14/20 04:10
Analyst: IM
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 10/09/20 04:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	86	J	ug/kg	160	21.	1
Fluoranthene	2600		ug/kg	120	24.	1
Naphthalene	170	J	ug/kg	200	25.	1
Benzo(a)anthracene	1400		ug/kg	120	23.	1
Benzo(a)pyrene	1400		ug/kg	160	50.	1
Benzo(b)fluoranthene	1900		ug/kg	120	34.	1
Benzo(k)fluoranthene	480		ug/kg	120	33.	1
Chrysene	1300		ug/kg	120	21.	1
Acenaphthylene	220		ug/kg	160	32.	1
Anthracene	440		ug/kg	120	40.	1
Benzo(ghi)perylene	890		ug/kg	160	24.	1
Fluorene	170	J	ug/kg	200	20.	1
Phenanthrene	1900		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	210		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	900		ug/kg	160	29.	1
Pyrene	2200		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	66		30-120
4-Terphenyl-d14	70		18-120

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-07
Client ID: SB-11 0.0-3.5
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 14:45
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/12/20 16:59
Analyst: WR
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 10/09/20 05:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	310		ug/kg	150	20.	1
Fluoranthene	3200		ug/kg	110	22.	1
Naphthalene	500		ug/kg	190	23.	1
Benzo(a)anthracene	1500		ug/kg	110	21.	1
Benzo(a)pyrene	1600		ug/kg	150	46.	1
Benzo(b)fluoranthene	1900		ug/kg	110	32.	1
Benzo(k)fluoranthene	760		ug/kg	110	30.	1
Chrysene	1500		ug/kg	110	20.	1
Acenaphthylene	59	J	ug/kg	150	29.	1
Anthracene	820		ug/kg	110	37.	1
Benzo(ghi)perylene	960		ug/kg	150	22.	1
Fluorene	350		ug/kg	190	18.	1
Phenanthrene	3000		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	240		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	1100		ug/kg	150	26.	1
Pyrene	2600		ug/kg	110	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	78		30-120
4-Terphenyl-d14	80		18-120

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-08
Client ID: SB-12 6-8
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 15:15
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/11/20 10:24
Analyst: EK
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 10/10/20 00:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Fluoranthene	ND		ug/kg	120	22.	1
Naphthalene	ND		ug/kg	190	24.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	25	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	ND		ug/kg	120	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	73		30-120
4-Terphenyl-d14	65		18-120

Project Name: 315 GROTE ST
Project Number: B0549-020-003

Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-09
Client ID: SB-15 0.5-3.5
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 15:45
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/10/20 06:24
Analyst: EK
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 10/09/20 05:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	33	J	ug/kg	160	20.	1
Fluoranthene	610		ug/kg	120	23.	1
Naphthalene	28	J	ug/kg	200	24.	1
Benzo(a)anthracene	260		ug/kg	120	22.	1
Benzo(a)pyrene	300		ug/kg	160	48.	1
Benzo(b)fluoranthene	400		ug/kg	120	33.	1
Benzo(k)fluoranthene	120		ug/kg	120	32.	1
Chrysene	250		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	73	J	ug/kg	120	38.	1
Benzo(ghi)perylene	140	J	ug/kg	160	23.	1
Fluorene	32	J	ug/kg	200	19.	1
Phenanthrene	370		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	35	J	ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	160		ug/kg	160	28.	1
Pyrene	500		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	80		30-120
4-Terphenyl-d14	69		18-120

Project Name: 315 GROTE ST
Project Number: B0549-020-003

Lab Number: L2042746
Report Date: 10/19/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/08/20 09:20
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 10/08/20 04:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04-05 Batch: WG1419583-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	99	19.
Naphthalene	ND		ug/kg	160	20.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	67		10-136
4-Terphenyl-d14	83		18-120

Project Name: 315 GROTE ST
Project Number: B0549-020-003

Lab Number: L2042746
Report Date: 10/19/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/09/20 20:42
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 10/09/20 05:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07,09 Batch: WG1420080-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	30	J	ug/kg	98	19.
Naphthalene	ND		ug/kg	160	20.
Benzo(a)anthracene	24	J	ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	22	J	ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	30	J	ug/kg	98	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	88		30-120
4-Terphenyl-d14	94		18-120

Project Name: 315 GROTE ST
Project Number: B0549-020-003

Lab Number: L2042746
Report Date: 10/19/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/11/20 06:54
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 10/10/20 00:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1420499-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	98	19.
Naphthalene	ND		ug/kg	160	20.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	79		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 315 GROTE ST
Project Number: B0549-020-003

Lab Number: L2042746
Report Date: 10/19/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-05 Batch: WG1419583-2 WG1419583-3								
Acenaphthene	79		64		31-137	21		50
Fluoranthene	77		61		40-140	23		50
Naphthalene	70		61		40-140	14		50
Benzo(a)anthracene	78		63		40-140	21		50
Benzo(a)pyrene	81		62		40-140	27		50
Benzo(b)fluoranthene	84		66		40-140	24		50
Benzo(k)fluoranthene	79		60		40-140	27		50
Chrysene	78		62		40-140	23		50
Acenaphthylene	83		68		40-140	20		50
Anthracene	81		65		40-140	22		50
Benzo(ghi)perylene	82		64		40-140	25		50
Fluorene	78		62		40-140	23		50
Phenanthrene	78		62		40-140	23		50
Dibenzo(a,h)anthracene	80		63		40-140	24		50
Indeno(1,2,3-cd)pyrene	82		66		40-140	22		50
Pyrene	80		63		35-142	24		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 315 GROTE ST

Project Number: B0549-020-003

Lab Number: L2042746

Report Date: 10/19/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-05 Batch: WG1419583-2 WG1419583-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		71		25-120
Phenol-d6	84		72		10-120
Nitrobenzene-d5	83		72		23-120
2-Fluorobiphenyl	81		68		30-120
2,4,6-Tribromophenol	80		63		10-136
4-Terphenyl-d14	84		67		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 315 GROTE ST
Project Number: B0549-020-003

Lab Number: L2042746
Report Date: 10/19/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG1420080-2 WG1420080-3								
Acenaphthene	81		80		31-137	1		50
Fluoranthene	84		88		40-140	5		50
Naphthalene	78		78		40-140	0		50
Benzo(a)anthracene	80		82		40-140	2		50
Benzo(a)pyrene	92		93		40-140	1		50
Benzo(b)fluoranthene	92		94		40-140	2		50
Benzo(k)fluoranthene	82		84		40-140	2		50
Chrysene	80		80		40-140	0		50
Acenaphthylene	88		90		40-140	2		50
Anthracene	81		84		40-140	4		50
Benzo(ghi)perylene	87		89		40-140	2		50
Fluorene	86		87		40-140	1		50
Phenanthrene	80		81		40-140	1		50
Dibenzo(a,h)anthracene	86		87		40-140	1		50
Indeno(1,2,3-cd)pyrene	94		93		40-140	1		50
Pyrene	84		85		35-142	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	90		90		23-120
2-Fluorobiphenyl	88		87		30-120
4-Terphenyl-d14	86		85		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 315 GROTE ST
Project Number: B0549-020-003

Lab Number: L2042746
Report Date: 10/19/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1420499-2 WG1420499-3								
Acenaphthene	72		74		31-137	3		50
Fluoranthene	79		79		40-140	0		50
Naphthalene	68		73		40-140	7		50
Benzo(a)anthracene	70		72		40-140	3		50
Benzo(a)pyrene	83		84		40-140	1		50
Benzo(b)fluoranthene	82		85		40-140	4		50
Benzo(k)fluoranthene	74		75		40-140	1		50
Chrysene	71		72		40-140	1		50
Acenaphthylene	81		81		40-140	0		50
Anthracene	76		75		40-140	1		50
Benzo(ghi)perylene	77		78		40-140	1		50
Fluorene	77		78		40-140	1		50
Phenanthrene	78		76		40-140	3		50
Dibenzo(a,h)anthracene	80		78		40-140	3		50
Indeno(1,2,3-cd)pyrene	82		84		40-140	2		50
Pyrene	79		79		35-142	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 315 GROTE ST

Project Number: B0549-020-003

Lab Number: L2042746

Report Date: 10/19/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1420499-2 WG1420499-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	76		80		25-120
Phenol-d6	81		82		10-120
Nitrobenzene-d5	80		81		23-120
2-Fluorobiphenyl	78		79		30-120
2,4,6-Tribromophenol	89		89		10-136
4-Terphenyl-d14	77		79		18-120

PCBS

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-01
Client ID: SB-1 0.5-2.0
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 09:00
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/09/20 16:45
Analyst: HT
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 10/09/20 01:02
Cleanup Method: EPA 3665A
Cleanup Date: 10/09/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/09/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.6	3.70	1	A
Aroclor 1221	ND		ug/kg	41.6	4.17	1	A
Aroclor 1232	ND		ug/kg	41.6	8.82	1	A
Aroclor 1242	ND		ug/kg	41.6	5.61	1	A
Aroclor 1248	ND		ug/kg	41.6	6.24	1	A
Aroclor 1254	ND		ug/kg	41.6	4.55	1	A
Aroclor 1260	ND		ug/kg	41.6	7.69	1	A
Aroclor 1262	ND		ug/kg	41.6	5.28	1	A
Aroclor 1268	ND		ug/kg	41.6	4.31	1	A
PCBs, Total	ND		ug/kg	41.6	3.70	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-03
Client ID: SB-3 0.7-2.0
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 11:00
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/09/20 23:21
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 10/09/20 01:02
Cleanup Method: EPA 3665A
Cleanup Date: 10/09/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/09/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.9	3.10	1	A
Aroclor 1221	ND		ug/kg	34.9	3.49	1	A
Aroclor 1232	ND		ug/kg	34.9	7.39	1	A
Aroclor 1242	ND		ug/kg	34.9	4.70	1	A
Aroclor 1248	ND		ug/kg	34.9	5.23	1	A
Aroclor 1254	33.4	J	ug/kg	34.9	3.82	1	B
Aroclor 1260	ND		ug/kg	34.9	6.44	1	A
Aroclor 1262	ND		ug/kg	34.9	4.43	1	A
Aroclor 1268	ND		ug/kg	34.9	3.61	1	A
PCBs, Total	33.4	J	ug/kg	34.9	3.10	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-04
Client ID: SB-6 0.3-2.0
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 13:15
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/09/20 23:28
Analyst: HT
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 10/09/20 01:02
Cleanup Method: EPA 3665A
Cleanup Date: 10/09/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/09/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.6	3.70	1	A
Aroclor 1221	ND		ug/kg	41.6	4.17	1	A
Aroclor 1232	ND		ug/kg	41.6	8.83	1	A
Aroclor 1242	ND		ug/kg	41.6	5.61	1	A
Aroclor 1248	ND		ug/kg	41.6	6.25	1	A
Aroclor 1254	ND		ug/kg	41.6	4.56	1	A
Aroclor 1260	ND		ug/kg	41.6	7.70	1	A
Aroclor 1262	ND		ug/kg	41.6	5.29	1	A
Aroclor 1268	ND		ug/kg	41.6	4.31	1	A
PCBs, Total	ND		ug/kg	41.6	3.70	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-05
Client ID: SB-7 0.3-2.0
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 12:30
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/09/20 23:34
Analyst: HT
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 10/09/20 01:02
Cleanup Method: EPA 3665A
Cleanup Date: 10/09/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/09/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.2	3.48	1	A
Aroclor 1221	ND		ug/kg	39.2	3.92	1	A
Aroclor 1232	ND		ug/kg	39.2	8.30	1	A
Aroclor 1242	ND		ug/kg	39.2	5.28	1	A
Aroclor 1248	ND		ug/kg	39.2	5.87	1	A
Aroclor 1254	ND		ug/kg	39.2	4.28	1	A
Aroclor 1260	ND		ug/kg	39.2	7.24	1	A
Aroclor 1262	ND		ug/kg	39.2	4.97	1	A
Aroclor 1268	ND		ug/kg	39.2	4.06	1	A
PCBs, Total	ND		ug/kg	39.2	3.48	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-07 D
Client ID: SB-11 0.0-3.5
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 14:45
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/09/20 21:58
Analyst: HT
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 10/09/20 01:02
Cleanup Method: EPA 3665A
Cleanup Date: 10/09/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/09/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	3780	336.	100	A
Aroclor 1221	ND		ug/kg	3780	379.	100	A
Aroclor 1232	ND		ug/kg	3780	802.	100	A
Aroclor 1242	ND		ug/kg	3780	510.	100	A
Aroclor 1248	ND		ug/kg	3780	568.	100	A
Aroclor 1254	11800		ug/kg	3780	414.	100	A
Aroclor 1260	ND		ug/kg	3780	699.	100	A
Aroclor 1262	ND		ug/kg	3780	480.	100	A
Aroclor 1268	ND		ug/kg	3780	392.	100	A
PCBs, Total	11800		ug/kg	3780	336.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-08
Client ID: SB-12 6-8
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 15:15
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/17/20 12:22
Analyst: CW
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 10/16/20 13:49
Cleanup Method: EPA 3665A
Cleanup Date: 10/16/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/16/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.6	3.42	1	A
Aroclor 1221	ND		ug/kg	38.6	3.86	1	A
Aroclor 1232	ND		ug/kg	38.6	8.17	1	A
Aroclor 1242	ND		ug/kg	38.6	5.20	1	A
Aroclor 1248	ND		ug/kg	38.6	5.78	1	A
Aroclor 1254	54.9		ug/kg	38.6	4.22	1	A
Aroclor 1260	ND		ug/kg	38.6	7.12	1	A
Aroclor 1262	ND		ug/kg	38.6	4.90	1	A
Aroclor 1268	ND		ug/kg	38.6	3.99	1	A
PCBs, Total	54.9		ug/kg	38.6	3.42	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	37		30-150	B

Project Name: 315 GROTE ST
Project Number: B0549-020-003

Lab Number: L2042746
Report Date: 10/19/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/09/20 09:15
Analyst: JM

Extraction Method: EPA 3546
Extraction Date: 10/09/20 00:29
Cleanup Method: EPA 3665A
Cleanup Date: 10/09/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/09/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,03-05,07 Batch: WG1420025-1						
Aroclor 1016	ND		ug/kg	31.8	2.83	A
Aroclor 1221	ND		ug/kg	31.8	3.19	A
Aroclor 1232	ND		ug/kg	31.8	6.75	A
Aroclor 1242	ND		ug/kg	31.8	4.29	A
Aroclor 1248	ND		ug/kg	31.8	4.77	A
Aroclor 1254	ND		ug/kg	31.8	3.48	A
Aroclor 1260	ND		ug/kg	31.8	5.88	A
Aroclor 1262	ND		ug/kg	31.8	4.04	A
Aroclor 1268	ND		ug/kg	31.8	3.30	A
PCBs, Total	ND		ug/kg	31.8	2.83	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: 315 GROTE ST
Project Number: B0549-020-003

Lab Number: L2042746
Report Date: 10/19/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/16/20 03:16
Analyst: JM

Extraction Method: EPA 3546
Extraction Date: 10/15/20 19:38
Cleanup Method: EPA 3665A
Cleanup Date: 10/16/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/16/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 08 Batch: WG1422678-1						
Aroclor 1016	ND		ug/kg	33.0	2.93	A
Aroclor 1221	ND		ug/kg	33.0	3.31	A
Aroclor 1232	ND		ug/kg	33.0	7.00	A
Aroclor 1242	ND		ug/kg	33.0	4.45	A
Aroclor 1248	ND		ug/kg	33.0	4.96	A
Aroclor 1254	ND		ug/kg	33.0	3.62	A
Aroclor 1260	ND		ug/kg	33.0	6.11	A
Aroclor 1262	ND		ug/kg	33.0	4.20	A
Aroclor 1268	ND		ug/kg	33.0	3.42	A
PCBs, Total	ND		ug/kg	33.0	2.93	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	73		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 315 GROTE ST

Project Number: B0549-020-003

Lab Number: L2042746

Report Date: 10/19/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03-05,07 Batch: WG1420025-2 WG1420025-3									
Aroclor 1016	65		67		40-140	3		50	A
Aroclor 1260	62		65		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		70		30-150	A
Decachlorobiphenyl	79		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		79		30-150	B
Decachlorobiphenyl	89		90		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 315 GROTE ST

Project Number: B0549-020-003

Lab Number: L2042746

Report Date: 10/19/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 08 Batch: WG1422678-2 WG1422678-3									
Aroclor 1016	80		85		40-140	6		50	A
Aroclor 1260	74		79		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		70		30-150	A
Decachlorobiphenyl	62		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		83		30-150	B
Decachlorobiphenyl	73		77		30-150	B

METALS

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-01
Client ID: SB-1 0.5-2.0
Sample Location: BUFFALO, NY
Date Collected: 10/06/20 09:00
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	2.95		mg/kg	0.522	0.108	1	10/10/20 10:40	10/14/20 00:59	EPA 3050B	1,6010D	BV
Barium, Total	115		mg/kg	0.522	0.091	1	10/10/20 10:40	10/14/20 00:59	EPA 3050B	1,6010D	BV
Cadmium, Total	0.600		mg/kg	0.522	0.051	1	10/10/20 10:40	10/14/20 00:59	EPA 3050B	1,6010D	BV
Chromium, Total	17.4		mg/kg	0.522	0.050	1	10/10/20 10:40	10/14/20 00:59	EPA 3050B	1,6010D	BV
Lead, Total	10.6		mg/kg	2.61	0.140	1	10/10/20 10:40	10/14/20 00:59	EPA 3050B	1,6010D	BV
Mercury, Total	0.099		mg/kg	0.083	0.054	1	10/10/20 12:30	10/12/20 11:55	EPA 7471B	1,7471B	EW
Selenium, Total	0.167	J	mg/kg	1.04	0.135	1	10/10/20 10:40	10/14/20 00:59	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.522	0.148	1	10/10/20 10:40	10/14/20 00:59	EPA 3050B	1,6010D	BV

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-02
Client ID: SB-2 0.5-2.0
Sample Location: BUFFALO, NY
Date Collected: 10/06/20 09:45
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	5.32		mg/kg	0.493	0.102	1	10/10/20 10:40	10/14/20 01:17	EPA 3050B	1,6010D	BV
Barium, Total	81.1		mg/kg	0.493	0.086	1	10/10/20 10:40	10/14/20 01:17	EPA 3050B	1,6010D	BV
Cadmium, Total	0.705		mg/kg	0.493	0.048	1	10/10/20 10:40	10/14/20 01:17	EPA 3050B	1,6010D	BV
Chromium, Total	11.8		mg/kg	0.493	0.047	1	10/10/20 10:40	10/14/20 01:17	EPA 3050B	1,6010D	BV
Lead, Total	33.0		mg/kg	2.46	0.132	1	10/10/20 10:40	10/14/20 01:17	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.083	0.054	1	10/10/20 12:30	10/12/20 11:59	EPA 7471B	1,7471B	EW
Selenium, Total	0.552	J	mg/kg	0.986	0.127	1	10/10/20 10:40	10/14/20 01:17	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.493	0.140	1	10/10/20 10:40	10/14/20 01:17	EPA 3050B	1,6010D	BV

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-04
Client ID: SB-6 0.3-2.0
Sample Location: BUFFALO, NY
Date Collected: 10/06/20 13:15
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	6.31		mg/kg	0.486	0.101	1	10/10/20 10:40	10/14/20 01:22	EPA 3050B	1,6010D	BV
Barium, Total	97.1		mg/kg	0.486	0.085	1	10/10/20 10:40	10/14/20 01:22	EPA 3050B	1,6010D	BV
Cadmium, Total	0.968		mg/kg	0.486	0.048	1	10/10/20 10:40	10/14/20 01:22	EPA 3050B	1,6010D	BV
Chromium, Total	17.8		mg/kg	0.486	0.047	1	10/10/20 10:40	10/14/20 01:22	EPA 3050B	1,6010D	BV
Lead, Total	300		mg/kg	2.43	0.130	1	10/10/20 10:40	10/14/20 01:22	EPA 3050B	1,6010D	BV
Mercury, Total	0.648		mg/kg	0.081	0.053	1	10/10/20 12:30	10/12/20 12:02	EPA 7471B	1,7471B	EW
Selenium, Total	0.661	J	mg/kg	0.972	0.125	1	10/10/20 10:40	10/14/20 01:22	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.486	0.138	1	10/10/20 10:40	10/14/20 01:22	EPA 3050B	1,6010D	BV

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-05
Client ID: SB-7 0.3-2.0
Sample Location: BUFFALO, NY
Date Collected: 10/06/20 12:30
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	2.51		mg/kg	0.487	0.101	1	10/10/20 10:40	10/14/20 01:26	EPA 3050B	1,6010D	BV
Barium, Total	85.4		mg/kg	0.487	0.085	1	10/10/20 10:40	10/14/20 01:26	EPA 3050B	1,6010D	BV
Cadmium, Total	0.428	J	mg/kg	0.487	0.048	1	10/10/20 10:40	10/14/20 01:26	EPA 3050B	1,6010D	BV
Chromium, Total	13.9		mg/kg	0.487	0.047	1	10/10/20 10:40	10/14/20 01:26	EPA 3050B	1,6010D	BV
Lead, Total	39.7		mg/kg	2.43	0.130	1	10/10/20 10:40	10/14/20 01:26	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.078	0.051	1	10/10/20 12:30	10/12/20 12:05	EPA 7471B	1,7471B	EW
Selenium, Total	0.219	J	mg/kg	0.973	0.126	1	10/10/20 10:40	10/14/20 01:26	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.487	0.138	1	10/10/20 10:40	10/14/20 01:26	EPA 3050B	1,6010D	BV

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-07
Client ID: SB-11 0.0-3.5
Sample Location: BUFFALO, NY
Date Collected: 10/06/20 14:45
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	10.0		mg/kg	0.462	0.096	1	10/10/20 10:40	10/14/20 01:45	EPA 3050B	1,6010D	BV
Barium, Total	298		mg/kg	0.462	0.080	1	10/10/20 10:40	10/14/20 01:45	EPA 3050B	1,6010D	BV
Cadmium, Total	1.45		mg/kg	0.462	0.045	1	10/10/20 10:40	10/14/20 01:45	EPA 3050B	1,6010D	BV
Chromium, Total	30.8		mg/kg	0.462	0.044	1	10/10/20 10:40	10/14/20 01:45	EPA 3050B	1,6010D	BV
Lead, Total	128		mg/kg	2.31	0.124	1	10/10/20 10:40	10/14/20 01:45	EPA 3050B	1,6010D	BV
Mercury, Total	0.204		mg/kg	0.074	0.048	1	10/10/20 12:30	10/12/20 12:08	EPA 7471B	1,7471B	EW
Selenium, Total	0.328	J	mg/kg	0.924	0.119	1	10/10/20 10:40	10/14/20 01:45	EPA 3050B	1,6010D	BV
Silver, Total	0.254	J	mg/kg	0.462	0.131	1	10/10/20 10:40	10/14/20 01:45	EPA 3050B	1,6010D	BV

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-09
Client ID: SB-15 0.5-3.5
Sample Location: BUFFALO, NY
Date Collected: 10/06/20 15:45
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	12.1		mg/kg	0.458	0.095	1	10/10/20 10:40	10/14/20 01:49	EPA 3050B	1,6010D	BV
Barium, Total	119		mg/kg	0.458	0.080	1	10/10/20 10:40	10/14/20 01:49	EPA 3050B	1,6010D	BV
Cadmium, Total	0.833		mg/kg	0.458	0.045	1	10/10/20 10:40	10/14/20 01:49	EPA 3050B	1,6010D	BV
Chromium, Total	11.9		mg/kg	0.458	0.044	1	10/10/20 10:40	10/14/20 01:49	EPA 3050B	1,6010D	BV
Lead, Total	118		mg/kg	2.29	0.123	1	10/10/20 10:40	10/14/20 01:49	EPA 3050B	1,6010D	BV
Mercury, Total	0.164		mg/kg	0.076	0.050	1	10/10/20 12:30	10/12/20 12:12	EPA 7471B	1,7471B	EW
Selenium, Total	0.522	J	mg/kg	0.916	0.118	1	10/10/20 10:40	10/14/20 01:49	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.458	0.130	1	10/10/20 10:40	10/14/20 01:49	EPA 3050B	1,6010D	BV

Project Name: 315 GROTE ST
Project Number: B0549-020-003
Lab Number: L2042746
Report Date: 10/19/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02,04-05,07,09 Batch: WG1420250-1										
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/10/20 10:40	10/14/20 00:50	1,6010D	BV
Barium, Total	ND		mg/kg	0.400	0.070	1	10/10/20 10:40	10/14/20 00:50	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/10/20 10:40	10/14/20 00:50	1,6010D	BV
Chromium, Total	ND		mg/kg	0.400	0.038	1	10/10/20 10:40	10/14/20 00:50	1,6010D	BV
Lead, Total	ND		mg/kg	2.00	0.107	1	10/10/20 10:40	10/14/20 00:50	1,6010D	BV
Selenium, Total	0.152	J	mg/kg	0.800	0.103	1	10/10/20 10:40	10/14/20 00:50	1,6010D	BV
Silver, Total	ND		mg/kg	0.400	0.113	1	10/10/20 10:40	10/14/20 00:50	1,6010D	BV

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02,04-05,07,09 Batch: WG1420253-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	10/10/20 12:30	10/12/20 10:54	1,7471B	EW

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 315 GROTE ST

Project Number: B0549-020-003

Lab Number: L2042746

Report Date: 10/19/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,04-05,07,09 Batch: WG1420250-2 SRM Lot Number: D109-540								
Arsenic, Total	93		-		70-130	-		
Barium, Total	88		-		75-125	-		
Cadmium, Total	98		-		75-125	-		
Chromium, Total	93		-		70-130	-		
Lead, Total	87		-		72-128	-		
Selenium, Total	97		-		68-132	-		
Silver, Total	90		-		68-131	-		
Total Metals - Mansfield Lab Associated sample(s): 01-02,04-05,07,09 Batch: WG1420253-2 SRM Lot Number: D109-540								
Mercury, Total	120		-		60-140	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 315 GROTE ST
Project Number: B0549-020-003

Lab Number: L2042746
Report Date: 10/19/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,04-05,07,09 QC Batch ID: WG1420250-3 QC Sample: L2042746-01 Client ID: SB-1 0.5-2.0												
Arsenic, Total	2.95	12	12.2	77		-	-		75-125	-		20
Barium, Total	115	200	294	90		-	-		75-125	-		20
Cadmium, Total	0.600	5.1	4.51	77		-	-		75-125	-		20
Chromium, Total	17.4	20	35.6	91		-	-		75-125	-		20
Lead, Total	10.6	51	48.6	**74**	Q	-	-		75-125	-		20
Selenium, Total	0.167J	12	9.25	77		-	-		75-125	-		20
Silver, Total	ND	30	25.0	83		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-02,04-05,07,09 QC Batch ID: WG1420253-3 QC Sample: L2043311-06 Client ID: MS Sample												
Mercury, Total	ND	0.129	0.146	113		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 315 GROTE ST
Project Number: B0549-020-003

Lab Number: L2042746
Report Date: 10/19/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,04-05,07,09 QC Batch ID: WG1420250-4 QC Sample: L2042746-01 Client ID: SB-1 0.5-2.0						
Arsenic, Total	2.95	2.39	mg/kg	**21**	Q	20
Barium, Total	115	158	mg/kg	**32**	Q	20
Cadmium, Total	0.600	0.618	mg/kg	3		20
Chromium, Total	17.4	19.8	mg/kg	13		20
Lead, Total	10.6	9.36	mg/kg	12		20
Selenium, Total	0.167J	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-02,04-05,07,09 QC Batch ID: WG1420253-4 QC Sample: L2043311-06 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 315 GROTE ST
Project Number: B0549-020-003

Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-01
Client ID: SB-1 0.5-2.0
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 09:00
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.8		%	0.100	NA	1	-	10/08/20 13:23	121,2540G	RI

Project Name: 315 GROTE ST
Project Number: B0549-020-003

Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-02
Client ID: SB-2 0.5-2.0
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 09:45
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.7		%	0.100	NA	1	-	10/08/20 13:23	121,2540G	RI

Project Name: 315 GROTE ST
Project Number: B0549-020-003

Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-03
Client ID: SB-3 0.7-2.0
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 11:00
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.2		%	0.100	NA	1	-	10/08/20 13:23	121,2540G	RI

Project Name: 315 GROTE ST
Project Number: B0549-020-003

Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-04
Client ID: SB-6 0.3-2.0
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 13:15
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.6		%	0.100	NA	1	-	10/08/20 13:23	121,2540G	RI

Project Name: 315 GROTE ST
Project Number: B0549-020-003

Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-05
Client ID: SB-7 0.3-2.0
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 12:30
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.9		%	0.100	NA	1	-	10/08/20 13:23	121,2540G	RI

Project Name: 315 GROTE ST
Project Number: B0549-020-003

Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-06
Client ID: SB-10 8-12
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 14:00
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.0		%	0.100	NA	1	-	10/08/20 13:23	121,2540G	RI

Project Name: 315 GROTE ST
Project Number: B0549-020-003

Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-07
Client ID: SB-11 0.0-3.5
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 14:45
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.2		%	0.100	NA	1	-	10/08/20 13:23	121,2540G	RI

Project Name: 315 GROTE ST
Project Number: B0549-020-003

Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-08
Client ID: SB-12 6-8
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 15:15
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.1		%	0.100	NA	1	-	10/08/20 13:23	121,2540G	RI

Project Name: 315 GROTE ST
Project Number: B0549-020-003

Lab Number: L2042746
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2042746-09
Client ID: SB-15 0.5-3.5
Sample Location: BUFFALO, NY

Date Collected: 10/06/20 15:45
Date Received: 10/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.6		%	0.100	NA	1	-	10/08/20 13:23	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 315 GROTE ST

Project Number: B0549-020-003

Lab Number: L2042746

Report Date: 10/19/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1419811-1 QC Sample: L2042746-01 Client ID: SB-1 0.5-2.0						
Solids, Total	75.8	74.8	%	1		20

Project Name: 315 GROTE ST
Project Number: B0549-020-003

Lab Number: L2042746
Report Date: 10/19/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2042746-01A	Plastic 2oz unpreserved for TS	B	NA		5.0	Y	Absent		TS(7)
L2042746-01B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		5.0	Y	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2042746-01C	Vial Large Septa unpreserved (4oz)	B	NA		5.0	Y	Absent		NYTCL-8260-R2(14)
L2042746-01D	Glass 250ml/8oz unpreserved	B	NA		5.0	Y	Absent		NYCP51-PAH(14),NYTCL-8082(14)
L2042746-01X	Vial MeOH preserved split	B	NA		5.0	Y	Absent		NYTCL-8260-R2(14)
L2042746-01Y	Vial Water preserved split	B	NA		5.0	Y	Absent	**13-OCT-20 06:07**	NYTCL-8260-R2(14)
L2042746-01Z	Vial Water preserved split	B	NA		5.0	Y	Absent	**13-OCT-20 06:07**	NYTCL-8260-R2(14)
L2042746-02A	Plastic 2oz unpreserved for TS	B	NA		5.0	Y	Absent		TS(7)
L2042746-02B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		5.0	Y	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L2042746-02C	Glass 250ml/8oz unpreserved	B	NA		5.0	Y	Absent		NYCP51-PAH(14)
L2042746-03A	Plastic 2oz unpreserved for TS	B	NA		5.0	Y	Absent		TS(7)
L2042746-03B	Glass 250ml/8oz unpreserved	B	NA		5.0	Y	Absent		NYTCL-8082(14)
L2042746-04A	Plastic 2oz unpreserved for TS	B	NA		5.0	Y	Absent		TS(7)
L2042746-04B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		5.0	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L2042746-04C	Vial Large Septa unpreserved (4oz)	B	NA		5.0	Y	Absent		NYTCL-8260-R2(14)
L2042746-04D	Glass 250ml/8oz unpreserved	B	NA		5.0	Y	Absent		NYCP51-PAH(14),NYTCL-8082(14)
L2042746-04X	Vial MeOH preserved split	B	NA		5.0	Y	Absent		NYTCL-8260-R2(14)
L2042746-04Y	Vial Water preserved split	B	NA		5.0	Y	Absent	**13-OCT-20 06:07**	NYTCL-8260-R2(14)
L2042746-04Z	Vial Water preserved split	B	NA		5.0	Y	Absent	**13-OCT-20 06:07**	NYTCL-8260-R2(14)
L2042746-05A	Plastic 2oz unpreserved for TS	B	NA		5.0	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2042746-05B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		5.0	Y	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L2042746-05C	Glass 250ml/8oz unpreserved	B	NA		5.0	Y	Absent		NYCP51-PAH(14),NYTCL-8082(14)
L2042746-06A	Plastic 2oz unpreserved for TS	B	NA		5.0	Y	Absent		TS(7)
L2042746-06B	Vial Large Septa unpreserved (4oz)	B	NA		5.0	Y	Absent		NYTCL-8260-R2(14)
L2042746-06X	Vial MeOH preserved split	B	NA		5.0	Y	Absent		NYTCL-8260-R2(14)
L2042746-06Y	Vial Water preserved split	B	NA		5.0	Y	Absent	**13-OCT-20 06:07**	NYTCL-8260-R2(14)
L2042746-06Z	Vial Water preserved split	B	NA		5.0	Y	Absent	**13-OCT-20 06:07**	NYTCL-8260-R2(14)
L2042746-07A	Plastic 2oz unpreserved for TS	B	NA		5.0	Y	Absent		TS(7)
L2042746-07B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		5.0	Y	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2042746-07C	Glass 250ml/8oz unpreserved	B	NA		5.0	Y	Absent		NYCP51-PAH(14),NYTCL-8082(14)
L2042746-08A	Plastic 2oz unpreserved for TS	B	NA		5.0	Y	Absent		TS(7)
L2042746-08B	Vial Large Septa unpreserved (4oz)	B	NA		5.0	Y	Absent		NYTCL-8260-R2(14)
L2042746-08C	Glass 120ml/4oz unpreserved	B	NA		5.0	Y	Absent		NYCP51-PAH(14),NYTCL-8082(14)
L2042746-08X	Vial MeOH preserved split	B	NA		5.0	Y	Absent		NYTCL-8260-R2(14)
L2042746-08Y	Vial Water preserved split	B	NA		5.0	Y	Absent	**13-OCT-20 06:07**	NYTCL-8260-R2(14)
L2042746-08Z	Vial Water preserved split	B	NA		5.0	Y	Absent	**13-OCT-20 06:07**	NYTCL-8260-R2(14)
L2042746-09A	Plastic 2oz unpreserved for TS	B	NA		5.0	Y	Absent		TS(7)
L2042746-09B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		5.0	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2042746-09C	Glass 120ml/4oz unpreserved	B	NA		5.0	Y	Absent		NYCP51-PAH(14)

*Values in parentheses indicate holding time in days

Project Name:	315 GROTE ST	**Lab Number:**	L2042746
Project Number:	B0549-020-003	**Report Date:**	10/19/20

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	315 GROTE ST	**Lab Number:**	L2042746
Project Number:	B0549-020-003	**Report Date:**	10/19/20

Footnotes

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

Terms

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

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

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

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

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

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

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

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

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

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers

Project Name:	315 GROTE ST	**Lab Number:**	L2042746
Project Number:	B0549-020-003	**Report Date:**	10/19/20

Data Qualifiers

the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name:	315 GROTE ST	**Lab Number:**	L2042746
Project Number:	B0549-020-003	**Report Date:**	10/19/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581, 8 Walkup Dr., TEL: 508-898-9220, FAX: 508-898-9193
Mansfield, MA 02048, 320 Forbes Blvd, TEL: 508-822-9300, FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 10/8/20

ALPHA Job #: L2042746

Project Information
Project Name: 315 Grote St
Project Location: Buffalo NY
Project #: B0549-020-003
(Use Project name as Project #) ☒
Project Manager: Chris Boron
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Client Information
Client: Benchmark Eng
Address: 2558 Hamburg Turnpike Lackawanna NY 14218
Phone: (716) 818-8358
Fax:
Email: TBehrendt@Turnkey llc.com

Deliverables
☐ ASA-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	T. Solids	TCL VOC 8260	CP-51 SVOC 8270	RCRA 8 METALS	PCBs				Sample Specific Comments	Total Bottles
42746-01	SB-1 0.5-2.0	10/6/20	0900	Soil	TAB	X	X	X	X	X					4
-02	SB-2 0.5-2.0		0945			X		X	X						3
-03	SB-3 0.7-2.0		1100			X				X					2
-04	SB-6 0.3-2.0		1315			X	X	X	X	X					4
-05	SB-7 0.3-2.0		1230			X		X	X	X					3
-06	SB-10 8-12		1400			X	X								2
-07	SB-11 0.0-3.5		1445			X		X	X	X					3
-08	SB-12 6-8		1515			X	X	X							3
-09	SB-15 0.5-3.5		1545			X		X	X						3
					Container Type	P	A	A	A	A					
					Preservative	A	A	A	A	A					

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	10/7/20 1130	[signature] AAL	10/7/20 1400
[signature]	10/7/20 1430	[signature]	10/8/20 00:50

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For

Alpha Analytical

For Lab Project ID

205296

Referencing

L2048448

Prepared

Thursday, November 5, 2020

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 205296

Client: **Alpha Analytical**

Project Reference: L2048448

Sample Identifier:	UST Product		
Lab Sample ID:	205296-01	**Date Sampled:**	11/4/2020
Matrix:	Oil	**Date Received:**	11/4/2020

Petroleum Hydrocarbons by GC

Analyte	Result	Units	Qualifier	Date Analyzed
Medium weight PHC as Diesel	Pure Product	mg/Kg		11/5/2020 12:25

Method Reference(s): NYSDOH 310.13
Preparation Date: 11/5/2020
ELAP does not offer this test for approval as part of their laboratory certification program.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.
"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, tern or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-9288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab

ALPHA Job # 205296

Client Information
Client: Benchmark ees
Address: 2558 Hamburg Tpke
Buffalo, NY, 14218
Phone: 716-713-3937
Fax:
Email: CBoron@BA-Tk.com

Project Information
Project Name: 315 60th Street
Project Location: Buffalo, NY
Project # B0549-020-001
(Use Project name as Project #) ☐
Project Manager: Chris Boron/Candace Fox
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date: 2 days
Rush (only if pre approved) ☒ # of Days: 2 days

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Analyze Product/oil only

Please specify Metals or TAL.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS 310.13	Sample Specific Comments	Total Bottle
01	UST Product	11/4/20	13:00	Oil/Water	NAS	X	Top oil Layer per comments MW 11/4/2020	3

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

9°C iced started MW 11/4/2020 1655

Container Type: A
Preservative: O

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	11/4/20 16:03	R Cunningham AAL	11/4/20 16:08
T. Cunningham AAL	11/4/20 16:08		
		Molly Nail	11/4/2020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

1702

Chain of Custody Supplement

edf 11/5/2020

Client: ~~Benchmark~~ Alpha Analytical **Completed by:** Mollyrail

Lab Project ID: 205296 **Date:** 11/4/2020

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt: Yes	No	N/A
Container Type	X		
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)			X
Comments			
Preservation			X
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		
Comments	9°C iced started in field		
Compliant Sample Quantity/Type	X		
Comments			

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab

ALPHA Job #

Client Information

Client: Benchmark ees
Address: 2558 Hamburg Tpke
Buffalo, NY, 14218
Phone: 716-713-3937
Fax:
Email: CBorn@BA-Tk.com

Project Information

Project Name: 315 60th Street
Project Location: Buffalo, NY
Project # B0549-020-001
(Use Project name as Project #)
Project Manager: Chris Born/Candace Fox
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date: 2 days
Rush (only if pre approved) ☒ # of Days: 2 days

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Analyze Product/oil only

Please specify Metals or TAL.

ANALYSIS

310.13

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	310.13	Sample Specific Comments	Total Bottle
	UST Product	11/4/20	13:40	Oil/Water	NAS	X		3

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type		A									
Preservative		O									

Relinquished By:	Date/Time	Received By:	Date/Time
	11/4/20 16:03	R Cunningham AAL	11/4/20 16:08
R Cunningham AAL	11/4/20 16:08		

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2048453
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Chris Boron
Phone:	(716) 856-0599
Project Name:	315 GROVE STREET
Project Number:	B0549-020-001
Report Date:	11/06/20

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

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

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048453
Report Date: 11/06/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2048453-01	TP-1 1-2FT	SOIL	BUFFALO, NY	11/04/20 09:15	11/04/20
L2048453-02	TP-2 2.5-4FT	SOIL	BUFFALO, NY	11/04/20 10:30	11/04/20
L2048453-03	TP-4 0.5-2FT	SOIL	BUFFALO, NY	11/04/20 11:00	11/04/20
L2048453-04	TP-5 3-3.5FT	SOIL	BUFFALO, NY	11/04/20 12:15	11/04/20
L2048453-05	TP-5 6FT	SOIL	BUFFALO, NY	11/04/20 12:30	11/04/20

Project Name:	315 GROVE STREET	**Lab Number:**	L2048453
Project Number:	B0549-020-001	**Report Date:**	11/06/20

Case Narrative

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

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

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

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

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

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

Project Name: 315 GROVE STREET **Lab Number:** L2048453
Project Number: B0549-020-001 **Report Date:** 11/06/20

Case Narrative (continued)

Report Submission

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

Volatile Organics

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

L2048453-04: The methanol vial was utilized for the analysis due to the elevated concentrations of non-target compounds in the sample.

L2048453-04: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (152%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

Semivolatile Organics

L2048453-03 and -04: The sample has elevated detection limits due to the dilution required by the sample matrix.

PCBs

L2048453-03 and -04: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Total Metals

L2048453-03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 11/06/20

ORGANICS

VOLATILES

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048453
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048453-01
Client ID: TP-1 1-2FT
Sample Location: BUFFALO, NY

Date Collected: 11/04/20 09:15
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/05/20 12:54
Analyst: MKS
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.7	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.57	0.22	1
Chlorobenzene	ND		ug/kg	0.57	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.79	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.57	0.19	1
Bromodichloromethane	ND		ug/kg	0.57	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	0.18	1
Bromoform	ND		ug/kg	4.5	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	0.19	1
Benzene	ND		ug/kg	0.57	0.19	1
Toluene	ND		ug/kg	1.1	0.62	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.3	0.66	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1
Trichloroethene	ND		ug/kg	0.57	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048453
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048453-01
Client ID: TP-1 1-2FT
Sample Location: BUFFALO, NY
Date Collected: 11/04/20 09:15
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.63	1
o-Xylene	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.4	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	ND		ug/kg	11	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
Methyl Acetate	ND		ug/kg	4.5	1.1	1
Cyclohexane	ND		ug/kg	11	0.62	1
1,4-Dioxane	ND		ug/kg	91	40.	1
Freon-113	ND		ug/kg	4.5	0.78	1
Methyl cyclohexane	ND		ug/kg	4.5	0.68	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	107		70-130

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048453
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048453-02
Client ID: TP-2 2.5-4FT
Sample Location: BUFFALO, NY

Date Collected: 11/04/20 10:30
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/05/20 13:18
Analyst: MKS
Percent Solids: 92%

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

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048453
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048453-02
Client ID: TP-2 2.5-4FT
Sample Location: BUFFALO, NY
Date Collected: 11/04/20 10:30
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.94	1
Acetone	ND		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
Methyl Acetate	ND		ug/kg	4.1	0.98	1
Cyclohexane	ND		ug/kg	10	0.56	1
1,4-Dioxane	ND		ug/kg	82	36.	1
Freon-113	ND		ug/kg	4.1	0.71	1
Methyl cyclohexane	ND		ug/kg	4.1	0.62	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	106		70-130

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048453
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048453-03
Client ID: TP-4 0.5-2FT
Sample Location: BUFFALO, NY

Date Collected: 11/04/20 11:00
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/05/20 13:43
Analyst: MKS
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.7	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.31	1
Tetrachloroethene	ND		ug/kg	0.57	0.22	1
Chlorobenzene	ND		ug/kg	0.57	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.80	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.57	0.19	1
Bromodichloromethane	ND		ug/kg	0.57	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	0.19	1
Benzene	ND		ug/kg	0.57	0.19	1
Toluene	ND		ug/kg	1.1	0.62	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.67	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1
Trichloroethene	ND		ug/kg	0.57	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1

Project Name: 315 GROVE STREET **Lab Number:** L2048453

Project Number: B0549-020-001 **Report Date:** 11/06/20

SAMPLE RESULTS

Lab ID: L2048453-03 Date Collected: 11/04/20 11:00

Client ID: TP-4 0.5-2FT Date Received: 11/04/20

Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.64	1
o-Xylene	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.5	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	ND		ug/kg	11	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.5	1
2-Hexanone	ND		ug/kg	11	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
Methyl Acetate	ND		ug/kg	4.6	1.1	1
Cyclohexane	ND		ug/kg	11	0.62	1
1,4-Dioxane	ND		ug/kg	92	40.	1
Freon-113	ND		ug/kg	4.6	0.80	1
Methyl cyclohexane	ND		ug/kg	4.6	0.69	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	106		70-130

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048453
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048453-04
Client ID: TP-5 3-3.5FT
Sample Location: BUFFALO, NY

Date Collected: 11/04/20 12:15
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/05/20 14:32
Analyst: MKS
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	280	130	1
1,1-Dichloroethane	ND		ug/kg	55	8.0	1
Chloroform	ND		ug/kg	83	7.7	1
Carbon tetrachloride	ND		ug/kg	55	13.	1
1,2-Dichloropropane	ND		ug/kg	55	6.9	1
Dibromochloromethane	ND		ug/kg	55	7.7	1
1,1,2-Trichloroethane	ND		ug/kg	55	15.	1
Tetrachloroethene	ND		ug/kg	28	11.	1
Chlorobenzene	ND		ug/kg	28	7.0	1
Trichlorofluoromethane	ND		ug/kg	220	38.	1
1,2-Dichloroethane	ND		ug/kg	55	14.	1
1,1,1-Trichloroethane	ND		ug/kg	28	9.2	1
Bromodichloromethane	ND		ug/kg	28	6.0	1
trans-1,3-Dichloropropene	ND		ug/kg	55	15.	1
cis-1,3-Dichloropropene	ND		ug/kg	28	8.7	1
Bromoform	ND		ug/kg	220	14.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	28	9.2	1
Benzene	ND		ug/kg	28	9.2	1
Toluene	ND		ug/kg	55	30.	1
Ethylbenzene	ND		ug/kg	55	7.8	1
Chloromethane	ND		ug/kg	220	51.	1
Bromomethane	ND		ug/kg	110	32.	1
Vinyl chloride	ND		ug/kg	55	18.	1
Chloroethane	ND		ug/kg	110	25.	1
1,1-Dichloroethene	ND		ug/kg	55	13.	1
trans-1,2-Dichloroethene	ND		ug/kg	83	7.6	1
Trichloroethene	ND		ug/kg	28	7.6	1
1,2-Dichlorobenzene	ND		ug/kg	110	8.0	1

Project Name: 315 GROVE STREET **Lab Number:** L2048453

Project Number: B0549-020-001 **Report Date:** 11/06/20

SAMPLE RESULTS

Lab ID: L2048453-04 Date Collected: 11/04/20 12:15

Client ID: TP-5 3-3.5FT Date Received: 11/04/20

Sample Location: BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	110	8.2	1
1,4-Dichlorobenzene	ND		ug/kg	110	9.4	1
Methyl tert butyl ether	ND		ug/kg	110	11.	1
p/m-Xylene	360		ug/kg	110	31.	1
o-Xylene	97		ug/kg	55	16.	1
cis-1,2-Dichloroethene	ND		ug/kg	55	9.7	1
Styrene	ND		ug/kg	55	11.	1
Dichlorodifluoromethane	ND		ug/kg	550	50.	1
Acetone	ND		ug/kg	550	260	1
Carbon disulfide	ND		ug/kg	550	250	1
2-Butanone	ND		ug/kg	550	120	1
4-Methyl-2-pentanone	ND		ug/kg	550	71.	1
2-Hexanone	ND		ug/kg	550	65.	1
Bromochloromethane	ND		ug/kg	110	11.	1
1,2-Dibromoethane	ND		ug/kg	55	15.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	160	55.	1
Isopropylbenzene	190		ug/kg	55	6.0	1
1,2,3-Trichlorobenzene	ND		ug/kg	110	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	15.	1
Methyl Acetate	ND		ug/kg	220	52.	1
Cyclohexane	ND		ug/kg	550	30.	1
1,4-Dioxane	ND		ug/kg	4400	1900	1
Freon-113	ND		ug/kg	220	38.	1
Methyl cyclohexane	61	J	ug/kg	220	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	**152**	Q	70-130
Dibromofluoromethane	97		70-130

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048453
Report Date: 11/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/05/20 06:41
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1430729-10					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: 315 GROVE STREET **Lab Number:** L2048453

Project Number: B0549-020-001 **Report Date:** 11/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/05/20 06:41
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1430729-10					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048453
Report Date: 11/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/05/20 06:41
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1430729-10					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	93		70-130

Project Name: 315 GROVE STREET **Lab Number:** L2048453

Project Number: B0549-020-001 **Report Date:** 11/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/05/20 06:41
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1430918-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4

Project Name: 315 GROVE STREET **Lab Number:** L2048453

Project Number: B0549-020-001 **Report Date:** 11/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/05/20 06:41
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1430918-5					
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Isopropylbenzene	ND		ug/kg	50	5.4
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
Methyl Acetate	ND		ug/kg	200	48.
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	4000	1800
Freon-113	ND		ug/kg	200	35.
Methyl cyclohexane	ND		ug/kg	200	30.

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048453
Report Date: 11/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/05/20 06:41
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1430918-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048453
Report Date: 11/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1430729-8 WG1430729-9								
Methylene chloride	97		97		70-130	0		30
1,1-Dichloroethane	102		101		70-130	1		30
Chloroform	101		100		70-130	1		30
Carbon tetrachloride	103		101		70-130	2		30
1,2-Dichloropropane	102		102		70-130	0		30
Dibromochloromethane	92		96		70-130	4		30
1,1,2-Trichloroethane	101		105		70-130	4		30
Tetrachloroethene	112		109		70-130	3		30
Chlorobenzene	101		102		70-130	1		30
Trichlorofluoromethane	98		96		70-139	2		30
1,2-Dichloroethane	99		100		70-130	1		30
1,1,1-Trichloroethane	110		107		70-130	3		30
Bromodichloromethane	107		108		70-130	1		30
trans-1,3-Dichloropropene	103		107		70-130	4		30
cis-1,3-Dichloropropene	93		94		70-130	1		30
Bromoform	102		106		70-130	4		30
1,1,2,2-Tetrachloroethane	102		106		70-130	4		30
Benzene	104		103		70-130	1		30
Toluene	100		99		70-130	1		30
Ethylbenzene	102		102		70-130	0		30
Chloromethane	94		92		52-130	2		30
Bromomethane	94		90		57-147	4		30
Vinyl chloride	98		95		67-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048453
Report Date: 11/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1430729-8 WG1430729-9								
Chloroethane	106		105		50-151	1		30
1,1-Dichloroethene	101		101		65-135	0		30
trans-1,2-Dichloroethene	103		101		70-130	2		30
Trichloroethene	109		108		70-130	1		30
1,2-Dichlorobenzene	99		100		70-130	1		30
1,3-Dichlorobenzene	101		101		70-130	0		30
1,4-Dichlorobenzene	98		99		70-130	1		30
Methyl tert butyl ether	101		104		66-130	3		30
p/m-Xylene	107		108		70-130	1		30
o-Xylene	107		109		70-130	2		30
cis-1,2-Dichloroethene	103		103		70-130	0		30
Styrene	96		98		70-130	2		30
Dichlorodifluoromethane	91		88		30-146	3		30
Acetone	94		97		54-140	3		30
Carbon disulfide	92		90		59-130	2		30
2-Butanone	100		103		70-130	3		30
4-Methyl-2-pentanone	89		94		70-130	5		30
2-Hexanone	97		104		70-130	7		30
Bromochloromethane	102		102		70-130	0		30
1,2-Dibromoethane	104		106		70-130	2		30
1,2-Dibromo-3-chloropropane	90		97		68-130	7		30
Isopropylbenzene	102		101		70-130	1		30
1,2,3-Trichlorobenzene	103		106		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048453
Report Date: 11/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1430729-8 WG1430729-9								
1,2,4-Trichlorobenzene	104		105		70-130	1		30
Methyl Acetate	104		107		51-146	3		30
Cyclohexane	104		103		59-142	1		30
1,4-Dioxane	82		87		65-136	6		30
Freon-113	102		101		50-139	1		30
Methyl cyclohexane	105		104		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		98		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	96		98		70-130
Dibromofluoromethane	99		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048453
Report Date: 11/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1430918-3 WG1430918-4								
Methylene chloride	97		97		70-130	0		30
1,1-Dichloroethane	102		101		70-130	1		30
Chloroform	101		100		70-130	1		30
Carbon tetrachloride	103		101		70-130	2		30
1,2-Dichloropropane	102		102		70-130	0		30
Dibromochloromethane	92		96		70-130	4		30
1,1,2-Trichloroethane	101		105		70-130	4		30
Tetrachloroethene	112		109		70-130	3		30
Chlorobenzene	101		102		70-130	1		30
Trichlorofluoromethane	98		96		70-139	2		30
1,2-Dichloroethane	99		100		70-130	1		30
1,1,1-Trichloroethane	110		107		70-130	3		30
Bromodichloromethane	107		108		70-130	1		30
trans-1,3-Dichloropropene	103		107		70-130	4		30
cis-1,3-Dichloropropene	93		94		70-130	1		30
Bromoform	102		106		70-130	4		30
1,1,2,2-Tetrachloroethane	102		106		70-130	4		30
Benzene	104		103		70-130	1		30
Toluene	100		99		70-130	1		30
Ethylbenzene	102		102		70-130	0		30
Chloromethane	94		92		52-130	2		30
Bromomethane	94		90		57-147	4		30
Vinyl chloride	98		95		67-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048453
Report Date: 11/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1430918-3 WG1430918-4								
Chloroethane	106		105		50-151	1		30
1,1-Dichloroethene	101		101		65-135	0		30
trans-1,2-Dichloroethene	103		101		70-130	2		30
Trichloroethene	109		108		70-130	1		30
1,2-Dichlorobenzene	99		100		70-130	1		30
1,3-Dichlorobenzene	101		101		70-130	0		30
1,4-Dichlorobenzene	98		99		70-130	1		30
Methyl tert butyl ether	101		104		66-130	3		30
p/m-Xylene	107		108		70-130	1		30
o-Xylene	107		109		70-130	2		30
cis-1,2-Dichloroethene	103		103		70-130	0		30
Styrene	96		98		70-130	2		30
Dichlorodifluoromethane	91		88		30-146	3		30
Acetone	94		97		54-140	3		30
Carbon disulfide	92		90		59-130	2		30
2-Butanone	100		103		70-130	3		30
4-Methyl-2-pentanone	89		94		70-130	5		30
2-Hexanone	97		104		70-130	7		30
Bromochloromethane	102		102		70-130	0		30
1,2-Dibromoethane	104		106		70-130	2		30
1,2-Dibromo-3-chloropropane	90		97		68-130	7		30
Isopropylbenzene	102		101		70-130	1		30
1,2,3-Trichlorobenzene	103		106		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048453
Report Date: 11/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1430918-3 WG1430918-4								
1,2,4-Trichlorobenzene	104		105		70-130	1		30
Methyl Acetate	104		107		51-146	3		30
Cyclohexane	104		103		59-142	1		30
1,4-Dioxane	82		87		65-136	6		30
Freon-113	102		101		50-139	1		30
Methyl cyclohexane	105		104		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		98		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	96		98		70-130
Dibromofluoromethane	99		99		70-130

SEMIVOLATILES

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048453
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048453-01
Client ID: TP-1 1-2FT
Sample Location: BUFFALO, NY

Date Collected: 11/04/20 09:15
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/06/20 06:49
Analyst: WR
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 11/05/20 14:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	170		ug/kg	160	21.	1
Fluoranthene	4200		ug/kg	120	23.	1
Naphthalene	78	J	ug/kg	200	24.	1
Benzo(a)anthracene	2000		ug/kg	120	23.	1
Benzo(a)pyrene	2400		ug/kg	160	49.	1
Benzo(b)fluoranthene	2700		ug/kg	120	34.	1
Benzo(k)fluoranthene	990		ug/kg	120	32.	1
Chrysene	1900		ug/kg	120	21.	1
Acenaphthylene	74	J	ug/kg	160	31.	1
Anthracene	510		ug/kg	120	39.	1
Benzo(ghi)perylene	1200		ug/kg	160	24.	1
Fluorene	160	J	ug/kg	200	20.	1
Phenanthrene	2100		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	300		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	1400		ug/kg	160	28.	1
Pyrene	3400		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	49		30-120
4-Terphenyl-d14	37		18-120

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048453
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048453-02
Client ID: TP-2 2.5-4FT
Sample Location: BUFFALO, NY

Date Collected: 11/04/20 10:30
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/06/20 08:02
Analyst: WR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 11/05/20 14:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	56	J	ug/kg	140	19.	1
Fluoranthene	9300	E	ug/kg	110	21.	1
Naphthalene	150	J	ug/kg	180	22.	1
Benzo(a)anthracene	5900		ug/kg	110	20.	1
Benzo(a)pyrene	5600		ug/kg	140	44.	1
Benzo(b)fluoranthene	7700	E	ug/kg	110	30.	1
Benzo(k)fluoranthene	2400		ug/kg	110	29.	1
Chrysene	4900		ug/kg	110	19.	1
Acenaphthylene	1700		ug/kg	140	28.	1
Anthracene	1200		ug/kg	110	35.	1
Benzo(ghi)perylene	2700		ug/kg	140	21.	1
Fluorene	110	J	ug/kg	180	18.	1
Phenanthrene	2400		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	920		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	3500		ug/kg	140	25.	1
Pyrene	6800		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	70		30-120
4-Terphenyl-d14	63		18-120

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048453
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048453-02 D
Client ID: TP-2 2.5-4FT
Sample Location: BUFFALO, NY

Date Collected: 11/04/20 10:30
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/06/20 09:14
Analyst: WR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 11/05/20 14:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	11000		ug/kg	540	100	5
Benzo(b)fluoranthene	8700		ug/kg	540	150	5

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048453
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048453-03 D
Client ID: TP-4 0.5-2FT
Sample Location: BUFFALO, NY

Date Collected: 11/04/20 11:00
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/06/20 06:01
Analyst: WR
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 11/05/20 14:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	350	J	ug/kg	790	100	5
Fluoranthene	4600		ug/kg	590	110	5
Naphthalene	280	J	ug/kg	990	120	5
Benzo(a)anthracene	1900		ug/kg	590	110	5
Benzo(a)pyrene	2200		ug/kg	790	240	5
Benzo(b)fluoranthene	2600		ug/kg	590	170	5
Benzo(k)fluoranthene	1000		ug/kg	590	160	5
Chrysene	1800		ug/kg	590	100	5
Acenaphthylene	ND		ug/kg	790	150	5
Anthracene	860		ug/kg	590	190	5
Benzo(ghi)perylene	1300		ug/kg	790	120	5
Fluorene	410	J	ug/kg	990	96.	5
Phenanthrene	3600		ug/kg	590	120	5
Dibenzo(a,h)anthracene	290	J	ug/kg	590	110	5
Indeno(1,2,3-cd)pyrene	1500		ug/kg	790	140	5
Pyrene	3600		ug/kg	590	98.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	60		30-120
4-Terphenyl-d14	56		18-120

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048453
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048453-04 D
Client ID: TP-5 3-3.5FT
Sample Location: BUFFALO, NY

Date Collected: 11/04/20 12:15
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/06/20 07:13
Analyst: WR
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 11/05/20 14:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	2700		ug/kg	710	92.	5
Fluoranthene	13000		ug/kg	530	100	5
Naphthalene	2100		ug/kg	880	110	5
Benzo(a)anthracene	6300		ug/kg	530	100	5
Benzo(a)pyrene	6600		ug/kg	710	220	5
Benzo(b)fluoranthene	8000		ug/kg	530	150	5
Benzo(k)fluoranthene	1900		ug/kg	530	140	5
Chrysene	5400		ug/kg	530	92.	5
Acenaphthylene	ND		ug/kg	710	140	5
Anthracene	4600		ug/kg	530	170	5
Benzo(ghi)perylene	2800		ug/kg	710	100	5
Fluorene	3000		ug/kg	880	86.	5
Phenanthrene	14000		ug/kg	530	110	5
Dibenzo(a,h)anthracene	760		ug/kg	530	100	5
Indeno(1,2,3-cd)pyrene	3500		ug/kg	710	120	5
Pyrene	9500		ug/kg	530	88.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	45		30-120
4-Terphenyl-d14	38		18-120

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048453
Report Date: 11/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/05/20 11:55
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 11/05/20 04:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1430600-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	98	19.
Naphthalene	ND		ug/kg	160	20.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	27.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	53		10-136
4-Terphenyl-d14	75		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048453
Report Date: 11/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1430600-2 WG1430600-3								
Acenaphthene	75		74		31-137	1		50
Fluoranthene	77		75		40-140	3		50
Naphthalene	75		76		40-140	1		50
Benzo(a)anthracene	73		72		40-140	1		50
Benzo(a)pyrene	74		74		40-140	0		50
Benzo(b)fluoranthene	75		73		40-140	3		50
Benzo(k)fluoranthene	75		76		40-140	1		50
Chrysene	76		74		40-140	3		50
Acenaphthylene	75		74		40-140	1		50
Anthracene	75		74		40-140	1		50
Benzo(ghi)perylene	76		73		40-140	4		50
Fluorene	76		75		40-140	1		50
Phenanthrene	74		73		40-140	1		50
Dibenzo(a,h)anthracene	75		72		40-140	4		50
Indeno(1,2,3-cd)pyrene	72		69		40-140	4		50
Pyrene	77		75		35-142	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048453
Report Date: 11/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1430600-2 WG1430600-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	76		78		25-120
Phenol-d6	77		77		10-120
Nitrobenzene-d5	67		71		23-120
2-Fluorobiphenyl	70		70		30-120
2,4,6-Tribromophenol	67		66		10-136
4-Terphenyl-d14	75		74		18-120

PCBS

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048453
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048453-01
Client ID: TP-1 1-2FT
Sample Location: BUFFALO, NY

Date Collected: 11/04/20 09:15
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/05/20 22:54
Analyst: AD
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 11/05/20 13:41
Cleanup Method: EPA 3665A
Cleanup Date: 11/05/20
Cleanup Method: EPA 3660B
Cleanup Date: 11/05/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.7	3.52	1	A
Aroclor 1221	ND		ug/kg	39.7	3.98	1	A
Aroclor 1232	ND		ug/kg	39.7	8.41	1	A
Aroclor 1242	ND		ug/kg	39.7	5.35	1	A
Aroclor 1248	ND		ug/kg	39.7	5.95	1	A
Aroclor 1254	99.4		ug/kg	39.7	4.34	1	A
Aroclor 1260	ND		ug/kg	39.7	7.33	1	A
Aroclor 1262	ND		ug/kg	39.7	5.04	1	A
Aroclor 1268	ND		ug/kg	39.7	4.11	1	A
PCBs, Total	99.4		ug/kg	39.7	3.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048453
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048453-02
Client ID: TP-2 2.5-4FT
Sample Location: BUFFALO, NY

Date Collected: 11/04/20 10:30
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/05/20 23:02
Analyst: AD
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 11/05/20 13:41
Cleanup Method: EPA 3665A
Cleanup Date: 11/05/20
Cleanup Method: EPA 3660B
Cleanup Date: 11/05/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.3	3.14	1	A
Aroclor 1221	ND		ug/kg	35.3	3.54	1	A
Aroclor 1232	ND		ug/kg	35.3	7.49	1	A
Aroclor 1242	ND		ug/kg	35.3	4.76	1	A
Aroclor 1248	ND		ug/kg	35.3	5.30	1	A
Aroclor 1254	86.9		ug/kg	35.3	3.86	1	A
Aroclor 1260	26.0	J	ug/kg	35.3	6.53	1	A
Aroclor 1262	ND		ug/kg	35.3	4.49	1	A
Aroclor 1268	ND		ug/kg	35.3	3.66	1	A
PCBs, Total	113	J	ug/kg	35.3	3.14	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048453
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048453-03 D
Client ID: TP-4 0.5-2FT
Sample Location: BUFFALO, NY

Date Collected: 11/04/20 11:00
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/06/20 01:01
Analyst: JAW
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 11/05/20 13:41
Cleanup Method: EPA 3665A
Cleanup Date: 11/05/20
Cleanup Method: EPA 3660B
Cleanup Date: 11/05/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	19800	1760	500	A
Aroclor 1221	ND		ug/kg	19800	1990	500	A
Aroclor 1232	ND		ug/kg	19800	4200	500	A
Aroclor 1242	ND		ug/kg	19800	2670	500	A
Aroclor 1248	ND		ug/kg	19800	2980	500	A
Aroclor 1254	38100		ug/kg	19800	2170	500	A
Aroclor 1260	ND		ug/kg	19800	3660	500	A
Aroclor 1262	ND		ug/kg	19800	2520	500	A
Aroclor 1268	ND		ug/kg	19800	2060	500	A
PCBs, Total	38100		ug/kg	19800	1760	500	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048453
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048453-04 D
Client ID: TP-5 3-3.5FT
Sample Location: BUFFALO, NY

Date Collected: 11/04/20 12:15
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/06/20 01:09
Analyst: JAW
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 11/05/20 13:41
Cleanup Method: EPA 3665A
Cleanup Date: 11/05/20
Cleanup Method: EPA 3660B
Cleanup Date: 11/05/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	3530	314.	100	A
Aroclor 1221	ND		ug/kg	3530	354.	100	A
Aroclor 1232	ND		ug/kg	3530	749.	100	A
Aroclor 1242	ND		ug/kg	3530	476.	100	A
Aroclor 1248	ND		ug/kg	3530	530.	100	A
Aroclor 1254	26800		ug/kg	3530	387.	100	A
Aroclor 1260	ND		ug/kg	3530	653.	100	A
Aroclor 1262	ND		ug/kg	3530	449.	100	A
Aroclor 1268	ND		ug/kg	3530	366.	100	A
PCBs, Total	26800		ug/kg	3530	314.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048453
Report Date: 11/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 11/05/20 22:32
Analyst: AD

Extraction Method: EPA 3546
Extraction Date: 11/05/20 13:41
Cleanup Method: EPA 3665A
Cleanup Date: 11/05/20
Cleanup Method: EPA 3660B
Cleanup Date: 11/05/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04 Batch: WG1430861-1						
Aroclor 1016	ND		ug/kg	31.5	2.80	A
Aroclor 1221	ND		ug/kg	31.5	3.16	A
Aroclor 1232	ND		ug/kg	31.5	6.69	A
Aroclor 1242	ND		ug/kg	31.5	4.25	A
Aroclor 1248	ND		ug/kg	31.5	4.73	A
Aroclor 1254	ND		ug/kg	31.5	3.45	A
Aroclor 1260	ND		ug/kg	31.5	5.83	A
Aroclor 1262	ND		ug/kg	31.5	4.01	A
Aroclor 1268	ND		ug/kg	31.5	3.27	A
PCBs, Total	ND		ug/kg	31.5	2.80	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	75		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048453
Report Date: 11/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1430861-2 WG1430861-3									
Aroclor 1016	72		72		40-140	0		50	A
Aroclor 1260	69		70		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		66		30-150	A
Decachlorobiphenyl	76		77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		59		30-150	B
Decachlorobiphenyl	74		74		30-150	B

METALS

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048453
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048453-01
Client ID: TP-1 1-2FT
Sample Location: BUFFALO, NY
Date Collected: 11/04/20 09:15
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	8.34		mg/kg	0.472	0.098	1	11/05/20 13:37	11/06/20 11:17	EPA 3050B	1,6010D	GD
Barium, Total	268		mg/kg	0.472	0.082	1	11/05/20 13:37	11/06/20 11:17	EPA 3050B	1,6010D	GD
Cadmium, Total	1.36		mg/kg	0.472	0.046	1	11/05/20 13:37	11/06/20 11:17	EPA 3050B	1,6010D	GD
Chromium, Total	58.9		mg/kg	0.472	0.045	1	11/05/20 13:37	11/06/20 11:17	EPA 3050B	1,6010D	GD
Lead, Total	350		mg/kg	2.36	0.126	1	11/05/20 13:37	11/06/20 11:17	EPA 3050B	1,6010D	GD
Mercury, Total	0.143		mg/kg	0.079	0.051	1	11/05/20 13:36	11/05/20 20:25	EPA 7471B	1,7471B	AL
Selenium, Total	0.373	J	mg/kg	0.945	0.122	1	11/05/20 13:37	11/06/20 11:17	EPA 3050B	1,6010D	GD
Silver, Total	0.510		mg/kg	0.472	0.134	1	11/05/20 13:37	11/06/20 11:17	EPA 3050B	1,6010D	GD

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048453
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048453-02
Client ID: TP-2 2.5-4FT
Sample Location: BUFFALO, NY
Date Collected: 11/04/20 10:30
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	3.67		mg/kg	0.420	0.087	1	11/05/20 13:37	11/06/20 11:23	EPA 3050B	1,6010D	GD
Barium, Total	53.2		mg/kg	0.420	0.073	1	11/05/20 13:37	11/06/20 11:23	EPA 3050B	1,6010D	GD
Cadmium, Total	0.546		mg/kg	0.420	0.041	1	11/05/20 13:37	11/06/20 11:23	EPA 3050B	1,6010D	GD
Chromium, Total	22.6		mg/kg	0.420	0.040	1	11/05/20 13:37	11/06/20 11:23	EPA 3050B	1,6010D	GD
Lead, Total	251		mg/kg	2.10	0.113	1	11/05/20 13:37	11/06/20 11:23	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.069	0.045	1	11/05/20 13:36	11/05/20 20:35	EPA 7471B	1,7471B	AL
Selenium, Total	0.109	J	mg/kg	0.841	0.108	1	11/05/20 13:37	11/06/20 11:23	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.420	0.119	1	11/05/20 13:37	11/06/20 11:23	EPA 3050B	1,6010D	GD

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048453
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048453-03
Client ID: TP-4 0.5-2FT
Sample Location: BUFFALO, NY
Date Collected: 11/04/20 11:00
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	40.3		mg/kg	2.28	0.474	5	11/05/20 13:37	11/06/20 11:28	EPA 3050B	1,6010D	GD
Barium, Total	106		mg/kg	2.28	0.396	5	11/05/20 13:37	11/06/20 11:28	EPA 3050B	1,6010D	GD
Cadmium, Total	11.5		mg/kg	2.28	0.223	5	11/05/20 13:37	11/06/20 11:28	EPA 3050B	1,6010D	GD
Chromium, Total	18600		mg/kg	2.28	0.219	5	11/05/20 13:37	11/06/20 11:28	EPA 3050B	1,6010D	GD
Lead, Total	473		mg/kg	11.4	0.610	5	11/05/20 13:37	11/06/20 11:28	EPA 3050B	1,6010D	GD
Mercury, Total	1.28		mg/kg	0.086	0.056	1	11/05/20 13:36	11/05/20 20:38	EPA 7471B	1,7471B	AL
Selenium, Total	2.64	J	mg/kg	4.55	0.587	5	11/05/20 13:37	11/06/20 11:28	EPA 3050B	1,6010D	GD
Silver, Total	2.28		mg/kg	2.28	0.644	5	11/05/20 13:37	11/06/20 11:28	EPA 3050B	1,6010D	GD

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048453
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048453-04
Client ID: TP-5 3-3.5FT
Sample Location: BUFFALO, NY
Date Collected: 11/04/20 12:15
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	4.10		mg/kg	0.414	0.086	1	11/05/20 13:37	11/06/20 11:32	EPA 3050B	1,6010D	GD
Barium, Total	52.3		mg/kg	0.414	0.072	1	11/05/20 13:37	11/06/20 11:32	EPA 3050B	1,6010D	GD
Cadmium, Total	0.732		mg/kg	0.414	0.041	1	11/05/20 13:37	11/06/20 11:32	EPA 3050B	1,6010D	GD
Chromium, Total	8.26		mg/kg	0.414	0.040	1	11/05/20 13:37	11/06/20 11:32	EPA 3050B	1,6010D	GD
Lead, Total	39.6		mg/kg	2.07	0.111	1	11/05/20 13:37	11/06/20 11:32	EPA 3050B	1,6010D	GD
Mercury, Total	0.091		mg/kg	0.076	0.050	1	11/05/20 13:36	11/05/20 20:42	EPA 7471B	1,7471B	AL
Selenium, Total	ND		mg/kg	0.827	0.107	1	11/05/20 13:37	11/06/20 11:32	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.414	0.117	1	11/05/20 13:37	11/06/20 11:32	EPA 3050B	1,6010D	GD

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048453
Report Date: 11/06/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1430798-1										
Arsenic, Total	ND		mg/kg	0.400	0.083	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Barium, Total	ND		mg/kg	0.400	0.070	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.400	0.039	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Chromium, Total	ND		mg/kg	0.400	0.038	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Lead, Total	ND		mg/kg	2.00	0.107	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Selenium, Total	ND		mg/kg	0.800	0.103	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Silver, Total	ND		mg/kg	0.400	0.113	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1430800-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/05/20 13:36	11/05/20 19:59	1,7471B	AL

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 315 GROVE STREET

Project Number: B0549-020-001

Lab Number: L2048453

Report Date: 11/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1430798-2 SRM Lot Number: D109-540								
Arsenic, Total	112		-		70-130	-		
Barium, Total	104		-		75-125	-		
Cadmium, Total	99		-		75-125	-		
Chromium, Total	106		-		70-130	-		
Lead, Total	108		-		72-128	-		
Selenium, Total	106		-		68-132	-		
Silver, Total	111		-		68-131	-		
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1430800-2 SRM Lot Number: D109-540								
Mercury, Total	109		-		60-140	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048453
Report Date: 11/06/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1430798-3 QC Sample: L2043841-04 Client ID: MS Sample												
Arsenic, Total	1.30	11	12.8	104		-	-		75-125	-		20
Barium, Total	19.9	184	203	100		-	-		75-125	-		20
Cadmium, Total	0.266J	4.68	4.85	104		-	-		75-125	-		20
Chromium, Total	8.36	18.4	31.9	**128**	Q	-	-		75-125	-		20
Lead, Total	4.06J	46.8	50.0	107		-	-		75-125	-		20
Selenium, Total	ND	11	10.2	92		-	-		75-125	-		20
Silver, Total	ND	27.6	27.1	98		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1430800-3 QC Sample: L2043841-04 Client ID: MS Sample												
Mercury, Total	ND	0.161	0.168	104		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048453
Report Date: 11/06/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1430798-4 QC Sample: L2043841-04 Client ID: DUP Sample						
Arsenic, Total	1.30	1.40	mg/kg	7		20
Barium, Total	19.9	21.1	mg/kg	6		20
Cadmium, Total	0.266J	0.261J	mg/kg	NC		20
Chromium, Total	8.36	8.63	mg/kg	3		20
Lead, Total	4.06J	4.01J	mg/kg	NC		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1430800-4 QC Sample: L2043841-04 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048453
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048453-01
Client ID: TP-1 1-2FT
Sample Location: BUFFALO, NY

Date Collected: 11/04/20 09:15
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.5		%	0.100	NA	1	-	11/05/20 08:58	121,2540G	RI

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048453
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048453-02
Client ID: TP-2 2.5-4FT
Sample Location: BUFFALO, NY

Date Collected: 11/04/20 10:30
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.0		%	0.100	NA	1	-	11/05/20 08:58	121,2540G	RI

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048453
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048453-03
Client ID: TP-4 0.5-2FT
Sample Location: BUFFALO, NY

Date Collected: 11/04/20 11:00
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.3		%	0.100	NA	1	-	11/05/20 08:58	121,2540G	RI

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048453
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048453-04
Client ID: TP-5 3-3.5FT
Sample Location: BUFFALO, NY

Date Collected: 11/04/20 12:15
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.0		%	0.100	NA	1	-	11/05/20 08:58	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048453
Report Date: 11/06/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1430637-1 QC Sample: L2048453-01 Client ID: TP-1 1-2FT						
Solids, Total	82.5	83.8	%	2		20

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048453
Report Date: 11/06/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2048453-01A	Vial Large Septa unpreserved (4oz)	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2048453-01B	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L2048453-01C	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		NYCP51-PAH(14),TS(7),NYTCL-8082(14)
L2048453-01X	Vial MeOH preserved split	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2048453-01Y	Vial Water preserved split	A	NA		2.7	Y	Absent	05-NOV-20 06:49	NYTCL-8260-R2(14)
L2048453-01Z	Vial Water preserved split	A	NA		2.7	Y	Absent	05-NOV-20 06:49	NYTCL-8260-R2(14)
L2048453-02A	Vial Large Septa unpreserved (4oz)	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2048453-02B	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2048453-02C	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		NYCP51-PAH(14),TS(7),NYTCL-8082(14)
L2048453-02X	Vial MeOH preserved split	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2048453-02Y	Vial Water preserved split	A	NA		2.7	Y	Absent	05-NOV-20 06:49	NYTCL-8260-R2(14)
L2048453-02Z	Vial Water preserved split	A	NA		2.7	Y	Absent	05-NOV-20 06:49	NYTCL-8260-R2(14)
L2048453-03A	Vial Large Septa unpreserved (4oz)	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2048453-03B	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L2048453-03C	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		NYCP51-PAH(14),TS(7),NYTCL-8082(14)
L2048453-03X	Vial MeOH preserved split	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2048453-03Y	Vial Water preserved split	A	NA		2.7	Y	Absent	05-NOV-20 06:49	NYTCL-8260-R2(14)
L2048453-03Z	Vial Water preserved split	A	NA		2.7	Y	Absent	05-NOV-20 06:49	NYTCL-8260-R2(14)
L2048453-04A	Vial Large Septa unpreserved (4oz)	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2048453-04B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048453
Report Date: 11/06/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2048453-04C	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		NYCP51-PAH(14),TS(7),NYTCL-8082(14)
L2048453-04X	Vial MeOH preserved split	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2048453-04Y	Vial Water preserved split	A	NA		2.7	Y	Absent	05-NOV-20 06:49	NYTCL-8260-R2(14)
L2048453-04Z	Vial Water preserved split	A	NA		2.7	Y	Absent	05-NOV-20 06:49	NYTCL-8260-R2(14)
L2048453-05A	Vial Large Septa unpreserved (4oz)	A	NA		2.7	Y	Absent		HOLD-8260(14)
L2048453-05B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		HOLD-METAL(180),HOLD-HG(28)
L2048453-05C	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		HOLD-8270(14),HOLD-8082(14)

*Values in parentheses indicate holding time in days

Project Name:	315 GROVE STREET	**Lab Number:**	L2048453
Project Number:	B0549-020-001	**Report Date:**	11/06/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	315 GROVE STREET	**Lab Number:**	L2048453
Project Number:	B0549-020-001	**Report Date:**	11/06/20

Footnotes

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

Terms

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

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

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

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

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

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

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

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

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

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers

Project Name:	315 GROVE STREET	**Lab Number:**	L2048453
Project Number:	B0549-020-001	**Report Date:**	11/06/20

Data Qualifiers

the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name:	315 GROVE STREET	**Lab Number:**	L2048453
Project Number:	B0549-020-001	**Report Date:**	11/06/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

Serial_No:11062016:03

ALPHA ANALYTICAL — NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page ___ of ___

Date Rec'd in Lab: 11/05/20

ALPHA Job #: L2048453

Westborough, MA 01581, 8 Walkup Dr., TEL: 508-898-9220, FAX: 508-898-9193
Mansfield, MA 02048, 320 Forbes Blvd, TEL: 508-822-9300, FAX: 508-822-3288

Project Information
Project Name: 315 Grote Street
Project Location: Buffalo, NY
Project # B0549-020-001
(Use Project name as Project #) ☐
Project Manager: Chris Boron / Candace Fox
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 2 day

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility: ☐ NJ ☐ NY
☐ Other:

Client Information
Client: Benchmark Ces
Address: 2558 Hamburg TPke, Buffalo, NY, 14218
Phone: 716-713-3437
Fax:
Email: CBoron@BM-TK.com

These samples have been previously analyzed by Alpha ☐
Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS: TCL VOC's; RCRA (Metals); PCB's; ~~[struck]~~; CP-51 SVOC's

Sample Filtration: ☐ Done ☐ Lab to do
Preservation: ☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC's	RCRA (Metals)	PCB's		CP-51 SVOC's	Sample Specific Comments	Total Bottles
48453-01	TP-1 1-2 Ft	11/4/20	9:15	Soil	NAS	X	X	X		X		3
-02	TP-2 2.5-4 Ft	↓	10:30	↓	↓	X	X	X		X		3
-03	TP-4 0.5-2 Ft	↓	11:00	↓	↓	X	X	X		X		3
-04	TP-5 3-3.5 Ft	↓	12:15	↓	↓	X	X	X		X		3
-05	TP-5 6 Ft	↓	12:30	↓	↓						On hold	3
Container Type						A	A	A		A		
Preservative						O	O	O		O		

Preservative Code: A = None, B = HCl, C = HNO_3, D = H_2SO_4, E = NaOH, F = MeOH, G = $NaHSO_4$, H = $Na_2S_2O_3$, K/E = Zn Ac/NaOH, O = Other - ice

Container Code: P = Plastic, A = Amber Glass, V = Vial, G = Glass, B = Bacteria Cup, C = Cube, O = Other, E = Encore, D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	11/4/20 15:50	R Cunningham AAL	11/4/20 16:10
R Cunningham AAL	11/4/20 16:10	[signature]	11/5/20 01:30

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

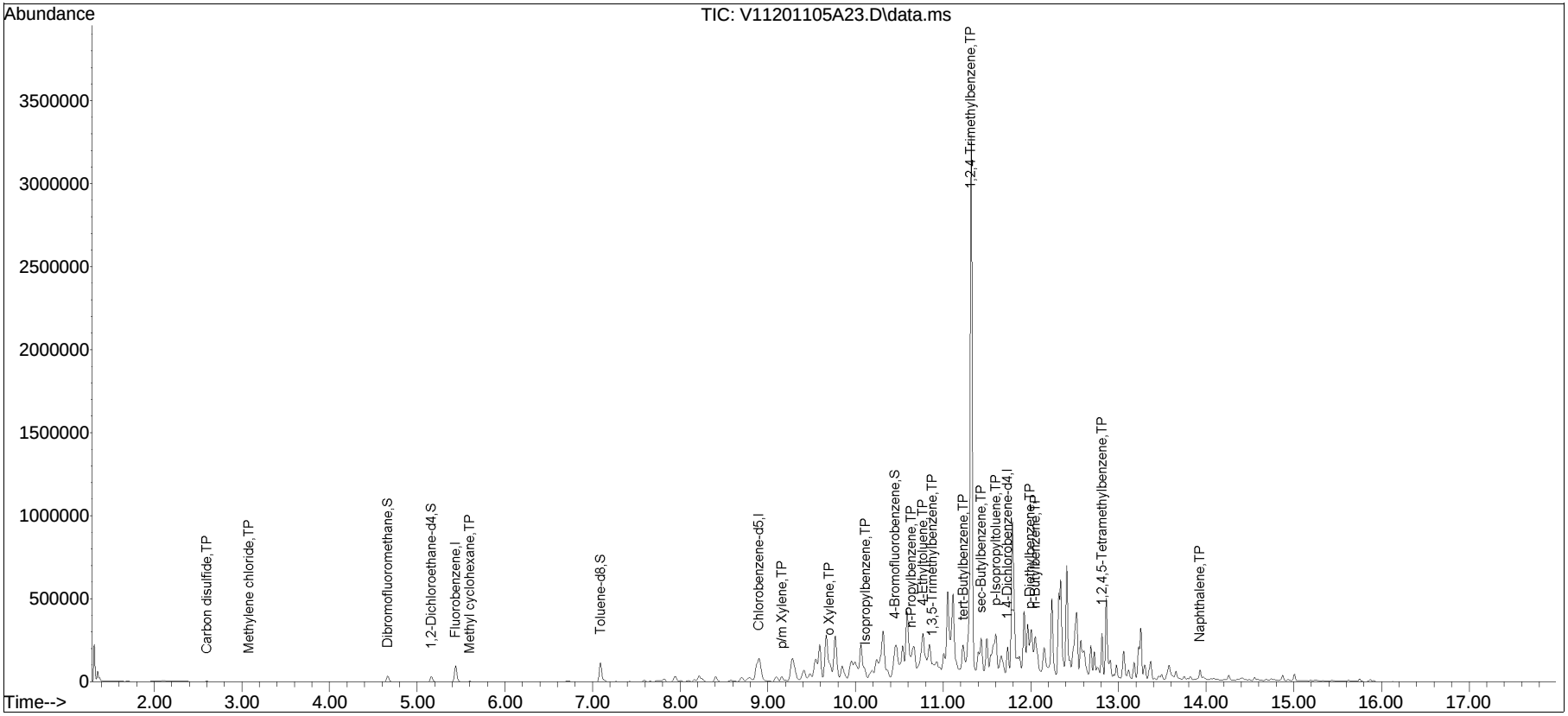
Form No: 01-25 HC (rev. 30-Sept-2013)

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2020\201105A\
Data File : V11201105A23.D
Acq On : 05 Nov 2020 02:32 pm
Operator : VOA111:MKS
Sample : l2048453-04,31H,5.11,5,0.100,,x
Misc : WG1430918,ICAL17294
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 05 15:32:52 2020
Quant Method : I:\VOLATILES\VOA111\2020\201105A\V111_201028P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 29 12:26:02 2020
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox5A\V11201105A01.D•



ANALYTICAL REPORT

Lab Number:	L2048464
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Chris Boron
Phone:	(716) 856-0599
Project Name:	315 GROVE STREET
Project Number:	B0549-020-001
Report Date:	11/06/20

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

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

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048464
Report Date: 11/06/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2048464-01	UST PRODUCT	OIL	BUFFALO, NY	11/04/20 13:00	11/04/20

Project Name:	315 GROVE STREET	**Lab Number:**	L2048464
Project Number:	B0549-020-001	**Report Date:**	11/06/20

Case Narrative

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

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

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

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

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

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

Project Name:	315 GROVE STREET	**Lab Number:**	L2048464
Project Number:	B0549-020-001	**Report Date:**	11/06/20

Case Narrative (continued)

Report Submission

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

Volatile Organics

L2048464-01: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (170%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

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

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 11/06/20

ORGANICS

VOLATILES

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048464
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048464-01 D
Client ID: UST PRODUCT
Sample Location: BUFFALO, NY

Date Collected: 11/04/20 13:00
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Oil
Analytical Method: 1,8260C
Analytical Date: 11/05/20 13:03
Analyst: AD
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	24000	11000	10
1,1-Dichloroethane	ND		ug/kg	4800	690	10
Chloroform	ND		ug/kg	7100	670	10
Carbon tetrachloride	ND		ug/kg	4800	1100	10
1,2-Dichloropropane	ND		ug/kg	4800	600	10
Dibromochloromethane	ND		ug/kg	4800	670	10
1,1,2-Trichloroethane	ND		ug/kg	4800	1300	10
Tetrachloroethene	ND		ug/kg	2400	930	10
Chlorobenzene	ND		ug/kg	2400	600	10
Trichlorofluoromethane	ND		ug/kg	19000	3300	10
1,2-Dichloroethane	ND		ug/kg	4800	1200	10
1,1,1-Trichloroethane	ND		ug/kg	2400	800	10
Bromodichloromethane	ND		ug/kg	2400	520	10
trans-1,3-Dichloropropene	ND		ug/kg	4800	1300	10
cis-1,3-Dichloropropene	ND		ug/kg	2400	750	10
Bromoform	ND		ug/kg	19000	1200	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	2400	790	10
Benzene	15000		ug/kg	2400	790	10
Toluene	200000		ug/kg	4800	2600	10
Ethylbenzene	150000		ug/kg	4800	670	10
Chloromethane	ND		ug/kg	19000	4400	10
Bromomethane	ND		ug/kg	9500	2800	10
Vinyl chloride	ND		ug/kg	4800	1600	10
Chloroethane	ND		ug/kg	9500	2200	10
1,1-Dichloroethene	ND		ug/kg	4800	1100	10
trans-1,2-Dichloroethene	ND		ug/kg	7100	650	10
Trichloroethene	ND		ug/kg	2400	650	10
1,2-Dichlorobenzene	ND		ug/kg	9500	680	10

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048464
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048464-01 D
Client ID: UST PRODUCT
Sample Location: BUFFALO, NY
Date Collected: 11/04/20 13:00
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	9500	700	10
1,4-Dichlorobenzene	ND		ug/kg	9500	810	10
Methyl tert butyl ether	ND		ug/kg	9500	960	10
p/m-Xylene	820000		ug/kg	9500	2700	10
o-Xylene	430000		ug/kg	4800	1400	10
cis-1,2-Dichloroethene	ND		ug/kg	4800	830	10
Styrene	ND		ug/kg	4800	930	10
Dichlorodifluoromethane	ND		ug/kg	48000	4400	10
Acetone	ND		ug/kg	48000	23000	10
Carbon disulfide	ND		ug/kg	48000	22000	10
2-Butanone	ND		ug/kg	48000	10000	10
4-Methyl-2-pentanone	ND		ug/kg	48000	6100	10
2-Hexanone	ND		ug/kg	48000	5600	10
Bromochloromethane	ND		ug/kg	9500	980	10
1,2-Dibromoethane	ND		ug/kg	4800	1300	10
1,2-Dibromo-3-chloropropane	ND		ug/kg	14000	4800	10
Isopropylbenzene	100000		ug/kg	4800	520	10
1,2,3-Trichlorobenzene	ND		ug/kg	9500	1500	10
1,2,4-Trichlorobenzene	ND		ug/kg	9500	1300	10
Methyl Acetate	ND		ug/kg	19000	4500	10
Cyclohexane	41000	J	ug/kg	48000	2600	10
1,4-Dioxane	ND		ug/kg	380000	170000	10
Freon-113	ND		ug/kg	19000	3300	10
Methyl cyclohexane	260000		ug/kg	19000	2900	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	**170**	Q	70-130
Dibromofluoromethane	94		70-130

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048464
Report Date: 11/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/05/20 06:37
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1430891-5					
Methylene chloride	ND		ug/kg	2500	1100
1,1-Dichloroethane	ND		ug/kg	500	72.
Chloroform	ND		ug/kg	750	70.
Carbon tetrachloride	ND		ug/kg	500	120
1,2-Dichloropropane	ND		ug/kg	500	62.
Dibromochloromethane	ND		ug/kg	500	70.
1,1,2-Trichloroethane	ND		ug/kg	500	130
Tetrachloroethene	ND		ug/kg	250	98.
Chlorobenzene	ND		ug/kg	250	64.
Trichlorofluoromethane	ND		ug/kg	2000	350
1,2-Dichloroethane	ND		ug/kg	500	130
1,1,1-Trichloroethane	ND		ug/kg	250	84.
Bromodichloromethane	ND		ug/kg	250	54.
trans-1,3-Dichloropropene	ND		ug/kg	500	140
cis-1,3-Dichloropropene	ND		ug/kg	250	79.
Bromoform	ND		ug/kg	2000	120
1,1,2,2-Tetrachloroethane	ND		ug/kg	250	83.
Benzene	ND		ug/kg	250	83.
Toluene	ND		ug/kg	500	270
Ethylbenzene	ND		ug/kg	500	70.
Chloromethane	ND		ug/kg	2000	470
Bromomethane	ND		ug/kg	1000	290
Vinyl chloride	ND		ug/kg	500	170
Chloroethane	ND		ug/kg	1000	230
1,1-Dichloroethene	ND		ug/kg	500	120
trans-1,2-Dichloroethene	ND		ug/kg	750	68.
Trichloroethene	ND		ug/kg	250	68.
1,2-Dichlorobenzene	ND		ug/kg	1000	72.
1,3-Dichlorobenzene	ND		ug/kg	1000	74.

Project Name: 315 GROVE STREET **Lab Number:** L2048464

Project Number: B0549-020-001 **Report Date:** 11/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/05/20 06:37
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1430891-5					
1,4-Dichlorobenzene	ND		ug/kg	1000	86.
Methyl tert butyl ether	ND		ug/kg	1000	100
p/m-Xylene	ND		ug/kg	1000	280
o-Xylene	ND		ug/kg	500	140
cis-1,2-Dichloroethene	ND		ug/kg	500	88.
Styrene	ND		ug/kg	500	98.
Dichlorodifluoromethane	ND		ug/kg	5000	460
Acetone	ND		ug/kg	5000	2400
Carbon disulfide	ND		ug/kg	5000	2300
2-Butanone	ND		ug/kg	5000	1100
4-Methyl-2-pentanone	ND		ug/kg	5000	640
2-Hexanone	ND		ug/kg	5000	590
Bromochloromethane	ND		ug/kg	1000	100
1,2-Dibromoethane	ND		ug/kg	500	140
1,2-Dibromo-3-chloropropane	ND		ug/kg	1500	500
Isopropylbenzene	ND		ug/kg	500	54.
1,2,3-Trichlorobenzene	ND		ug/kg	1000	160
1,2,4-Trichlorobenzene	ND		ug/kg	1000	140
Methyl Acetate	ND		ug/kg	2000	480
Cyclohexane	ND		ug/kg	5000	270
1,4-Dioxane	ND		ug/kg	40000	18000
Freon-113	ND		ug/kg	2000	350
Methyl cyclohexane	ND		ug/kg	2000	300

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048464
Report Date: 11/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/05/20 06:37
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1430891-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 315 GROVE STREET

Project Number: B0549-020-001

Lab Number: L2048464

Report Date: 11/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1430891-3 WG1430891-4								
Methylene chloride	88		85		70-130	3		30
1,1-Dichloroethane	95		91		70-130	4		30
Chloroform	90		87		70-130	3		30
Carbon tetrachloride	88		86		70-130	2		30
1,2-Dichloropropane	94		92		70-130	2		30
Dibromochloromethane	87		85		70-130	2		30
1,1,2-Trichloroethane	94		93		70-130	1		30
Tetrachloroethene	90		88		70-130	2		30
Chlorobenzene	89		88		70-130	1		30
Trichlorofluoromethane	86		81		70-139	6		30
1,2-Dichloroethane	92		90		70-130	2		30
1,1,1-Trichloroethane	87		86		70-130	1		30
Bromodichloromethane	86		86		70-130	0		30
trans-1,3-Dichloropropene	96		94		70-130	2		30
cis-1,3-Dichloropropene	91		91		70-130	0		30
Bromoform	93		91		70-130	2		30
1,1,2,2-Tetrachloroethane	97		96		70-130	1		30
Benzene	92		90		70-130	2		30
Toluene	94		92		70-130	2		30
Ethylbenzene	93		92		70-130	1		30
Chloromethane	68		63		52-130	8		30
Bromomethane	109		106		57-147	3		30
Vinyl chloride	80		75		67-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 315 GROVE STREET

Project Number: B0549-020-001

Lab Number: L2048464

Report Date: 11/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1430891-3 WG1430891-4								
Chloroethane	89		84		50-151	6		30
1,1-Dichloroethene	90		85		65-135	6		30
trans-1,2-Dichloroethene	93		89		70-130	4		30
Trichloroethene	89		87		70-130	2		30
1,2-Dichlorobenzene	92		91		70-130	1		30
1,3-Dichlorobenzene	95		93		70-130	2		30
1,4-Dichlorobenzene	94		92		70-130	2		30
Methyl tert butyl ether	92		88		66-130	4		30
p/m-Xylene	92		91		70-130	1		30
o-Xylene	90		90		70-130	0		30
cis-1,2-Dichloroethene	92		89		70-130	3		30
Styrene	91		90		70-130	1		30
Dichlorodifluoromethane	59		55		30-146	7		30
Acetone	84		84		54-140	0		30
Carbon disulfide	81		78		59-130	4		30
2-Butanone	81		76		70-130	6		30
4-Methyl-2-pentanone	91		87		70-130	4		30
2-Hexanone	84		82		70-130	2		30
Bromochloromethane	89		86		70-130	3		30
1,2-Dibromoethane	93		91		70-130	2		30
1,2-Dibromo-3-chloropropane	87		88		68-130	1		30
Isopropylbenzene	100		99		70-130	1		30
1,2,3-Trichlorobenzene	93		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048464
Report Date: 11/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1430891-3 WG1430891-4								
1,2,4-Trichlorobenzene	97		97		70-130	0		30
Methyl Acetate	77		75		51-146	3		30
Cyclohexane	91		89		59-142	2		30
1,4-Dioxane	97		83		65-136	16		30
Freon-113	93		88		50-139	6		30
Methyl cyclohexane	93		92		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		102		70-130
Toluene-d8	106		105		70-130
4-Bromofluorobenzene	109		109		70-130
Dibromofluoromethane	98		100		70-130

PCBS

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048464
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048464-01
Client ID: UST PRODUCT
Sample Location: BUFFALO, NY

Date Collected: 11/04/20 13:00
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Oil
Analytical Method: 1,8082A
Analytical Date: 11/05/20 18:34
Analyst: CW
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Extraction Method: EPA 3580A
Extraction Date: 11/05/20 13:59
Cleanup Method: EPA 3665A
Cleanup Date: 11/05/20
Cleanup Method: EPA 3660B
Cleanup Date: 11/05/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	1.39	0.352	1	A
Aroclor 1221	ND		mg/kg	1.39	0.352	1	A
Aroclor 1232	ND		mg/kg	1.39	0.352	1	A
Aroclor 1242	ND		mg/kg	1.39	0.352	1	A
Aroclor 1248	ND		mg/kg	1.39	0.352	1	A
Aroclor 1254	ND		mg/kg	1.39	0.352	1	A
Aroclor 1260	ND		mg/kg	1.39	0.352	1	A
Aroclor 1262	ND		mg/kg	1.39	0.352	1	A
Aroclor 1268	ND		mg/kg	1.39	0.352	1	A
PCBs, Total	ND		mg/kg	1.39	0.352	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	113		30-150	A
Decachlorobiphenyl	109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048464
Report Date: 11/06/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 11/05/20 18:48
Analyst: CW

Extraction Method: EPA 3580A
Extraction Date: 11/05/20 13:59
Cleanup Method: EPA 3665A
Cleanup Date: 11/05/20
Cleanup Method: EPA 3660B
Cleanup Date: 11/05/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1430866-1						
Aroclor 1016	ND		mg/kg	1.31	0.332	A
Aroclor 1221	ND		mg/kg	1.31	0.332	A
Aroclor 1232	ND		mg/kg	1.31	0.332	A
Aroclor 1242	ND		mg/kg	1.31	0.332	A
Aroclor 1248	ND		mg/kg	1.31	0.332	A
Aroclor 1254	ND		mg/kg	1.31	0.332	A
Aroclor 1260	ND		mg/kg	1.31	0.332	A
Aroclor 1262	ND		mg/kg	1.31	0.332	A
Aroclor 1268	ND		mg/kg	1.31	0.332	A
PCBs, Total	ND		mg/kg	1.31	0.332	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	74		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 315 GROVE STREET

Project Number: B0549-020-001

Lab Number: L2048464

Report Date: 11/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1430866-2 WG1430866-3									
Aroclor 1016	89		81		40-140	9		50	A
Aroclor 1260	80		72		40-140	11		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		77		30-150	A
Decachlorobiphenyl	77		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		74		30-150	B
Decachlorobiphenyl	72		61		30-150	B

METALS

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048464
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048464-01
Client ID: UST PRODUCT
Sample Location: BUFFALO, NY
Date Collected: 11/04/20 13:00
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Oil
Percent Solids: Results are reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.797	J	mg/kg	1.45	0.301	1	11/06/20 05:30	11/06/20 13:15	EPA 3050B	1,6010D	GD
Barium, Total	3.93		mg/kg	1.45	0.252	1	11/06/20 05:30	11/06/20 13:15	EPA 3050B	1,6010D	GD
Cadmium, Total	ND		mg/kg	1.45	0.142	1	11/06/20 05:30	11/06/20 13:15	EPA 3050B	1,6010D	GD
Chromium, Total	0.580	J	mg/kg	1.45	0.139	1	11/06/20 05:30	11/06/20 13:15	EPA 3050B	1,6010D	GD
Lead, Total	20.3		mg/kg	7.25	0.388	1	11/06/20 05:30	11/06/20 13:15	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.072	0.047	1	11/06/20 10:00	11/06/20 11:43	EPA 7471B	1,7471B	EW
Selenium, Total	ND		mg/kg	2.90	0.374	1	11/06/20 05:30	11/06/20 13:15	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	1.45	0.410	1	11/06/20 05:30	11/06/20 13:15	EPA 3050B	1,6010D	GD

Project Name: 315 GROVE STREET
Project Number: B0549-020-001
Lab Number: L2048464
Report Date: 11/06/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1430435-1										
Arsenic, Total	ND		mg/kg	2.00	0.416	1	11/06/20 05:30	11/06/20 12:52	1,6010D	GD
Barium, Total	ND		mg/kg	2.00	0.348	1	11/06/20 05:30	11/06/20 12:52	1,6010D	GD
Cadmium, Total	ND		mg/kg	2.00	0.196	1	11/06/20 05:30	11/06/20 12:52	1,6010D	GD
Chromium, Total	0.440	J	mg/kg	2.00	0.192	1	11/06/20 05:30	11/06/20 12:52	1,6010D	GD
Lead, Total	ND		mg/kg	10.0	0.536	1	11/06/20 05:30	11/06/20 12:52	1,6010D	GD
Selenium, Total	ND		mg/kg	4.00	0.516	1	11/06/20 05:30	11/06/20 12:52	1,6010D	GD
Silver, Total	ND		mg/kg	2.00	0.566	1	11/06/20 05:30	11/06/20 12:52	1,6010D	GD

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1430436-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/06/20 10:00	11/06/20 11:23	1,7471B	EW

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048464
Report Date: 11/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1430435-2								
Arsenic, Total	104		-		79-121	-		
Barium, Total	100		-		83-117	-		
Cadmium, Total	101		-		83-117	-		
Chromium, Total	97		-		80-120	-		
Lead, Total	102		-		81-117	-		
Selenium, Total	98		-		78-122	-		
Silver, Total	96		-		75-124	-		
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1430436-2								
Mercury, Total	108		-		72-128	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048464
Report Date: 11/06/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1430435-3 QC Sample: L2047695-01 Client ID: MS Sample												
Arsenic, Total	ND	40	41.1	103		-	-		75-125	-		20
Barium, Total	4.21	667	665	99		-	-		75-125	-		20
Cadmium, Total	ND	17	16.8	99		-	-		75-125	-		20
Chromium, Total	4.88	66.7	65.6	91		-	-		75-125	-		20
Lead, Total	3.19J	170	172	101		-	-		75-125	-		20
Selenium, Total	0.739J	40	38.7	97		-	-		75-125	-		20
Silver, Total	ND	100	95.6	96		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1430436-3 QC Sample: L2047695-01 Client ID: MS Sample												
Mercury, Total	ND	0.143	0.129	90		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048464
Report Date: 11/06/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1430435-4 QC Sample: L2047695-01 Client ID: DUP Sample						
Arsenic, Total	ND	ND	mg/kg	NC		20
Barium, Total	4.21	4.34	mg/kg	3		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	4.88	2.72	mg/kg	**57**	Q	20
Lead, Total	3.19J	3.39J	mg/kg	NC		20
Selenium, Total	0.739J	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1430436-4 QC Sample: L2047695-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048464
Report Date: 11/06/20

SAMPLE RESULTS

Lab ID: L2048464-01
Client ID: UST PRODUCT
Sample Location: BUFFALO, NY

Date Collected: 11/04/20 13:00
Date Received: 11/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Oil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Flash Point	>150		deg F	70	NA	1	-	11/05/20 14:58	1,1010A	AG

Lab Control Sample Analysis

Batch Quality Control

Project Name: 315 GROVE STREET

Project Number: B0549-020-001

Lab Number: L2048464

Report Date: 11/06/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1430889-1								
Flash Point	100		-		96-104	-		

Project Name: 315 GROVE STREET
Project Number: B0549-020-001

Lab Number: L2048464
Report Date: 11/06/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2048464-01A	Vial unpreserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2048464-01A1	Vial MeOH preserved split	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2048464-01B	Vial unpreserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2048464-01C	Vial unpreserved	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2048464-01D	Glass 250ml/8oz unpreserved	A	NA		2.5	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L2048464-01E	Plastic 250ml unpreserved	A	NA		2.5	Y	Absent		NYTCL-8082-2PPM(14)
L2048464-01F	Plastic 250ml unpreserved	A	NA		2.5	Y	Absent		NYTCL-8082-2PPM(14)
L2048464-01G	Plastic 250ml unpreserved	A	NA		2.5	Y	Absent		NYTCL-8082-2PPM(14)
L2048464-01H	Plastic 250ml unpreserved	A	NA		2.5	Y	Absent		NYTCL-8082-2PPM(14)
L2048464-01I	Amber 100ml unpreserved	A	NA		2.5	Y	Absent		FLASH()
L2048464-01J	Amber 100ml unpreserved	A	NA		2.5	Y	Absent		FLASH()

*Values in parentheses indicate holding time in days

Project Name:	315 GROVE STREET	**Lab Number:**	L2048464
Project Number:	B0549-020-001	**Report Date:**	11/06/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

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Footnotes

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

Terms

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

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

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

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

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

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

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

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

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

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers

Project Name:	315 GROVE STREET	**Lab Number:**	L2048464
Project Number:	B0549-020-001	**Report Date:**	11/06/20

Data Qualifiers

the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	315 GROVE STREET	**Lab Number:**	L2048464
Project Number:	B0549-020-001	**Report Date:**	11/06/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 11/05/20

ALPHA Job #: L2048764

Client Information

Client: Benchmark Eees
Address: 2558 Hamburg Pke
Buffalo, NY
Phone: 716-713-3437
Fax:
Email: CBoron@BM-Tk.com

Project Information

Project Name: 315 Ohio Street
Project Location: Buffalo, NY
Project #: B0549-020-001
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date: 2 days
Rush (only if pre approved) ☒ # of Days: 2 day

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Analyze Product/oil only

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC's	RCRA 8 Metals	PCB's	Flash Point					Total Bottle	Sample Specific Comments
54764-01	UST Product	11/4/20	13:00	oil/water	NHS	X	X	X	X					7	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other — 14

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V	P	P	A						
Preservative	B	O	O	O						

Relinquished By:	Date/Time	Received By:	Date/Time
R Cunningham AAL	11/4/20 16:10	R Cunningham AAL	11/4/20 16:10
			11/5/20 01:30

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA100\2020\201105A\
Data File : V00201105A19.D
Acq On : 5 Nov 2020 1:03 pm
Operator : VOA100:AD
Sample : L2048464-01D,31,1.05,10,0.010,,A1
Misc : WG1430891,ICAL17163
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 05 14:44:08 2020
Quant Method : I:\VOLATILES\VOA100\2020\201105A\V100_200924_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 24 17:46:36 2020
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox5A\V00201105A01.D•