February 16, 2023

Mr. John Miller, P.E.
NYSDEC
Division of Environmental Remediation
625 Broadway, 11th Floor
Albany, NY 12233-7014
sent via john.miller@dec.ny.gov

Re: January 2023 Soil Boring Investigations and CAMP Results
Future Love Road Development Site (BCP Site C314113)
Poughkeepsie, Dutchess County, New York
LaBella Job #81434.00

Dear Mr. Miller,

On behalf of Guardian Self Storage East LLC, LaBella Associates, D.P.C. ("LaBella") presents this summary of recent investigation activities at the above-noted site (the Site). The January 2023 boring installation work was conducted to support redevelopment planning and design prior to the anticipated start of construction in the summer of 2023.

In support of planned redevelopment of this brownfield site, the 20 borings were installed and LaBella conducted soil screening with a photoionization detector (PID) for volatile organic compound (VOC), select soil and groundwater sampling for laboratory analysis, and air monitoring as noted, consistent with our work plans dated January 10 and 17, 2023.

Sampling Beneath Foundations

Sampling: The owner's contractor cut through the two building foundation slabs prior to soil boring installation. On the afternoon of January 11, 2023, hand tools were used to install and sample shallow borings SB-01 through SB-10 as shown on the attached figure.

Borings were extended into the top few feet of soil with depths ranging to 3 feet below the foundation. These depths approximately correlate to the anticipated excavation depth for the planned building's basement, the design of which is being evaluated using the information gathered in this investigation. LaBella logged soil conditions, screened soil for evidence of impacts including using a PID, and collected one composite sample from each foundation area for waste characterization analyses (LR-COMP-01 from the southern foundation, and LR-COMP-02 from the northern foundation).

- Southern foundation: Six borings (SB-01 through SB-06) were advanced to 2.5 to 3 feet beneath the foundation floor. Sampling depths were limited by cobbles. One location (SB-06) encountered groundwater at 2.5 ft. Coal/ash, brick, and concrete were observed in one location (SB-03). No signs of impacts were noted in the borings. One sample was collected for waste characterization, which included a grab sample for total VOCs and a composite for remaining analyses.
- Northern foundation: Four borings (SB-07 through SB-10) were advanced to 2 to 3 feet beneath the foundation floor. Sampling depth was limited by boulders (SB-10). Groundwater that was encountered in the four locations between 1.5 and 2.5 feet beneath the top of the slab. Evidence of impacts noted in the four borings included odor, grey staining, PID readings between 54 and 163 ppm, and a sheen was noted on groundwater. One sample was collected for waste characterization, which included a grab sample for total VOCs and a composite for remaining analyses. Residual nuisance conditions observed in northern foundation borings

included PID readings ranging from 54 to 163 ppm, and odor and sheen observed on soil, which was conveyed to NYSDEC. On January 12, 2023, we returned to the site and collected a groundwater sample from the boring that exhibited the highest PID reading (SB-08).

Soil Sampling Results: Analytical results were less than 6 NYCRR Part 375 Commercial Use Soil Cleanup Objectives (CUSCOs) and were also generally non-detect. Some metals were detected but were less than the CUSCOs. Results were also noted to be less than the Protection of Groundwater SCOs. The results also indicate that if these soils are planned for off-Site disposal, that they would be non-hazardous.

Groundwater Sampling Results: Concentrations of four petroleum range VOCs (benzene, ethylbenzene, isopropylbenzene, and n-Propylbenzene) slightly exceeded the NYSDEC TOGS 1.1.1 ambient groundwater standards (AWQS). The reporting limit for total selenium was greater than the AWQS and the dissolved selenium concentration exceeded the AWQS, but selenium is not considered a Site contaminant. Remaining results were less than AWQS and were also generally non-detect.

Air Monitoring: Given the limited disturbance of soil using hand tools to sample beneath concrete slabs within foundation walls that extended 8 to 10 feet below grade, we collected periodic VOC readings using a RAE Systems MiniRAE 3000 PID and particulate readings using a TSI DustTrak Model 8530. Periodic readings were collected upwind, in the work zone areas, and downgradient of the work zone. No exceedances of action thresholds noted. PID readings were 0.0 ppm in up and downwind locations, and ranged from 0.5 to 0.7 ppm in the work zone. Particulate readings were 0.000 to 0.001 mg/m^3 in the up and down wind locations, and 0.001 to 0.003 mg/m^3 in the work zone.

Sampling Outside Foundations

Sampling: Following the discovery of nuisance impacts beneath the northern foundation slab, additional borings were installed outside this foundation. On January 24, the owner's drilling contractor installed borings SB-11 through SB-20 around the building foundation slabs as shown on the attached figure.

Seven of the ten borings were extended to 20 feet below ground surface (bgs) with three 10-foot deep borings installed on the low side of the existing retaining walls. These depths approximately correlate to the possible excavation depth for the planned building's basement, the design of which is being evaluated using the information gathered in this investigation. LaBella logged soil conditions, screened soil for evidence of impacts including using a PID. Limited soil sampling was conducted as described below.

Soil did not exhibit evidence of nuisance conditions in the top 10 feet of borings installed on the high side of the retaining wall, with some locations extending to 11 or 12 feet without notable nuisance conditions. On the low side of the retaining wall, residual nuisance conditions were only noted in one of these three borings (SB-18) at the groundwater interface. Nuisance conditions noted in the borings included odor and grey staining, with PID readings of these soils ranging from 20 to 630 ppm. To assess the range of soil quality that may be encountered during excavation, soil samples were collected from three locations with residual nuisance conditions: Sample LR-SB-16(13-14ft) exhibited a PID reading of 620 ppm; Sample LR-SB-17(11-13ft) exhibited a PID reading of 100 ppm; and Sample LR-SB-18(5-7ft) exhibited a PID reading of 66 ppm. These samples were analyzed for CP-51 VOCs and CP-51 SVOCs.

On the high side of the existing retaining walls, groundwater was generally encountered between 14 and 15 feet bgs, with groundwater in one boring encountered at 12 feet bgs. Groundwater in the three borings installed on the low side of the existing retaining walls was encountered at 5 feet bgs.

Soil Sampling Results: Analytical results for CP-51 VOCs and CP-51 SVOCs were less than CUSCOs and were also generally non-detect or reported at low level concentrations. Results were also noted to be

less than the Protection of Groundwater SCOs. Results were consistent with field observations, in that the sample with the lowest PID reading reported the lowest concentrations, and the sample with the highest PID reading reported higher concentrations.

Air Monitoring: Three fixed CAMP monitoring stations, each consisting of a RAE Systems MiniRAE 3000 PID and a TSI DustTrak Model 8530 particulate meter in a protective casing. were established with an upwind station, a work zone station, and a downwind station. The upwind and work zone stations were moved twice during the day as appropriate relative to the work area location. These instruments recorded continuously throughout the workday and data were spot checked periodically. No exceedances of action thresholds noted in the SMP were noted as shown on the charts (attached).

Conclusions

A soil boring program was implemented in January 2023 to gather data to support redevelopment planning and design prior to the anticipated start of construction in the summer of 2023. Borings were installed and sampled beneath existing building foundation remnants and subsequently around the northern foundation where some nuisance impacts were noted.

Analytical results were less than 6 NYCRR Part 375 Commercial Use Soil Cleanup Objectives (CUSCOs) and were also generally non-detect. Some metals were detected but were less than the CUSCOs. Results were also noted to be less than the Protection of Groundwater SCOs. The results of analyses for soil beneath the foundations indicate that if these soils are planned for off-Site disposal, that they would be non-hazardous. The results do not indicate impacts that warrant remediation for the planned property use as a self-storage facility.

Groundwater sample concentrations of four petroleum range VOCs slightly exceeded the AWQS. The reporting limit for total selenium was greater than the AWQS and the dissolved selenium concentration exceeded the AWQS, but selenium is not considered a Site contaminant. Remaining results were less than AWQS and were also generally non-detect.

The week of March 27, the owner would like to demolish the foundation walls and stage the concrete on site, but leave the foundation slab/floors in place. Based on analytical results and the field observations that did not encounter impacts at depths shallower than the foundation floor, the owner requests permission to conduct the wall demolition without CAMP monitoring. We look forward to your input on this approach so that we can prepare the associated work plan.

To inform the building design decisions and the preparation of the Excavation Work Plan, we request NYSDEC approval to reuse excavated soil on the site as fill material that would be placed beneath cover.

If you have questions please do not hesitate to contact me at 518-260-1811.

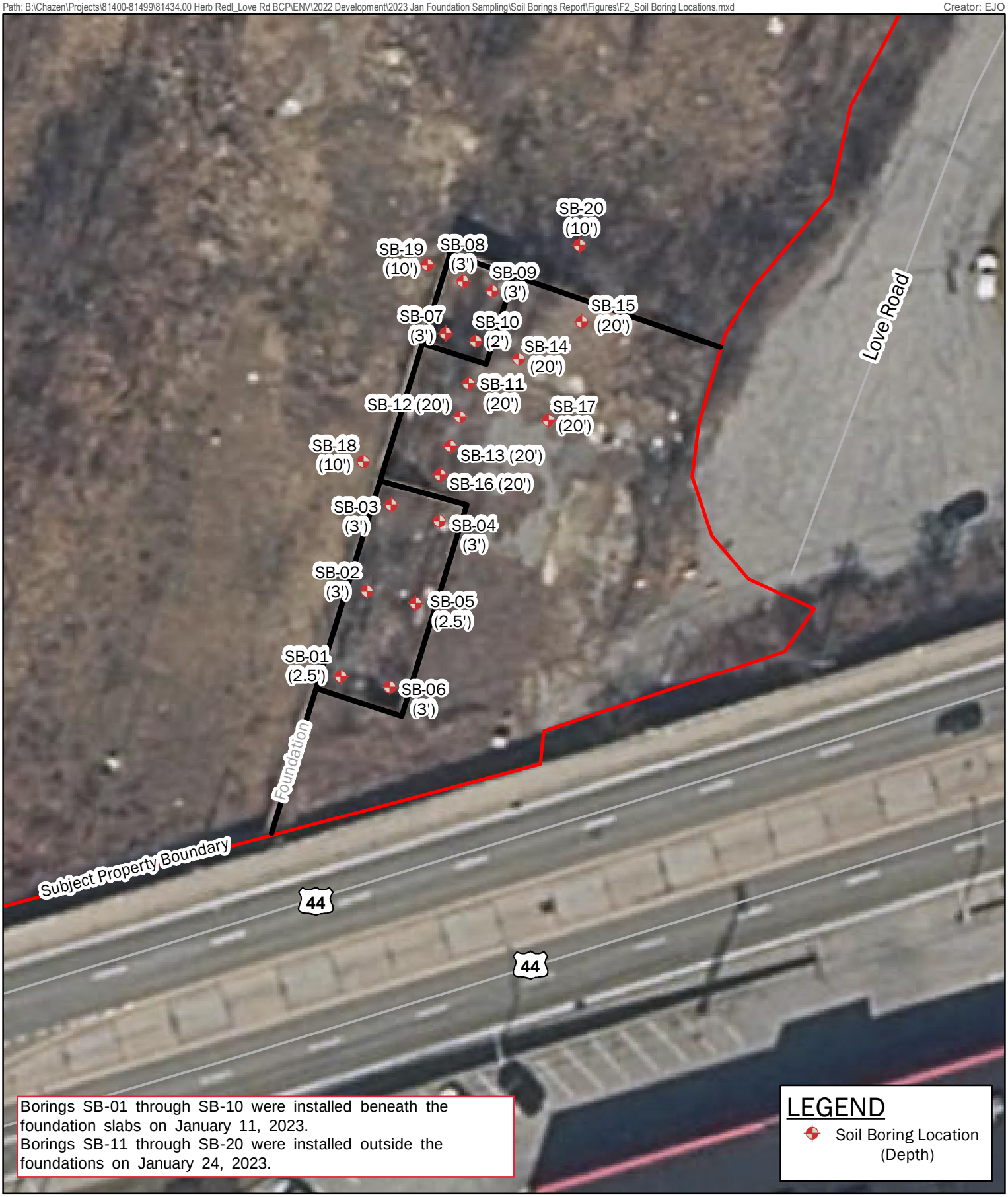
Respectfully submitted,

LABELLA ASSOCIATES, D.P.C.

Arlette St. Romain
Brownfields Program Manager

Enclosures:

Boring Location Map	Boring Logs	Laboratory reports
Tables 1, 2 and 3	CAMP Charts	



Borings SB-01 through SB-10 were installed beneath the foundation slabs on January 11, 2023.
Borings SB-11 through SB-20 were installed outside the foundations on January 24, 2023.

LEGEND

Soil Boring Location (Depth)

PROJECT # / DRAWING # / DATE:	DRAWING NAME:	PROJECT:	
CZ81434.00 **Figure 1** 2/1/2023	Soil Boring Location Map	Love Road BCP Site 2 Love Road Town of Poughkeepsie Dutchess County, New York	N 1 inch = 40 feet LaBella Powered by partnership.

Data Source: NYSDOT 2019; USGS 2020; LaBella 2022-2023.

Table 1
Soil Sample Results for Borings Within Foundation
Love Road Redevelopment BCP Site C314113
Poughkeepsie, Dutchess County, New York

Sample ID Foundation Location York ID Sampling Date Client Matrix	NYSDEC Part 375 Commerical Use Soil Cleanup Objectives	NYSDEC Part 375 Protection of Groundwater Use Soil Cleanup Objectives	LR-COMP-01 Southern 23A0573-01 1/11/2023 15:15 Soil		LR-COMP-02 Northern 23A0573-02 1/11/2023 14:15 Soil	
Compound			Result	Q	Result	Q
Volatile Organics, NYSDEC Part 375 List	mg/Kg	mg/Kg	mg/Kg		mg/Kg	
Dilution Factor			1		200	
1,1,1-Trichloroethane	500	0.68	0.003	U	0.58	U
1,1-Dichloroethane	240	0.27	0.003	U	*0.58*	*U*
1,1-Dichloroethylene	500	0.33	0.003	U	*0.58*	*U*
1,2,4-Trimethylbenzene	190	3.6	0.003	U	0.58	U
1,2-Dichlorobenzene	500	1.1	0.003	U	0.58	U
1,2-Dichloroethane	30	0.02	0.003	U	*0.58*	*U*
1,3,5-Trimethylbenzene	190	8.4	0.003	U	0.58	U
1,3-Dichlorobenzene	280	2.4	0.003	U	0.58	U
1,4-Dichlorobenzene	130	1.8	0.003	U	0.58	U
1,4-Dioxane	130	0.1	0.056	U	12	U
2-Butanone	500	0.12	0.0028	U	*0.58*	*U*
Acetone	500	0.05	0.0056	U	*1.2*	*U*
Benzene	44	0.06	0.0028	U	*0.58*	*U*
Carbon tetrachloride	22	0.76	0.0028	U	0.58	U
Chlorobenzene	500	1.1	0.0028	U	0.58	U
Chloroform	350	0.37	0.0028	U	*0.58*	*U*
cis-1,2-Dichloroethylene	500	0.25	0.0028	U	*0.58*	*U*
Ethyl Benzene	390	1	0.0028	U	0.58	U
Methyl tert-butyl ether (MTBE)	500	0.93	0.0028	U	0.58	U
Methylene chloride	500	0.05	0.0056	U	*1.2*	*U*
Naphthalene	500	12	0.0028	U	0.58	U
n-Butylbenzene	500	12	0.0028	U	2.0	
n-Propylbenzene	500	3.9	0.0028	U	2.4	
o-Xylene	500	1.6	0.0028	U	*0.58*	*U*
p- & m- Xylenes			0.0056	U	*1.2*	*U*
sec-Butylbenzene	500	11	0.0028	U	1.0	J
tert-Butylbenzene	500	5.9	0.0028	U	0.58	U
Tetrachloroethylene	150	1.3	0.0028	U	0.58	U
Toluene	500	0.7	0.0028	U	0.58	U
trans-1,2-Dichloroethylene	500	0.19	0.0028	U	0.58	U
Trichloroethylene	200	0.47	0.0028	U	0.58	U
Vinyl Chloride	13	0.02	0.0028	U	0.58	U
Xylenes, Total	500	1.6	0.0084	U	*1.7*	*U*
Volatile Organics, TCLP RCRA List	mg/Kg	mg/Kg	mg/L		mg/L	
Dilution Factor			10		10	
1,1-Dichloroethylene	~	~	0.0250	U	0.0250	U
1,2-Dichloroethane	~	~	0.0250	U	0.0250	U
1,4-Dichlorobenzene	~	~	0.0250	U	0.0250	U
2-Butanone	~	~	0.0250	U	0.0250	U
Benzene	~	~	0.0250	U	0.0250	U
Carbon tetrachloride	~	~	0.0250	U	0.0250	U
Chlorobenzene	~	~	0.0250	U	0.0250	U
Chloroform	~	~	0.0250	U	0.0250	U
Tetrachloroethylene	~	~	0.0250	U	0.0250	U
Trichloroethylene	~	~	0.0250	U	0.0250	U
Vinyl Chloride	~	~	0.0250	U	0.0250	U
Semi-Volatiles, NYSDEC Part 375 List	mg/Kg	mg/Kg	mg/Kg		mg/Kg	
Dilution Factor			2		2	
2-Methylphenol	500	0.33	0.0494	U	0.0521	U
3- & 4-Methylphenols	500	0.33	0.0494	U	0.0521	U
Acenaphthene	500	98	0.0494	U	1.26	
Acenaphthylene	500	107	0.0494	U	0.406	
Anthracene	500	1000	0.0494	U	0.453	
Benzo(a)anthracene	5.6	1	0.0494	U	0.0557	J
Benzo(a)pyrene	1	22	0.0494	U	0.0521	U
Benzo(b)fluoranthene	5.6	1.7	0.0494	U	0.0521	U
Benzo(g,h,i)perylene	500	1000	0.0494	U	0.0521	U
Benzo(k)fluoranthene	56	1.7	0.0494	U	0.0521	U
Chrysene	56	1	0.0494	U	0.0582	J
Dibenzo(a,h)anthracene	0.56	1000	0.0494	U	0.0521	U
Dibenzofuran	350	210	0.0494	U	0.0521	U
Fluoranthene	500	1000	0.0494	U	0.121	
Fluorene	500	386	0.0494	U	1.54	
Hexachlorobenzene	6	3.2	0.0494	U	0.0521	U
Indeno(1,2,3-cd)pyrene	5.6	8.2	0.0494	U	0.0521	U
Naphthalene	500	12	0.0494	U	0.999	
Pentachlorophenol	6.7	0.8	0.0494	U	0.0521	U
Phenanthrene	500	1000	0.0494	U	2.9	
Phenol	500	0.33	0.0494	U	0.0521	U
Pyrene	500	1000	0.0494	U	0.37	

Table 1
Soil Sample Results for Borings Within Foundation
Love Road Redevelopment BCP Site C314113
Poughkeepsie, Dutchess County, New York

Sample ID Foundation Location York ID Sampling Date Client Matrix	NYSDEC Part 375 Commerical Use Soil Cleanup Objectives	NYSDEC Part 375 Protection of Groundwater Use Soil Cleanup Objectives	LR-COMP-01 Southern 23A0573-01 1/11/2023 15:15 Soil		LR-COMP-02 Northern 23A0573-02 1/11/2023 14:15 Soil	
Compound			Result	Q	Result	Q
Semi-Volatiles, TCLP RCRA Target List	mg/Kg	mg/Kg	mg/L		mg/L	
Dilution Factor			1		1	
1,4-Dichlorobenzene	~	~	0.00323	U	0.00323	U
2,4,5-Trichlorophenol	~	~	0.00361	U	0.00361	U
2,4,6-Trichlorophenol	~	~	0.00327	U	0.00327	U
2,4-Dinitrotoluene	~	~	0.00237	U	0.00237	U
2-Methylphenol	~	~	0.00086	U	0.00086	U
3- & 4-Methylphenols	~	~	0.00372	U	0.00372	U
Cresols, total	~	~	0.00370	U	0.00370	U
Hexachlorobenzene	~	~	0.00296	U	0.00296	U
Hexachlorobutadiene	~	~	0.00331	U	0.00331	U
Hexachloroethane	~	~	0.00363	U	0.00363	U
Nitrobenzene	~	~	0.00197	U	0.00197	U
Pentachlorophenol	~	~	0.00376	U	0.00376	U
Pyridine	~	~	0.00319	U	0.00319	U
Pesticides, TCLP RCRA List	mg/Kg	mg/Kg	mg/L		mg/L	
Dilution Factor			1		1	
Chlordane, total	~	~	0.00022	U	0.00022	U
Endrin	~	~	0.00004	U	0.00004	U
gamma-BHC (Lindane)	~	~	0.00004	U	0.00004	U
Heptachlor	~	~	0.00004	U	0.00004	U
Heptachlor epoxide	~	~	0.00004	U	0.00004	U
Methoxychlor	~	~	0.00004	U	0.00004	U
Toxaphene	~	~	0.00111	U	0.00111	U
Metals, Priority Pollutant	mg/Kg	mg/Kg	mg/Kg		mg/Kg	
Dilution Factor			1		1	
Antimony	~	~	5.15		4.51	
Arsenic	16	16	5.44		4.88	
Beryllium	590	47	0.591		0.588	
Cadmium	9.3	7.5	0.247	U	0.264	U
Chromium	1500	19	16.1		17.1	
Copper	270	1720	20.2		18.2	
Lead	1000	450	21.1		19.6	
Mercury	2.8	0.73	0.0356	U	0.0380	U
Nickel	310	130	21.0		21.8	
Selenium	1500	4	2.06	U	2.2	U
Silver	1500	8.3	0.415	U	0.444	U
Thallium	~	~	2.06	U	2.2	U
Zinc	10000	2480	58.8		60.1	
Metals, TCLP RCRA		mg/Kg	mg/L		mg/L	
Dilution Factor			1		1	
Arsenic	~	~	0.375	U	0.375	U
Barium	~	~	0.625	U	0.625	U
Cadmium	~	~	0.0750	U	0.0750	U
Chromium	~	~	0.125	U	0.125	U
Lead	~	~	0.125	U	0.125	U
Mercury	~	~	0.0002	U	0.0002	U
Selenium	~	~	0.625	U	0.625	U
Silver	~	~	0.125	U	0.125	U
Corrosivity (pH) by SM 4500/EPA 9045D			pH units		pH units	
Dilution Factor			1		1	
pH	~	~	7.18		6.92	
Ignitability			None		None	
Dilution Factor			1		1	
Ignitability	~	~	Non-Ignit.		Non-Ignit.	
Reactivity-Cyanide			mg/kg		mg/kg	
Dilution Factor			1		1	
Reactivity - Cyanide	~	~	0.250	U	0.250	U
Reactivity-Sulfide			mg/kg		mg/kg	
Dilution Factor			1		1	
Reactivity - Sulfide	~	~	128		15	U
Total Solids			%		%	
Dilution Factor			1		1	
% Solids	~	~	84.3		78.9	
Herbicides, TCLP Target List	mg/Kg	mg/Kg	mg/L		mg/L	
Dilution Factor			1		1	
2,4,5-TP (Silvex)	~	~	0.005	U	0.005	U
2,4-D	~	~	0.005	U	0.005	U

Table 1
Soil Sample Results for Borings Within Foundation
Love Road Redevelopment BCP Site C314113
Poughkeepsie, Dutchess County, New York

Sample ID **Foundation Location** **York ID** **Sampling Date** **Client Matrix**	**NYSDEC Part 375 Commerical Use Soil Cleanup Objectives**	NYSDEC Part 375 Protection of Groundwater Use Soil Cleanup Objectives	**LR-COMP-01** **Southern** **23A0573-01** **1/11/2023 15:15** **Soil**		**LR-COMP-02** **Northern** **23A0573-02** **1/11/2023 14:15** **Soil**	
Compound			Result	Q	Result	Q
Polychlorinated Biphenyls (PCB)	mg/Kg	mg/Kg	mg/Kg		mg/Kg	
Dilution Factor			1		1	
Aroclor 1016	~	~	0.0196	U	0.0209	U
Aroclor 1221	~	~	0.0196	U	0.0209	U
Aroclor 1232	~	~	0.0196	U	0.0209	U
Aroclor 1242	~	~	0.0196	U	0.0209	U
Aroclor 1248	~	~	0.0196	U	0.0209	U
Aroclor 1254	~	~	0.0196	U	0.0209	U
Aroclor 1260	~	~	0.0196	U	0.0209	U
Total PCBs	1	3.2	0.0196	U	0.0209	U

NOTES:
CUSCO exceedances are highlighted and font is bold and underlined (none identified); Protection of Groundwater SCO exceedances are highlighted (none identified)

Q is the Qualifier Column with definitions as follows:
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
Italics indicates a result where the constituent was not detected, but the RL is greater than the Protection of Groundwater SCO.
~=this indicates that no regulatory limit has been established for this analyte

Table 2
Soil Sample Results for Borings Outside Foundation
Love Road Redevelopment BCP Site C314113
Poughkeepsie, Dutchess County, New York

Sample ID **Field PID Reading** **York ID** **Sampling Date** **Client Matrix**	**NYSDEC Part 375 Commerical Use Soil Cleanup Objectives**	NYSDEC Part 375 Protection of Groundwater Use Soil Cleanup Objectives	**LR-SB-16 (13-14)** **620 ppm** **23A1220-01** **1/24/2023 12:40** **Soil**		**LR-SB-17 (11-13)** **100 ppm** **23A1220-02** **1/24/2023 13:20** **Soil**		**LR-SB-18 (5-7)** **66 ppm** **23A1220-03** **1/24/2023 14:05** **Soil**	
Compound			Result	Q	Result	Q	Result	Q
Volatile Organics, CP-51 (formerly STARS) List	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			200		200		1	
1,2,4-Trimethylbenzene	190	3.6	0.42	U	0.43	U	0.0027	U
1,3,5-Trimethylbenzene	190	8.4	0.42	U	0.43	U	0.0027	U
Benzene	44	0.06	*0.42*	*U*	*0.43*	*U*	0.0027	U
Ethyl Benzene	390	1	0.42	U	0.43	U	0.0027	U
Isopropylbenzene	~	~	1.9		0.43	U	0.014	
Methyl tert-butyl ether (MTBE)	500	0.93	0.42	U	0.43	U	0.0027	U
Naphthalene	500	12	0.42	U	0.43	U	0.0027	U
n-Butylbenzene	500	12	1.9		0.51	J	0.010	
n-Propylbenzene	500	3.9	3.3		0.45	J	0.0072	
o-Xylene	500	1.6	0.42	U	0.43	U	0.0027	U
p- & m- Xylenes			0.42	U	0.43	U	0.0027	U
p-Isopropyltoluene	~	~	0.42	U	0.43	U	0.0027	U
sec-Butylbenzene	500	11	1.2		0.43	U	0.018	
tert-Butylbenzene	500	5.9	0.42	U	0.43	U	0.0059	
Toluene	500	0.7	0.42	U	0.43	U	0.0027	U
Xylenes, Total	500	1.6	0.42	U	0.43	U	0.0027	U
Semi-Volatiles, CP-51 (formerly STARS) List	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			2		2		2	
Acenaphthene	500	98	0.046	U	0.049	U	0.052	U
Acenaphthylene	500	107	0.046	U	0.049	U	0.052	U
Anthracene	500	1000	0.13		0.058	J	0.096	J
Benzo(a)anthracene	5.6	1	0.046	U	0.049	U	0.26	
Benzo(a)pyrene	1	22	0.046	U	0.049	U	0.21	
Benzo(b)fluoranthene	5.6	1.7	0.046	U	0.049	U	0.15	
Benzo(g,h,i)perylene	500	1000	0.046	U	0.049	U	0.16	
Benzo(k)fluoranthene	56	1.7	0.046	U	0.049	U	0.22	
Chrysene	56	1	0.056	J	0.049	U	0.27	
Dibenzo(a,h)anthracene	0.56	1000	0.046	U	0.049	U	0.060	J
Fluoranthene	500	1000	0.073	J	0.049	U	0.51	
Fluorene	500	386	0.046	U	0.049	U	0.052	U
Indeno(1,2,3-cd)pyrene	5.6	8.2	0.046	U	0.049	U	0.14	
Naphthalene	500	12	0.046	U	0.082	J	0.052	U
Phenanthrene	500	1000	0.63		0.28		0.34	
Pyrene	500	1000	0.16		0.052	J	0.58	
Total Solids			%		%		%	
Dilution Factor			1		1		1	
% Solids	~	~	89.0		85.8		80.4	

NOTES:
CUSCO exceedances are highlighted and font is bold and underlined (none identified); Protection of Groundwater SCO exceedances are highlighted (none identified)

Q is the Qualifier Column with definitions as follows:
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
Italics indicates a result where the constituent was not detected, but the RL is greater than the Protection of Groundwater SCO.

Table 3
Groundwater Sample Results Summary
Love Road Redevelopment BCP Site C314113
Poughkeepsie, Dutchess County, New York

Sample ID **York ID** **Sampling Date** **Client Matrix**	**NYSDEC TOGS Standards and Guidance Values - GA**	**LR-SB08-GW** **23A0654-01** **1/12/2023 12:35** **Water**	
Compound		Result	Q
Volatile Organics, 8260 - Comprehensive	ug/L	ug/L	
Dilution Factor		1	
1,1,1,2-Tetrachloroethane	5	0.20	U
1,1,1-Trichloroethane	5	0.20	U
1,1,2,2-Tetrachloroethane	5	0.20	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	0.20	U
1,1,2-Trichloroethane	1	0.20	U
1,1-Dichloroethane	5	0.39	J
1,1-Dichloroethylene	5	0.20	U
1,2,3-Trichlorobenzene	5	0.20	U
1,2,3-Trichloropropane	0.04	*0.20*	*U*
1,2,4-Trichlorobenzene	5	0.20	U
1,2,4-Trimethylbenzene	5	1.5	
1,2-Dibromo-3-chloropropane	0.04	*0.20*	*U*
1,2-Dibromoethane	0.0006	*0.20*	*U*
1,2-Dichlorobenzene	3	0.20	U
1,2-Dichloroethane	0.6	0.20	U
1,2-Dichloropropane	1	0.20	U
1,3,5-Trimethylbenzene	5	0.20	U
1,3-Dichlorobenzene	3	0.20	U
1,4-Dichlorobenzene	3	0.20	U
1,4-Dioxane	~	40	U
2-Butanone	50	4.6	CCVE
2-Hexanone	50	0.20	U
4-Methyl-2-pentanone	~	0.20	U
Acetone	50	18	
Acrolein	~	0.20	U
Acrylonitrile	~	0.20	U
Benzene	1	**3.7**	
Bromochloromethane	5	0.20	U
Bromodichloromethane	50	0.20	U
Bromoform	50	0.20	U
Bromomethane	5	0.20	U
Carbon disulfide	~	0.34	CCVE, QL-02, J
Carbon tetrachloride	5	0.20	U
Chlorobenzene	5	0.20	U
Chloroethane	5	0.20	U
Chloroform	7	0.20	U
Chloromethane	5	0.20	U
cis-1,2-Dichloroethylene	5	0.51	
cis-1,3-Dichloropropylene	0.4	0.20	U
Cyclohexane	~	11	QL-02
Dibromochloromethane	50	0.20	U
Dibromomethane	~	0.20	U
Dichlorodifluoromethane	5	0.20	U
Ethyl Benzene	5	**6.7**	
Hexachlorobutadiene	0.5	0.20	U
Isopropylbenzene	5	**11**	
Methyl acetate	~	0.20	U
Methyl tert-butyl ether (MTBE)	10	0.20	U
Methylcyclohexane	~	26	
Methylene chloride	5	1	U
n-Butylbenzene	5	2.6	
n-Propylbenzene	5	**13**	
o-Xylene	5	3.9	
p- & m- Xylenes	~	0.68	J
p-Isopropyltoluene	5	0.20	U
sec-Butylbenzene	5	1.9	
Styrene	5	0.20	U
tert-Butyl alcohol (TBA)	~	0.50	U
tert-Butylbenzene	5	0.62	
Tetrachloroethylene	5	0.20	U
Toluene	5	1.5	
trans-1,2-Dichloroethylene	5	0.20	U
trans-1,3-Dichloropropylene	0.4	0.20	U
trans-1,4-dichloro-2-butene	~	0.20	U
Trichloroethylene	5	0.23	J
Trichlorofluoromethane	5	0.20	U
Vinyl Chloride	2	0.20	U
Xylenes, Total	5	4.6	

Table 3
Groundwater Sample Results Summary
Love Road Redevelopment BCP Site C314113
Poughkeepsie, Dutchess County, New York

Sample ID **York ID** **Sampling Date** **Client Matrix**	**NYSDEC TOGS Standards and Guidance Values - GA**	**LR-SB08-GW** **23A0654-01** **1/12/2023 12:35** **Water**	
Compound		Result	Q
Semi-Volatiles, CP-51 (formerly STARS)-Low Lev	ug/L	ug/L	
Dilution Factor		1	
Acenaphthene	20	4.10	
Acenaphthylene	~	0.167	U
Anthracene	50	6.30	
Benzo(a)anthracene	0.002	*0.167*	*U*
Benzo(a)pyrene	0.002	*0.167*	*U*
Benzo(b)fluoranthene	0.002	*0.167*	*U*
Benzo(g,h,i)perylene	~	0.167	U
Benzo(k)fluoranthene	0.002	*0.167*	*U*
Chrysene	0.002	*0.167*	*U*
Dibenzo(a,h)anthracene	~	0.167	U
Fluoranthene	50	0.167	J
Fluorene	50	6.07	
Indeno(1,2,3-cd)pyrene	0.002	0.167	U
Naphthalene	10	0.833	
Phenanthrene	50	6.37	
Pyrene	50	0.300	
Metals, Dissolved - RCRA	ug/L	ug/L	
Dilution Factor		1	
Arsenic	25	17	U
Barium	1000	72	
Cadmium	5	3.0	U
Chromium	50	6.0	U
Lead	25	6.0	U
Mercury	0.7	0.2	U
Selenium	10	59	
Silver	50	6	U
Metals, RCRA	ug/L	ug/L	
Dilution Factor		1	
Arsenic	25	17	U
Barium	1000	124	
Cadmium	5	3	U
Chromium	50	6	U
Lead	25	6	U
Mercury	0.7	0.200	U
Selenium	10	*28*	*U*
Silver	50	6	U

NOTES:

SCG Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

CCVE=The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

QL-02=This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference

Italics indicates a result where the constituent was not detected, but the RL is greater than the SCO.

~=this indicates that no regulatory limit has been established for this analyte

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21 FOX STREET, POUGHKEEPSIE, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Love Road BCP
2 Love Road, Town of Poughkeepsie, New York

BORING: SB - 01
SHEET _1_ of _1_
JOB: CZ81434.00
CHKD BY: AS
DATE: 2/2/2023

CONTRACTOR: JDTankCo
DRILLER: Jay
LABELLA REPRESENTATIVE: Eric Orlowski, PG

BORING LOCATION: Inside Southern Foundation
GROUND SURFACE ELEVATION NA
START DATE: 1/11/2023 END DATE: 1/11/2023

TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Hand - Posthole Digger
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD:

DRIVE SAMPLER TYPE:
INSIDE DIAMETER:
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				6" concrete (floor slab)		
1		Included in WC-01 (Comp)		24" brown sandy clay, little silt, little fine to coarse sub-rounded gravel, little sub-rounded cobbles, dry to moist, medium stiff, NOSOI	< 1	
2						
3				End of Boring at 2.5' bgs - Cobbles limited advancement with hand tools. Groundwater not encountered.		
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WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
				2.5	NA	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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21 FOX STREET, POUGHKEEPSIE, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Love Road BCP
2 Love Road, Town of Poughkeepsie, New York

BORING: SB - 02
SHEET _1_ of _1_
JOB: CZ81434.00
CHKD BY: AS
DATE: 2/2/2023

CONTRACTOR: JDTankCo
DRILLER: Jay
LABELLA REPRESENTATIVE: Eric Orlowski, PG

BORING LOCATION: Inside Southern Foundation
GROUND SURFACE ELEVATION NA
START DATE: 1/11/2023 END DATE: 1/11/2023

TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Hand - Posthole Digger
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD:

DRIVE SAMPLER TYPE:
INSIDE DIAMETER:
OTHER:

DEPTH (FEET BGS)	SAMPLE: SAMPLE RECOVERY (INCHES)	SAMPLE: SAMPLE NO. AND DEPTH	SAMPLE: STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				6" concrete (floor slab)		
1		Included in WC-01 (Comp)		30" brown sandy clay, little silt, little fine to coarse sub-rounded gravel, little sub-rounded cobbles, dry to moist, medium stiff, NOSOI	< 1	
2						
3				End of Boring at 3' bgs - Cobbles limited advancement with hand tools. Groundwater not encountered.		
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WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
				3.0	NA	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

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NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
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trace = 1 - 10%

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M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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21 FOX STREET, POUGHKEEPSIE, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Love Road BCP
2 Love Road, Town of Poughkeepsie, New York

BORING: SB - 03
SHEET _1_ of _1_
JOB: CZ81434.00
CHKD BY: AS
DATE: 2/2/2023

CONTRACTOR: JDTankCo
DRILLER: Jay
LABELLA REPRESENTATIVE: Eric Orlowski, PG

BORING LOCATION: Inside Southern Foundation
GROUND SURFACE ELEVATION NA
START DATE: 1/11/2023 END DATE: 1/11/2023

TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Hand - Posthole Digger
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD:

DRIVE SAMPLER TYPE:
INSIDE DIAMETER:
OTHER:

DEPTH (FEET BGS)	SAMPLE: SAMPLE RECOVERY (INCHES)	SAMPLE: SAMPLE NO. AND DEPTH	SAMPLE: STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				5" concrete (floor slab)		
1		WC-01 (VOC Grab)		31" brown sandy clay, little silt, little fine to coarse sub-rounded gravel, little sub-rounded cobbles, trace coal/ash, trace brick, trace concrete, dry to moist, medium stiff, NOSOI	6.8	
2						
3		Included in WC-01 (Comp)				
4				End of Boring at 3' bgs - Cobbles limited advancement with hand tools. Groundwater not encountered.		
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WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
				3.0	NA	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

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some = 20 - 35%
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trace = 1 - 10%

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M = Medium
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VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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21 FOX STREET, POUGHKEEPSIE, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Love Road BCP
2 Love Road, Town of Poughkeepsie, New York

BORING: SB - 04
SHEET _1_ of _1_
JOB: CZ81434.00
CHKD BY: AS
DATE: 2/2/2023

CONTRACTOR: JDTankCo
DRILLER: Jay
LABELLA REPRESENTATIVE: Eric Orlowski, PG

BORING LOCATION: Inside Southern Foundation
GROUND SURFACE ELEVATION NA
START DATE: 1/11/2023 END DATE: 1/11/2023

TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Hand - Posthole Digger
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD:

DRIVE SAMPLER TYPE:
INSIDE DIAMETER:
OTHER:

DEPTH (FEET BGS)	SAMPLE: SAMPLE RECOVERY (INCHES)	SAMPLE: SAMPLE NO. AND DEPTH	SAMPLE: STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				5" concrete (floor slab)		
1		Included in WC-01 (Comp)		31" brown sandy clay, little silt, little fine to coarse sub-rounded gravel, little sub-rounded cobbles, dry to moist, medium stiff, NOSOI	< 1	
2						
3						
4				End of Boring at 3' bgs - Cobbles limited advancement with hand tools. Groundwater not encountered.		
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WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
				3.0	NA	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

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trace = 1 - 10%

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VF = Very Fine

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A = Angular
SR = Subrounded
SA = Subangular

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21 FOX STREET, POUGHKEEPSIE, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Love Road BCP
2 Love Road, Town of Poughkeepsie, New York

BORING: SB - 05
SHEET _1_ of _1_
JOB: CZ81434.00
CHKD BY: AS
DATE: 2/2/2023

CONTRACTOR: JDTankCo
DRILLER: Jay
LABELLA REPRESENTATIVE: Eric Orlowski, PG

BORING LOCATION: Inside Southern Foundation
GROUND SURFACE ELEVATION NA
START DATE: 1/11/2023 END DATE: 1/11/2023

TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Hand - Posthole Digger
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD:

DRIVE SAMPLER TYPE:
INSIDE DIAMETER:
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				5" concrete (floor slab)		
1		Included in WC-01 (Comp)		25" brown sandy clay, little silt, little fine to coarse sub-rounded gravel, little sub-rounded cobbles, dry to moist, medium stiff, NOSOI	< 1	
2						
3				End of Boring at 2.5' bgs - Cobbles limited advancement with hand tools. Groundwater not encountered.		
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WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
				2.5	NA	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
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and = 35 - 50%
some = 20 - 35%
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trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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21 FOX STREET, POUGHKEEPSIE, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Love Road BCP
2 Love Road, Town of Poughkeepsie, New York

BORING: SB - 06
SHEET _1_ of _1_
JOB: CZ81434.00
CHKD BY: AS
DATE: 2/2/2023

CONTRACTOR: JDTankCo
DRILLER: Jay
LABELLA REPRESENTATIVE: Eric Orlowski, PG

BORING LOCATION: Inside Southern Foundation
GROUND SURFACE ELEVATION NA
START DATE: 1/11/2023 END DATE: 1/11/2023

TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Hand - Posthole Digger
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD:

DRIVE SAMPLER TYPE:
INSIDE DIAMETER:
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				6" concrete (floor slab)		
1		Included in WC-01 (Comp)		30" brown sandy clay, little silt, little fine to coarse sub-rounded gravel, little sub-rounded cobbles, dry to wet, medium stiff, NOSOI	< 1	Groundwater at 2.5'
2						
3						
4				End of Boring at 3' bgs - Cobbles limited advancement with hand tools. Groundwater encountered at 2.5' bgs.		
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WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
				3.0	2.5 ft	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

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NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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Powered by partnership.

21 FOX STREET, POUGHKEEPSIE, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Love Road BCP
2 Love Road, Town of Poughkeepsie, New York

BORING: SB - 07
SHEET _1_ of _1_
JOB: CZ81434.00
CHKD BY: AS
DATE: 2/2/2023

CONTRACTOR: JDTankCo
DRILLER: Jay
LABELLA REPRESENTATIVE: Eric Orlowski, PG

BORING LOCATION: Inside Northern Foundation
GROUND SURFACE ELEVATION NA
START DATE: 1/11/2023 END DATE: 1/11/2023

TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Hand - Posthole Digger
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD:

DRIVE SAMPLER TYPE:
INSIDE DIAMETER:
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				6" concrete (floor slab)		
1				6" brown sandy clay, little silt, little fine to coarse sub-rounded gravel, little sub-rounded cobbles, dry to moist, medium stiff, NOSOI	< 1	
2		Included in WC-02 (Comp)		24" grey sandy clay, little silt, little fine to coarse sub-rounded gravel, little sub-rounded cobbles, moist to wet, medium stiff, strong petroleum odor, sheen on groundwater.	151	Groundwater at 2.5'
3						
4				End of Boring at 3' bgs - Cobbles limited advancement with hand tools. Groundwater encountered at 2.5' bgs.		
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WATER LEVEL DATA			DEPTH (FT)		
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
				3.0	2.5

NOTES:

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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Powered by partnership.

21 FOX STREET, POUGHKEEPSIE, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Love Road BCP
2 Love Road, Town of Poughkeepsie, New York

BORING: SB - 08
SHEET _1_ of _1_
JOB: CZ81434.00
CHKD BY: AS
DATE: 2/2/2023

CONTRACTOR: JDTankCo
DRILLER: Jay
LABELLA REPRESENTATIVE: Eric Orlowski, PG

BORING LOCATION: Inside Northern Foundation
GROUND SURFACE ELEVATION NA
START DATE: 1/11/2023 END DATE: 1/11/2023

TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Hand - Posthole Digger
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD:

DRIVE SAMPLER TYPE:
INSIDE DIAMETER:
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				6" concrete (floor slab)		
1				6" brown sandy clay, little silt, little fine to coarse sub-rounded gravel, little sub-rounded cobbles, dry to moist, medium stiff, NOSOI	< 1	
2		WC-02 (VOC Grab) Included in WC-02 (Comp)		24" grey sandy clay, little silt, little fine to coarse sub-rounded gravel, little sub-rounded cobbles, moist to wet, medium stiff, strong petroleum odor, sheen on groundwater.	163	Groundwater at 2.5'
3						
4				End of Boring at 3' bgs - Cobbles limited advancement with hand tools. Groundwater encountered at 2.5' bgs.		
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)		
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
				3.0	2.5

NOTES:

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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21 FOX STREET, POUGHKEEPSIE, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Love Road BCP
2 Love Road, Town of Poughkeepsie, New York

BORING: SB - 09
SHEET _1_ of _1_
JOB: CZ81434.00
CHKD BY: AS
DATE: 2/2/2023

CONTRACTOR: JDTankCo
DRILLER: Jay
LABELLA REPRESENTATIVE: Eric Orlowski, PG

BORING LOCATION: Inside Northern Foundation
GROUND SURFACE ELEVATION NA
START DATE: 1/11/2023 END DATE: 1/11/2023

TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Hand - Posthole Digger
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD:

DRIVE SAMPLER TYPE:
INSIDE DIAMETER:
OTHER:

DEPTH (FEET BGS)	SAMPLE: SAMPLE RECOVERY (INCHES)	SAMPLE: SAMPLE NO. AND DEPTH	SAMPLE: STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				6" concrete (floor slab)		
1		Included in WC-02 (Comp)		6" brown sandy clay, little silt, little fine to coarse sub-rounded gravel, little sub-rounded cobbles, dry to moist, medium stiff, NOSOI	< 1	
2				24" grey sandy clay, little silt, little fine to coarse sub-rounded gravel, little sub-rounded cobbles, moist to wet, medium stiff, strong petroleum odor, sheen on groundwater.	154	Groundwater at 2.0'
3						
4				End of Boring at 3' bgs - Cobbles limited advancement with hand tools. Groundwater encountered at 2.0' bgs.		
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)		
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
				3.0	2.0

NOTES:

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
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SR = Subrounded
SA = Subangular

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21 FOX STREET, POUGHKEEPSIE, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Love Road BCP
2 Love Road, Town of Poughkeepsie, New York

BORING: SB - 10
SHEET _1_ of _1_
JOB: CZ81434.00
CHKD BY: AS
DATE: 2/2/2023

CONTRACTOR: JDTankCo
DRILLER: Jay
LABELLA REPRESENTATIVE: Eric Orlowski, PG

BORING LOCATION: Inside Northern Foundation
GROUND SURFACE ELEVATION NA
START DATE: 1/11/2023 END DATE: 1/11/2023

TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Hand - Posthole Digger
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD:

DRIVE SAMPLER TYPE:
INSIDE DIAMETER:
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				6" concrete (floor slab)		
1				6" brown sandy clay, little silt, little fine to coarse sub-rounded gravel, little sub-rounded cobbles, dry to moist, medium stiff, NOSOI	< 1	
2		Included in WC-02 (Comp)		12" grey sandy clay, little silt, little fine to coarse sub-rounded gravel, little sub-rounded cobbles, moist to wet, medium stiff, strong petroleum odor, sheen on groundwater.	54	Groundwater at 1.5'
3				End of Boring at 2' bgs - Cobbles limited advancement with hand tools. Groundwater encountered at 1.5' bgs.		
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
				2.0	1.5	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
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and = 35 - 50%
some = 20 - 35%
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trace = 1 - 10%

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21 FOX STREET, POUGHKEEPSIE, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Love Road BCP
2 Love Road, Town of Poughkeepsie, New York

BORING: SB - 11
SHEET _1_ of _1_
JOB: CZ81434.00
CHKD BY: AS
DATE: 2/2/2023

CONTRACTOR: Core Down Drilling
DRILLER: Bill Johnson
LABELLA REPRESENTATIVE: Eric Orlowski, PG
BORING LOCATION: South of Northern Foundation
GROUND SURFACE ELEVATION NA
START DATE: 1/24/2023 1/24/2023
TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Geoprobe 7822 DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD:
DRIVE SAMPLER TYPE: MacroCore
INSIDE DIAMETER:
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	41	1		41" brown clayey sand to sandy clay, some angular fine to corase gravel, trace concrete fragments, trace brick fragments, dry to moist, medium stiff, NOSOI	< 1	
5	32	2		22" SAA, dry to moist, medium stiff, NOSOI	< 1	
9				10" brown clay, little fine sand, little fine sub-rounded to rounded gravel, moist, stiff, NOSOI		
10	42	3		9" slough from above	< 1	
11				19" SAA, moist, stiff, faint petroleum odor	4.1	
13				14" green-grey clay, little fine sand, little fine sub-rounded gravel, moist to wet,stiff, strong petroleum odor	490	
15	60	4		12" SAA,wet, stiff, petroleum odor	5	Groundwater at 15' bgs
16				12" light brown clay, little fine sand, little fine sub-rounded gravel, wet, stiff, NOSOI		
17				36" light brown fine sandy clay, wet, medium stiff, NOSOI	< 1	

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	End of boring at 20' bgs, refusal not encountered. Groundwater encountered at 15' bgs.
				20.0	15.0	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
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and = 35 - 50%
some = 20 - 35%
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trace = 1 - 10%

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M = Medium
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21 FOX STREET, POUGHKEEPSIE, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Love Road BCP
2 Love Road, Town of Poughkeepsie, New York

BORING:	SB - 12
SHEET	_1_ of _1_
JOB:	CZ81434.00
CHKD BY:	AS
DATE:	2/2/2023

CONTRACTOR: Core Down Drilling
DRILLER: Bill Johnson
LABELLA REPRESENTATIVE: Eric Orlowski, PG
BORING LOCATION: South of Northern Foundation
GROUND SURFACE ELEVATION NA
START DATE: 1/24/2023 1/24/2023
TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Geoprobe 7822 DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD:
DRIVE SAMPLER TYPE: Dual Tube
INSIDE DIAMETER:
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	42	1		42" light brown clayey fine sand to fine sandy clay, little to some fine to coarse sub-angular to sub-rounded gravel, trace concrete fragments, dry, medium stiff, NOSOI	< 1	
10	27	2		14" light brown fine sandy clay, little fine sub-rounded gravel, moist, NOSOI	< 1	
12				13" green-grey clay, little fine sand, little fine sub-rounded gravel, moist to wet,stiff, strong petroleum odor	290	
15	48	3		12" SAA,wet, stiff, petroleum odor	30	Groundwater at 15' bgs
16				36" light brown fine sandy clay, wet, medium stiff, NOSOI	< 1	
20				4" grey clay, wet, soft, NOSOI		

WATER LEVEL DATA			BOTTOM OF CASING	DEPTH (FT) BOTTOM OF BORING	DEPTH (FT) GROUNDWATER ENCOUNTERED
DATE	TIME	ELAPSED TIME			
				20.0	15.0

NOTES:
End of boring at 20' bgs, refusal not encountered.
Groundwater encountered at 15' bgs.

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
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21 FOX STREET, POUGHKEEPSIE, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Love Road BCP
2 Love Road, Town of Poughkeepsie, New York

BORING: SB - 13
SHEET _1_ of _1_
JOB: CZ81434.00
CHKD BY: AS
DATE: 2/2/2023

CONTRACTOR: Core Down Drilling
DRILLER: Bill Johnson
LABELLA REPRESENTATIVE: Eric Orlowski, PG
BORING LOCATION: North of Southern Foundation
GROUND SURFACE ELEVATION NA
START DATE: 1/24/2023 1/24/2023
TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Geoprobe 7822 DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD:
DRIVE SAMPLER TYPE: Dual Tube
INSIDE DIAMETER:
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	32	1		8" Asphalt Debris		
1				20" brown clayey sand, little to some fine to coarse sub-angular to sub-rounded gravel, trace concrete fragments, dry to moist, NOSOI		
2						
3						
4						
5					< 1	
6						
7						
8				4" light brown clayey fine sand to fine sandy clay, little to some fine to coarse sub-angular to sub-rounded gravel, moist, medium stiff, NOSOI		
9						
10	31	2		19" SAA, moist, stiff, no odor to slight petroleum odor at base of layer.		
11					< 1	
12					61	
13				12" green-grey clay, little fine sand, little fine sub-rounded gravel, moist to wet,stiff, strong petroleum odor		
14					630	Groundwater at 15' bgs
15	56	3		26" SAA,wet, stiff, petroleum odor	200	
16					135	
17					65	
18				30" brown clay, little fine sand, wet, soft, slight petroleum odor	20	
19					4	
20						

WATER LEVEL DATA			DEPTH (FT)		
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
				20.0	15.0

NOTES:
End of boring at 20' bgs, refusal not encountered.
Groundwater encountered at 15' bgs.

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

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trace = 1 - 10%

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M = Medium
F = Fine
VF = Very Fine

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A = Angular
SR = Subrounded
SA = Subangular

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21 FOX STREET, POUGHKEEPSIE, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Love Road BCP
2 Love Road, Town of Poughkeepsie, New York

BORING: SB - 14
SHEET _1_ of _1_
JOB: CZ81434.00
CHKD BY: AS
DATE: 2/2/2023

CONTRACTOR: Core Down Drilling
DRILLER: Bill Johnson
LABELLA REPRESENTATIVE: Eric Orlowski, PG
BORING LOCATION: East of Northern Foundation
GROUND SURFACE ELEVATION NA
START DATE: 1/24/2023 1/24/2023
TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Geoprobe 7822 DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD:
DRIVE SAMPLER TYPE: Dual Tube
INSIDE DIAMETER:
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	35	1		33" brown sandy clay, some fine to coarse sub-angular to sub-rounded gravel, trace coal/ash at 2' depth, dry to moist, medium stiff, NOSOI	< 1	
9				2" green-grey sandy clay, little fine sub-rounded gravel, moist, medium stiff, slight petroleum odor	20	
10	48	2		18" SAA, moist, medium stiff, slight to strong petroleum odor.	26	
11					200	
12				30" green-grey fine sandy clay, medium stiff, moist to wet, strong to moderate petroleum odor	160	
13					125	Groundwater at 14' bgs
14					95	
15	48	3		Lost top of sample due to barrel over-packing - approximately 12" SAA, wet, slight petroleum odor.	10	
16				36" light brown clay, little to trace fine sand, medium stiff, wet, NOSOI	< 1	
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)		
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
				20.0	14.0

NOTES:
End of boring at 20' bgs, refusal not encountered.
Groundwater encountered at 14' bgs.

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
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trace = 1 - 10%

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21 FOX STREET, POUGHKEEPSIE, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Love Road BCP
2 Love Road, Town of Poughkeepsie, New York

BORING: SB - 15
SHEET _1_ of _1_
JOB: CZ81434.00
CHKD BY: AS
DATE: 2/2/2023

CONTRACTOR: Core Down Drilling
DRILLER: Bill Johnson
LABELLA REPRESENTATIVE: Eric Orlowski, PG
BORING LOCATION: East of Northern Foundation
GROUND SURFACE ELEVATION NA
START DATE: 1/24/2023 1/24/2023
TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Geoprobe 7822 DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD:
DRIVE SAMPLER TYPE: Dual Tube
INSIDE DIAMETER:
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	40	1		14" brown sandy clay to clayey sand, some fine to coarse sub-angular to sub-rounded gravel, dry to moist, medium stiff, NOSOI		
1						
2						
3						
4				26" brown to light brown fine sandy clay, some to little fine sub-rounded gravel, moist, medium stiff, no odor to slight petroleum odor at base of layer	< 1	
5						
6						
7						
8						
9					14	
10	44	2		44" SAA, green-grey, moist to wet, medium stiff, strong to moderate petroleum odor	15	
11					30	
12					50	
13					120	Groundwater at 14' bgs
14					60	
15	50	3		16" green-grey gravelly clay, little fine sand, wet, soft, moderate petroleum odor	110	
16					50	
17				8" green-grey clay, trace fine sand, wet, slight petroleum odor	40	
18				36" light brown clay, little to trace fine sand, medium stiff, wet, no odor	30	
19					25	
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	End of boring at 20' bgs, refusal not encountered. Groundwater encountered at 14' bgs.
				20.0	14.0	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
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some = 20 - 35%
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trace = 1 - 10%

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M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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21 FOX STREET, POUGHKEEPSIE, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Love Road BCP
2 Love Road, Town of Poughkeepsie, New York

BORING: SB - 16
SHEET _1_ of _1_
JOB: CZ81434.00
CHKD BY: AS
DATE: 2/2/2023

CONTRACTOR: Core Down Drilling
DRILLER: Bill Johnson
LABELLA REPRESENTATIVE: Eric Orlowski, PG
BORING LOCATION: North of Southern Foundation
GROUND SURFACE ELEVATION NA
START DATE: 1/24/2023 1/24/2023
TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Geoprobe 7822 DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD:
DRIVE SAMPLER TYPE: Dual Tube
INSIDE DIAMETER:
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	45	1		33" brown sandy clay to clayey sand, some fine to coarse sub-angular to sub-rounded gravel, dry to moist, medium stiff, NOSOI	< 1	
1						
2						
3						
4						
5						
6						
7				12" brown fine sandy clay, little to some fine gravel and/or rock fragments, moist, medium stiff, NOSOI		
8						
9						
10	29	2		6" SAA, moist, medium stiff, NOSOI	< 1	
11						
12				8" grey fine sandy clay, come fine sub-rounded gravel, moist, medium stiff, strong petroleum odor	200	
13				3" concrete fragments	620	
14		LR-SB-16 (13-14')		12" green-grey sandy clay, trace fine sub-rounded gravel, moist to wet, stiff, strong petroleum odor	200	Groundwater at 15' bgs
15	50	3		14" SAA, wet, medium stiff, moderate petroleum odor	15	
16					15	
17				36" brown fine sandy clay, wet, medium stiff to soft, slight petroleum odor to no odor	9	
18					4	
19					4	
20						

WATER LEVEL DATA			DEPTH (FT)		
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
				20.0	15.0

NOTES:
End of boring at 20' bgs, refusal not encountered.
Groundwater encountered at 15' bgs.

GENERAL NOTES

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21 FOX STREET, POUGHKEEPSIE, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Love Road BCP
2 Love Road, Town of Poughkeepsie, New York

BORING: SB - 17
SHEET _1_ of _1_
JOB: CZ81434.00
CHKD BY: AS
DATE: 2/2/2023

CONTRACTOR: Core Down Drilling
DRILLER: Bill Johnson
LABELLA REPRESENTATIVE: Eric Orlowski, PG
BORING LOCATION: North of Southern Foundation
GROUND SURFACE ELEVATION NA
START DATE: 1/24/2023 1/24/2023
TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Geoprobe 7822 DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD:
DRIVE SAMPLER TYPE: Dual Tube
INSIDE DIAMETER:
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	40	1		8" asphalt debris		
1				6" light brown sandy clay, some fine sub-rounded to sub-angular gravel, dry, medium stiff, NOSOI		
2						
3				26" grey to green-grey clay, little fine sand, little fine gravel and/or rock fragments, moist, medium stiff, NOSOI		
4						
5					< 1	
6						
7						
8						
9						
10	39	2		6" SAA, moist to wet, medium stiff, slight petroleum odor	7	
11						
12		LR-SB-17 (11-13')			100	Groundwater at 12' bgs
13					50	
14					10	
15	56	3		56" light brown clayey fine sand to fine sandy clay, wet, slight petroleum odor to no odor	11	
16						
17					4	
18						
19					3	
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	End of boring at 20' bgs, refusal not encountered.
				20.0	12.0	Groundwater encountered at 12' bgs.

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

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SA = Subangular

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Powered by partnership.

21 FOX STREET, POUGHKEEPSIE, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Love Road BCP
2 Love Road, Town of Poughkeepsie, New York

BORING: SB - 18
SHEET _1_ of _1_
JOB: CZ81434.00
CHKD BY: AS
DATE: 2/2/2023

CONTRACTOR: Core Down Drilling
DRILLER: Bill Johnson
LABELLA REPRESENTATIVE: Eric Orlowski, PG
BORING LOCATION: North of Southern Foundation
GROUND SURFACE ELEVATION NA
START DATE: 1/24/2023 1/24/2023
TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Geoprobe 7822 DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD:
DRIVE SAMPLER TYPE: Dual Tube
INSIDE DIAMETER:
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	32	1		22" brown fine sandy clay, little to some fine to coarse sub-angular to sub-rounded gravel, moist, NOSOI	< 1	
1						
2						
3					1.2	
4				10" grey-brown fine sandy clay, medium stiff, moist to wet, slight petroleum odor	20	
5	46	2		28" SAA, grey-brown, wet, soft, slight petroleum odor	66	Groundwater at 5' bgs
6		LR-SB-18 (5-7')			9	
7						
8				18" light brown clay, trace fine sand, stiff, wet, NOSOI	< 1	
9						
10				End of Boring at 10' bgs - Refusal Not Encountered. Groundwater encountered at 5' bgs.		
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)		
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
				10.0	5.0

NOTES:

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

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Powered by partnership.

21 FOX STREET, POUGHKEEPSIE, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Love Road BCP
2 Love Road, Town of Poughkeepsie, New York

BORING: SB - 19
SHEET _1_ of _1_
JOB: CZ81434.00
CHKD BY: AS
DATE: 2/2/2023

CONTRACTOR: Core Down Drilling
DRILLER: Bill Johnson
LABELLA REPRESENTATIVE: Eric Orlowski, PG

BORING LOCATION: North of Southern Foundation
GROUND SURFACE ELEVATION NA
START DATE: 1/24/2023 1/24/2023

TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Geoprobe 7822 DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD:

DRIVE SAMPLER TYPE: Dual Tube
INSIDE DIAMETER:
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	38	1		38" brown clay, little to some fine tocoarse sub-angular to sub-rounded gravel, little to trace fine sand, trace wood fragments, moist to wet, NOSOI.	< 1	
5	48	2		48" SAA, brown to mottled brown and grey, wet, medium stiff, NOSOI	< 1	Groundwater at 5' bgs
10				End of Boring at 10' bgs - Refusal Not Encountered. Groundwater encountered at 5' bgs.		

WATER LEVEL DATA			DEPTH (FT)		
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
				10.0	5.0

NOTES:

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

LaBella
Powered by partnership.

21 FOX STREET, POUGHKEEPSIE, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Love Road BCP
2 Love Road, Town of Poughkeepsie, New York

BORING: SB - 20
SHEET _1_ of _1_
JOB: CZ81434.00
CHKD BY: AS
DATE: 2/2/2023

CONTRACTOR: Core Down Drilling
DRILLER: Bill Johnson
LABELLA REPRESENTATIVE: Eric Orlowski, PG
BORING LOCATION: North of Southern Foundation
GROUND SURFACE ELEVATION NA
START DATE: 1/24/2023 1/24/2023
TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Geoprobe 7822 DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD:
DRIVE SAMPLER TYPE: Dual Tube
INSIDE DIAMETER:
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	34	1		4" dark brown topsoil		
1				16" brown gravelly clay, little fine sand, moist, stiff, NOSOI		
2					< 1	
3				11" brown clay, little fine sand, trace fine sub-rounded gravel, moist to wet, medium stiff, NOSOI		
4						
5	47	2		3" grey clay, trace fine sand, wet, medium stiff, NOSOI 47" grey clay, trace fine sand, wet, medium stiff, NOSOI		Groundwater at 5' bgs
6						
7					< 1	
8						
9						
10				End of Boring at 10' bgs - Refusal Not Encountered. Groundwater encountered at 5' bgs.		
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)		
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
				10.0	5.0

NOTES:

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
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and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

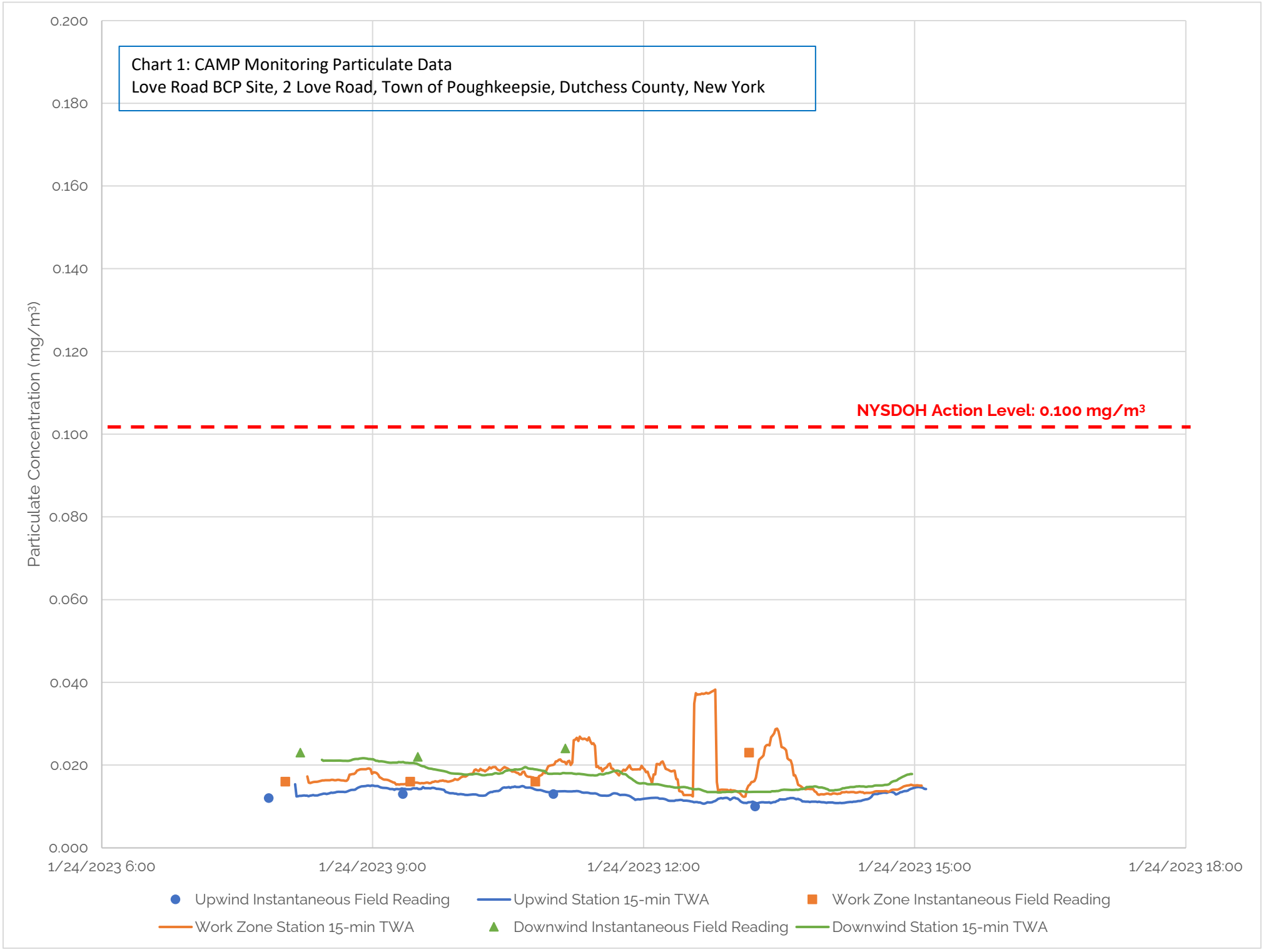
Chart 1: CAMP Monitoring Particulate Data
Love Road BCP Site, 2 Love Road, Town of Poughkeepsie, Dutchess County, New York
Particulate Concentration (mg/m³)
0.200
0.180
0.160
0.140
0.120
0.100
0.080
0.060
0.040
0.020
0.000
NYSDOH Action Level: 0.100 mg/m³
1/24/2023 6:00
1/24/2023 9:00
1/24/2023 12:00
1/24/2023 15:00
1/24/2023 18:00
Upwind Instantaneous Field Reading
Upwind Station 15-min TWA
Work Zone Instantaneous Field Reading
Work Zone Station 15-min TWA
Downwind Instantaneous Field Reading
Downwind Station 15-min TWA

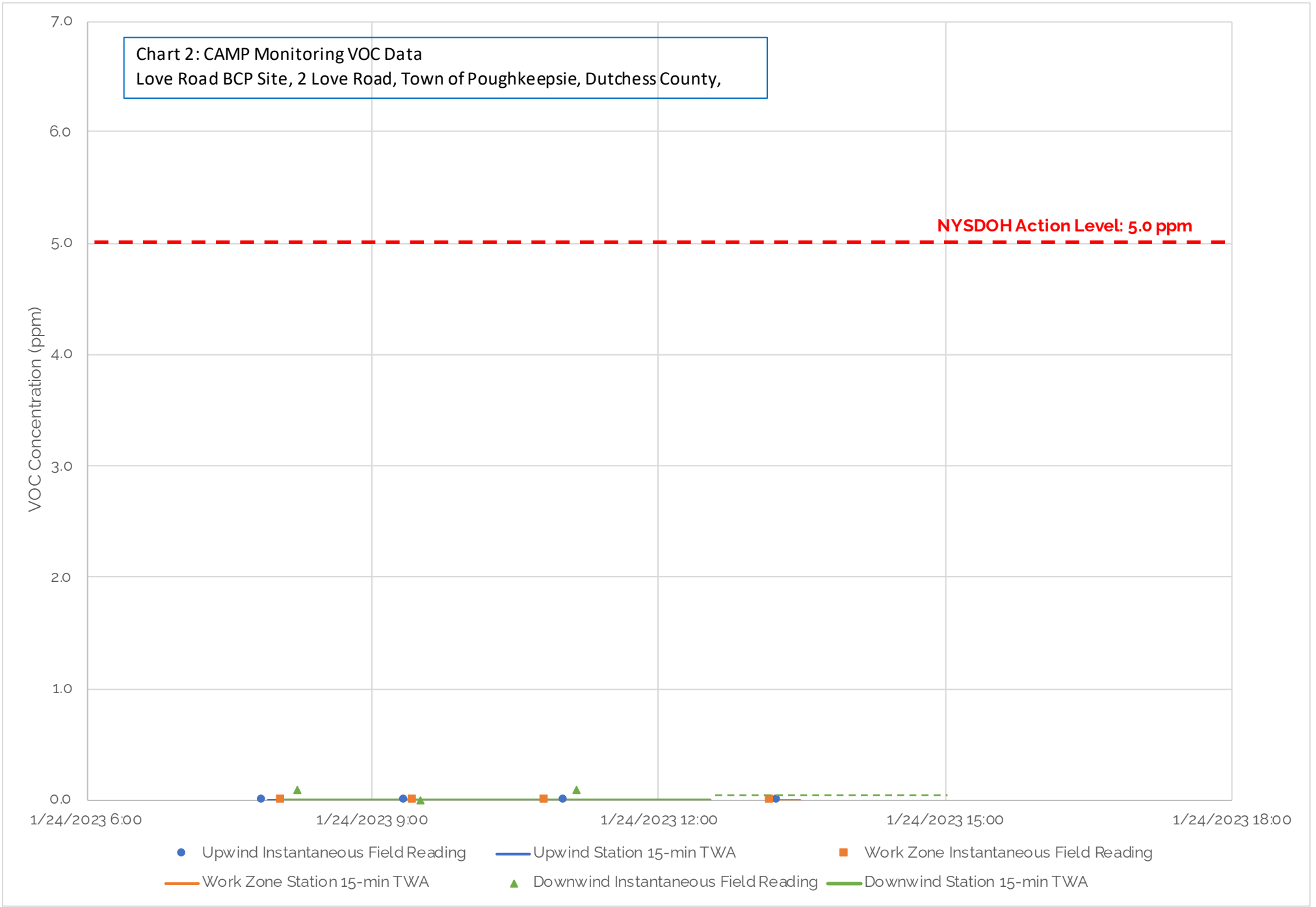
Chart 2: CAMP Monitoring VOC Data
Love Road BCP Site, 2 Love Road, Town of Poughkeepsie, Dutchess County,
NYSDOH Action Level: 5.0 ppm
VOC Concentration (ppm)
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
1/24/2023 6:00
1/24/2023 9:00
1/24/2023 12:00
1/24/2023 15:00
1/24/2023 18:00
Upwind Instantaneous Field Reading
Upwind Station 15-min TWA
Work Zone Instantaneous Field Reading
Work Zone Station 15-min TWA
Downwind Instantaneous Field Reading
Downwind Station 15-min TWA

Technical Report

prepared for:

LaBella Associates (Poughkeepsie)
21 Fox Street
Poughkeepsie NY, 12601
Attention: Eric Orlowski

Report Date: 01/20/2023
Client Project ID: CZ81434.00 Love Rd BCP
York Project (SDG) No.: 23A0573

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 01/20/2023
Client Project ID: CZ81434.00 Love Rd BCP
York Project (SDG) No.: 23A0573

LaBella Associates (Poughkeepsie)
21 Fox Street
Poughkeepsie NY, 12601
Attention: Eric Orlowski

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 12, 2023 and listed below. The project was identified as your project: **CZ81434.00 Love Rd BCP**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
23A0573-01	LR-COMP-01	Soil	01/11/2023	01/12/2023
23A0573-02	LR-COMP-02	Soil	01/11/2023	01/12/2023

General Notes for York Project (SDG) No.: 23A0573

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 01/20/2023

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: LR-COMP-01 **York Sample ID:** 23A0573-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A0573	CZ81434.00 Love Rd BCP	Soil	January 11, 2023 3:15 pm	01/12/2023

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 12:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	FTR
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 12:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	FTR
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 12:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	FTR
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 12:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	FTR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 12:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	FTR
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 12:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	FTR
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 12:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	FTR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 12:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	FTR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 12:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	FTR
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 12:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	FTR
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 12:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	FTR
67-64-1	Acetone	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 12:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	FTR
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 12:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	FTR
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 12:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	FTR
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 12:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	FTR
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 12:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	FTR
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 12:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	FTR
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 12:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	FTR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 12:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	FTR
75-09-2	Methylene chloride	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 12:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	FTR
91-20-3	Naphthalene	ND		mg/kg dry	0.0028	0.011	1	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 12:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	FTR
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 12:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	FTR
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 12:59 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	FTR

Sample Information

Client Sample ID: LR-COMP-01 **York Sample ID:** 23A0573-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A0573	CZ81434.00 Love Rd BCP	Soil	January 11, 2023 3:15 pm	01/12/2023

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	01/20/2023 12:59	FTR
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	01/20/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP	01/20/2023 12:59	FTR
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	01/20/2023 12:59	FTR
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	01/20/2023 12:59	FTR
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	01/20/2023 12:59	FTR
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	01/20/2023 12:59	FTR
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	01/20/2023 12:59	FTR
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	01/20/2023 12:59	FTR
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	01/20/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	01/20/2023 12:59	FTR
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0084	0.017	1	EPA 8260C Certifications:	01/20/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	01/20/2023 12:59	FTR

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.5 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*109 %*	*76-130*

Volatile Organics, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		mg/L	0.025	0.050	10	EPA 8260C/1311 Certifications:	01/18/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	01/18/2023 15:44	FTR
107-06-2	1,2-Dichloroethane	ND		mg/L	0.025	0.050	10	EPA 8260C/1311 Certifications:	01/18/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	01/18/2023 15:44	FTR
106-46-7	1,4-Dichlorobenzene	ND		mg/L	0.025	0.050	10	EPA 8260C/1311 Certifications:	01/18/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	01/18/2023 15:44	FTR
78-93-3	2-Butanone	ND		mg/L	0.025	0.050	10	EPA 8260C/1311 Certifications:	01/18/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	01/18/2023 15:44	FTR
71-43-2	Benzene	ND		mg/L	0.025	0.050	10	EPA 8260C/1311 Certifications:	01/18/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	01/18/2023 15:44	FTR
56-23-5	Carbon tetrachloride	ND		mg/L	0.025	0.050	10	EPA 8260C/1311 Certifications:	01/18/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	01/18/2023 15:44	FTR
108-90-7	Chlorobenzene	ND		mg/L	0.025	0.050	10	EPA 8260C/1311 Certifications:	01/18/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	01/18/2023 15:44	FTR
67-66-3	Chloroform	ND		mg/L	0.025	0.050	10	EPA 8260C/1311 Certifications:	01/18/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP,NELAC-NY12058,PAI	01/18/2023 15:44	FTR

Sample Information

Client Sample ID: LR-COMP-01 **York Sample ID:** 23A0573-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A0573	CZ81434.00 Love Rd BCP	Soil	January 11, 2023 3:15 pm	01/12/2023

Volatile Organics, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/L	0.025	0.050	10	EPA 8260C/1311	01/18/2023 09:00	01/18/2023 15:44	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
79-01-6	Trichloroethylene	ND		mg/L	0.025	0.050	10	EPA 8260C/1311	01/18/2023 09:00	01/18/2023 15:44	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
75-01-4	Vinyl Chloride	ND		mg/L	0.025	0.050	10	EPA 8260C/1311	01/18/2023 09:00	01/18/2023 15:44	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*105 %*	*77-125*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*116 %*	*76-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.1 %*	*85-120*

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/kg dry	49.4	98.6	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:06	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	49.4	98.6	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:06	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
83-32-9	Acenaphthene	ND		ug/kg dry	49.4	98.6	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:06	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		ug/kg dry	49.4	98.6	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:06	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		ug/kg dry	49.4	98.6	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:06	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	49.4	98.6	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:06	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	49.4	98.6	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:06	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	49.4	98.6	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:06	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	49.4	98.6	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:06	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	49.4	98.6	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:06	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		ug/kg dry	49.4	98.6	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:06	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49.4	98.6	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:06	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/kg dry	49.4	98.6	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:06	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	ND		ug/kg dry	49.4	98.6	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:06	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: LR-COMP-01 **York Sample ID:** 23A0573-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A0573	CZ81434.00 Love Rd BCP	Soil	January 11, 2023 3:15 pm	01/12/2023

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		ug/kg dry	49.4	98.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/16/2023 08:37	01/17/2023 19:06	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	49.4	98.6	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/16/2023 08:37	01/17/2023 19:06	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	49.4	98.6	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/16/2023 08:37	01/17/2023 19:06	KH
91-20-3	Naphthalene	ND		ug/kg dry	49.4	98.6	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/16/2023 08:37	01/17/2023 19:06	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	49.4	98.6	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/16/2023 08:37	01/17/2023 19:06	KH
85-01-8	Phenanthrene	ND		ug/kg dry	49.4	98.6	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/16/2023 08:37	01/17/2023 19:06	KH
108-95-2	Phenol	ND		ug/kg dry	49.4	98.6	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/16/2023 08:37	01/17/2023 19:06	KH
129-00-0	Pyrene	ND		ug/kg dry	49.4	98.6	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/16/2023 08:37	01/17/2023 19:06	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*68.6 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*67.3 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*76.5 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*79.3 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*81.4 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*88.2 %*	*24-116*

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		mg/L	0.00323	0.00500	1	EPA 8270D/1311 Certifications: NELAC-NY10854,PADEP	01/17/2023 08:48	01/18/2023 13:11	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/L	0.00361	0.00500	1	EPA 8270D/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 08:48	01/18/2023 13:11	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/L	0.00327	0.00500	1	EPA 8270D/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 08:48	01/18/2023 13:11	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/L	0.00237	0.00500	1	EPA 8270D/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 08:48	01/18/2023 13:11	KH
95-48-7	2-Methylphenol	ND		mg/L	0.000857	0.00500	1	EPA 8270D/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 08:48	01/18/2023 13:11	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/L	0.00372	0.0100	1	EPA 8270D/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 08:48	01/18/2023 13:11	KH
1319-77-3	Cresols, total	ND		mg/L	0.00370	0.0150	1	EPA 8270D/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854	01/17/2023 08:48	01/18/2023 13:11	KH
118-74-1	Hexachlorobenzene	ND		mg/L	0.00296	0.00500	1	EPA 8270D/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 08:48	01/18/2023 13:11	KH

Sample Information

Client Sample ID: LR-COMP-01 **York Sample ID:** 23A0573-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A0573	CZ81434.00 Love Rd BCP	Soil	January 11, 2023 3:15 pm	01/12/2023

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		mg/L	0.00331	0.00500	1	EPA 8270D/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 08:48	01/18/2023 13:11	KH
67-72-1	Hexachloroethane	ND		mg/L	0.00363	0.00500	1	EPA 8270D/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 08:48	01/18/2023 13:11	KH
98-95-3	Nitrobenzene	ND		mg/L	0.00197	0.00500	1	EPA 8270D/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 08:48	01/18/2023 13:11	KH
87-86-5	Pentachlorophenol	ND		mg/L	0.00376	0.00500	1	EPA 8270D/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 08:48	01/18/2023 13:11	KH
110-86-1	Pyridine	ND		mg/L	0.00319	0.00500	1	EPA 8270D/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 08:48	01/18/2023 13:11	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*41.3 %*	*10-90.9*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*31.0 %*	*10-69.2*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*62.5 %*	*19.2-141*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*55.9 %*	*24.8-127*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*66.1 %*	*23-163*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*72.6 %*	*25.8-110*

Pesticides, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12789-03-6	Chlordane, total	ND		ug/L	0.222	0.222	1	EPA 8081B/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 08:24	01/17/2023 23:19	BJ
72-20-8	Endrin	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 08:24	01/17/2023 23:19	BJ
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 08:24	01/17/2023 23:19	BJ
76-44-8	Heptachlor	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 08:24	01/17/2023 23:19	BJ
1024-57-3	Heptachlor epoxide	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 08:24	01/17/2023 23:19	BJ
72-43-5	Methoxychlor	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 08:24	01/17/2023 23:19	BJ
8001-35-2	Toxaphene	ND		ug/L	1.11	1.11	1	EPA 8081B/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 08:24	01/17/2023 23:19	BJ

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*71.0 %*	*30-120*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*72.0 %*	*30-120*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: LR-COMP-01 **York Sample ID:** 23A0573-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A0573	CZ81434.00 Love Rd BCP	Soil	January 11, 2023 3:15 pm	01/12/2023

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	01/15/2023 10:09	01/18/2023 17:12	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	01/15/2023 10:09	01/18/2023 17:12	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	01/15/2023 10:09	01/18/2023 17:12	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	01/15/2023 10:09	01/18/2023 17:12	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	01/15/2023 10:09	01/18/2023 17:12	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	01/15/2023 10:09	01/18/2023 17:12	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	01/15/2023 10:09	01/18/2023 17:12	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications:	01/15/2023 10:09	01/18/2023 17:12	BJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*95.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*86.5 %*	*30-140*

Herbicides, TCLP Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	01/17/2023 08:59	01/17/2023 22:16	BJ-
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP	01/17/2023 08:59	01/17/2023 22:16	BJ-

	Surrogate Recoveries	Result		Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)*	*3.60 %*	A-01	*10-150*

Metals, Priority Pollutant

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	**Antimony**	**5.15**		mg/kg dry	2.06	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 14:55	01/18/2023 12:54	CW
7440-38-2	**Arsenic**	**5.44**		mg/kg dry	1.24	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 14:55	01/18/2023 12:54	CW
7440-41-7	**Beryllium**	**0.591**		mg/kg dry	0.042	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 14:55	01/18/2023 12:54	CW
7440-43-9	Cadmium	ND		mg/kg dry	0.247	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 14:55	01/18/2023 12:54	CW

Sample Information

Client Sample ID: LR-COMP-01 **York Sample ID:** 23A0573-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A0573	CZ81434.00 Love Rd BCP	Soil	January 11, 2023 3:15 pm	01/12/2023

Metals, Priority Pollutant

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	**Chromium**	**16.1**		mg/kg dry	0.412	1	EPA 6010D	01/17/2023 14:55	01/18/2023 12:54	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	**Copper**	**20.2**		mg/kg dry	1.65	1	EPA 6010D	01/17/2023 14:55	01/18/2023 12:54	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**21.1**		mg/kg dry	0.412	1	EPA 6010D	01/17/2023 14:55	01/18/2023 12:54	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**21.0**		mg/kg dry	0.820	1	EPA 6010D	01/17/2023 14:55	01/18/2023 12:54	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	2.06	1	EPA 6010D	01/17/2023 14:55	01/18/2023 12:54	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.415	1	EPA 6010D	01/17/2023 14:55	01/18/2023 12:54	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-28-0	Thallium	ND		mg/kg dry	2.06	1	EPA 6010D	01/17/2023 14:55	01/18/2023 12:54	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**58.8**		mg/kg dry	2.05	1	EPA 6010D	01/17/2023 14:55	01/18/2023 12:54	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			

Metals, TCLP RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.375	1	EPA 6010D/1311	01/17/2023 10:56	01/17/2023 14:39	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	Barium	ND		mg/L	0.625	1	EPA 6010D/1311	01/17/2023 10:56	01/17/2023 14:39	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	Cadmium	ND		mg/L	0.075	1	EPA 6010D/1311	01/17/2023 10:56	01/17/2023 14:39	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	Chromium	ND		mg/L	0.125	1	EPA 6010D/1311	01/17/2023 10:56	01/17/2023 14:39	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	Lead	ND		mg/L	0.125	1	EPA 6010D/1311	01/17/2023 10:56	01/17/2023 14:39	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/L	0.625	1	EPA 6010D/1311	01/17/2023 10:56	01/17/2023 14:39	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/L	0.125	1	EPA 6010D/1311	01/17/2023 10:56	01/17/2023 14:39	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0356	1	EPA 7473	01/17/2023 09:24	01/17/2023 14:59	MR
							Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP			

Mercury, TCLP

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: LR-COMP-01 **York Sample ID:** 23A0573-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A0573	CZ81434.00 Love Rd BCP	Soil	January 11, 2023 3:15 pm	01/12/2023

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.000200	1	EPA 7470/1311	01/18/2023 08:24	01/18/2023 08:24	AD
							Certifications: CTDOH-PH-0723,NJDEP,PADEP,NELAC-NY10854			

Corrosivity (pH) by SM 4500/EPA 9045D

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	**7.18**		pH units	0.500	1	EPA 9045D	01/13/2023 07:46	01/13/2023 11:12	LAR
							Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP			

Reactivity-Cyanide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Reactivity - Cyanide	ND		mg/kg	0.250	1	EPA SW-846 Ch.7.3.3	01/12/2023 16:52	01/12/2023 21:22	SL
							Certifications: CTDOH-PH-0723,PADEP			

Reactivity-Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Reactivity - Sulfide**	**128**		mg/kg	15.0	1	EPA SW-846 Ch.7.3.4	01/12/2023 16:55	01/12/2023 21:23	SL
							Certifications: CTDOH-PH-0723,PADEP			

Temperature

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Temperature**	**23.2**		°C	1.00	1	EPA 170.1	01/13/2023 13:06	01/13/2023 16:26	S_S
							Certifications:			

Ignitability

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Ignitability	Non-Ignit.		None	1	1	EPA 1030P	01/16/2023 18:47	01/16/2023 19:23	ZTS
							Certifications:			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**84.3**		%	0.100	1	SM 2540G	01/16/2023 12:33	01/16/2023 15:54	sgs
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: LR-COMP-01 **York Sample ID:** 23A0573-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A0573	CZ81434.00 Love Rd BCP	Soil	January 11, 2023 3:15 pm	01/12/2023

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:** EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	01/16/2023 14:03	01/17/2023 09:51	AD2
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

TCLP Extraction for SVOCS/PEST/HERB

Log-in Notes: **Sample Notes:** EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP extr. for SVOA/PEST/HERBS

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	01/16/2023 14:00	01/17/2023 09:50	AD2
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

TCLP Extraction for VOA by EPA 1311 ZHE

Log-in Notes: **Sample Notes:** EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ZHE for VOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	01/16/2023 13:56	01/17/2023 10:15	TAJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Sample Information

Client Sample ID: LR-COMP-02 **York Sample ID:** 23A0573-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A0573	CZ81434.00 Love Rd BCP	Soil	January 11, 2023 2:15 pm	01/12/2023

Volatile Organics, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.58	1.2	200	EPA 8260C	01/20/2023 09:00	01/20/2023 13:26	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.58	1.2	200	EPA 8260C	01/20/2023 09:00	01/20/2023 13:26	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.58	1.2	200	EPA 8260C	01/20/2023 09:00	01/20/2023 13:26	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.58	1.2	200	EPA 8260C	01/20/2023 09:00	01/20/2023 13:26	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.58	1.2	200	EPA 8260C	01/20/2023 09:00	01/20/2023 13:26	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.58	1.2	200	EPA 8260C	01/20/2023 09:00	01/20/2023 13:26	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.58	1.2	200	EPA 8260C	01/20/2023 09:00	01/20/2023 13:26	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		

Sample Information

Client Sample ID: LR-COMP-02 **York Sample ID:** 23A0573-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A0573	CZ81434.00 Love Rd BCP	Soil	January 11, 2023 2:15 pm	01/12/2023

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.58	1.2	200	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 13:26	FTR CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.58	1.2	200	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 13:26	FTR CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
123-91-1	1,4-Dioxane	ND		mg/kg dry	12	23	200	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 13:26	FTR NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	2-Butanone	ND		mg/kg dry	0.58	1.2	200	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 13:26	FTR CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-64-1	Acetone	ND		mg/kg dry	1.2	2.3	200	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 13:26	FTR CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-43-2	Benzene	ND		mg/kg dry	0.58	1.2	200	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 13:26	FTR CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.58	1.2	200	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 13:26	FTR CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-90-7	Chlorobenzene	ND		mg/kg dry	0.58	1.2	200	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 13:26	FTR CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-66-3	Chloroform	ND		mg/kg dry	0.58	1.2	200	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 13:26	FTR CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.58	1.2	200	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 13:26	FTR CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.58	1.2	200	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 13:26	FTR CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.58	1.2	200	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 13:26	FTR CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-09-2	Methylene chloride	ND		mg/kg dry	1.2	2.3	200	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 13:26	FTR CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
91-20-3	Naphthalene	ND		mg/kg dry	0.58	2.3	200	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 13:26	FTR NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
104-51-8	**n-Butylbenzene**	**2.0**		mg/kg dry	0.58	1.2	200	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 13:26	FTR CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
103-65-1	**n-Propylbenzene**	**2.4**		mg/kg dry	0.58	1.2	200	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 13:26	FTR CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
95-47-6	o-Xylene	ND		mg/kg dry	0.58	1.2	200	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 13:26	FTR CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	1.2	2.3	200	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 13:26	FTR CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP
135-98-8	**sec-Butylbenzene**	**1.0**	J	mg/kg dry	0.58	1.2	200	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 13:26	FTR CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.58	1.2	200	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 13:26	FTR CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.58	1.2	200	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 13:26	FTR CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-88-3	Toluene	ND		mg/kg dry	0.58	1.2	200	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 13:26	FTR CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.58	1.2	200	EPA 8260C Certifications:	01/20/2023 09:00	01/20/2023 13:26	FTR CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI

Sample Information

Client Sample ID: LR-COMP-02 **York Sample ID:** 23A0573-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A0573	CZ81434.00 Love Rd BCP	Soil	January 11, 2023 2:15 pm	01/12/2023

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		mg/kg dry	0.58	1.2	200	EPA 8260C	01/20/2023 09:00	01/20/2023 13:26	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.58	1.2	200	EPA 8260C	01/20/2023 09:00	01/20/2023 13:26	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		mg/kg dry	1.7	3.5	200	EPA 8260C	01/20/2023 09:00	01/20/2023 13:26	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*94.7 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*108 %*	*76-130*

Volatile Organics, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		mg/L	0.025	0.050	10	EPA 8260C/1311	01/18/2023 09:00	01/18/2023 16:10	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
107-06-2	1,2-Dichloroethane	ND		mg/L	0.025	0.050	10	EPA 8260C/1311	01/18/2023 09:00	01/18/2023 16:10	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
106-46-7	1,4-Dichlorobenzene	ND		mg/L	0.025	0.050	10	EPA 8260C/1311	01/18/2023 09:00	01/18/2023 16:10	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
78-93-3	2-Butanone	ND		mg/L	0.025	0.050	10	EPA 8260C/1311	01/18/2023 09:00	01/18/2023 16:10	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
71-43-2	Benzene	ND		mg/L	0.025	0.050	10	EPA 8260C/1311	01/18/2023 09:00	01/18/2023 16:10	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
56-23-5	Carbon tetrachloride	ND		mg/L	0.025	0.050	10	EPA 8260C/1311	01/18/2023 09:00	01/18/2023 16:10	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
108-90-7	Chlorobenzene	ND		mg/L	0.025	0.050	10	EPA 8260C/1311	01/18/2023 09:00	01/18/2023 16:10	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
67-66-3	Chloroform	ND		mg/L	0.025	0.050	10	EPA 8260C/1311	01/18/2023 09:00	01/18/2023 16:10	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
127-18-4	Tetrachloroethylene	ND		mg/L	0.025	0.050	10	EPA 8260C/1311	01/18/2023 09:00	01/18/2023 16:10	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
79-01-6	Trichloroethylene	ND		mg/L	0.025	0.050	10	EPA 8260C/1311	01/18/2023 09:00	01/18/2023 16:10	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		
75-01-4	Vinyl Chloride	ND		mg/L	0.025	0.050	10	EPA 8260C/1311	01/18/2023 09:00	01/18/2023 16:10	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,NELAC-NY12058,PAI		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*105 %*	*77-125*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*114 %*	*76-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.7 %*	*85-120*

Sample Information

Client Sample ID: LR-COMP-02 **York Sample ID:** 23A0573-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A0573	CZ81434.00 Love Rd BCP	Soil	January 11, 2023 2:15 pm	01/12/2023

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/kg dry	52.1	104	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:35	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	52.1	104	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:35	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**1260**		ug/kg dry	52.1	104	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:35	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
208-96-8	**Acenaphthylene**	**406**		ug/kg dry	52.1	104	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:35	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**453**		ug/kg dry	52.1	104	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:35	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
56-55-3	**Benzo(a)anthracene**	**55.7**	J	ug/kg dry	52.1	104	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:35	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	52.1	104	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:35	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	52.1	104	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:35	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	52.1	104	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:35	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	52.1	104	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:35	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**58.2**	J	ug/kg dry	52.1	104	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:35	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	52.1	104	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:35	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/kg dry	52.1	104	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:35	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**121**		ug/kg dry	52.1	104	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:35	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**1540**		ug/kg dry	52.1	104	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:35	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		ug/kg dry	52.1	104	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:35	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	52.1	104	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:35	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**999**		ug/kg dry	52.1	104	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:35	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		ug/kg dry	52.1	104	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:35	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**2900**		ug/kg dry	52.1	104	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:35	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		ug/kg dry	52.1	104	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:35	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**370**		ug/kg dry	52.1	104	2	EPA 8270D	01/16/2023 08:37	01/17/2023 19:35	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: LR-COMP-02 **York Sample ID:** 23A0573-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A0573	CZ81434.00 Love Rd BCP	Soil	January 11, 2023 2:15 pm	01/12/2023

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*61.8 %*			*20-108*						
4165-62-2	*Surrogate: SURR: Phenol-d5*	*64.4 %*			*23-114*						
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*184 %*	S-08		*22-108*						
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*94.3 %*			*21-113*						
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*71.7 %*			*19-110*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*88.8 %*			*24-116*						

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		mg/L	0.00323	0.00500	1	EPA 8270D/1311	01/17/2023 08:48	01/18/2023 13:41	KH
								Certifications: NELAC-NY10854,PADEP			
95-95-4	2,4,5-Trichlorophenol	ND		mg/L	0.00361	0.00500	1	EPA 8270D/1311	01/17/2023 08:48	01/18/2023 13:41	KH
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
88-06-2	2,4,6-Trichlorophenol	ND		mg/L	0.00327	0.00500	1	EPA 8270D/1311	01/17/2023 08:48	01/18/2023 13:41	KH
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
121-14-2	2,4-Dinitrotoluene	ND		mg/L	0.00237	0.00500	1	EPA 8270D/1311	01/17/2023 08:48	01/18/2023 13:41	KH
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
95-48-7	2-Methylphenol	ND		mg/L	0.000857	0.00500	1	EPA 8270D/1311	01/17/2023 08:48	01/18/2023 13:41	KH
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
65794-96-9	3- & 4-Methylphenols	ND		mg/L	0.00372	0.0100	1	EPA 8270D/1311	01/17/2023 08:48	01/18/2023 13:41	KH
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
1319-77-3	Cresols, total	ND		mg/L	0.00370	0.0150	1	EPA 8270D/1311	01/17/2023 08:48	01/18/2023 13:41	KH
								Certifications: CTDOH-PH-0723,NELAC-NY10854			
118-74-1	Hexachlorobenzene	ND		mg/L	0.00296	0.00500	1	EPA 8270D/1311	01/17/2023 08:48	01/18/2023 13:41	KH
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		mg/L	0.00331	0.00500	1	EPA 8270D/1311	01/17/2023 08:48	01/18/2023 13:41	KH
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
67-72-1	Hexachloroethane	ND		mg/L	0.00363	0.00500	1	EPA 8270D/1311	01/17/2023 08:48	01/18/2023 13:41	KH
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		mg/L	0.00197	0.00500	1	EPA 8270D/1311	01/17/2023 08:48	01/18/2023 13:41	KH
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
87-86-5	Pentachlorophenol	ND		mg/L	0.00376	0.00500	1	EPA 8270D/1311	01/17/2023 08:48	01/18/2023 13:41	KH
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
110-86-1	Pyridine	ND		mg/L	0.00319	0.00500	1	EPA 8270D/1311	01/17/2023 08:48	01/18/2023 13:41	KH
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*37.9 %*	*10-90.9*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*28.9 %*	*10-69.2*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*57.5 %*	*19.2-141*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*52.6 %*	*24.8-127*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*64.7 %*	*23-163*

Sample Information

Client Sample ID: LR-COMP-02 **York Sample ID:** 23A0573-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A0573	CZ81434.00 Love Rd BCP	Soil	January 11, 2023 2:15 pm	01/12/2023

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*67.8 %*			*25.8-110*						

Pesticides, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12789-03-6	Chlordane, total	ND		ug/L	0.222	0.222	1	EPA 8081B/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 08:24	01/17/2023 23:38	BJ
72-20-8	Endrin	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 08:24	01/17/2023 23:38	BJ
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 08:24	01/17/2023 23:38	BJ
76-44-8	Heptachlor	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 08:24	01/17/2023 23:38	BJ
1024-57-3	Heptachlor epoxide	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 08:24	01/17/2023 23:38	BJ
72-43-5	Methoxychlor	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 08:24	01/17/2023 23:38	BJ
8001-35-2	Toxaphene	ND		ug/L	1.11	1.11	1	EPA 8081B/1311 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 08:24	01/17/2023 23:38	BJ

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*67.0 %*	*30-120*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*55.2 %*	*30-120*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	01/15/2023 10:09	01/18/2023 17:26	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	01/15/2023 10:09	01/18/2023 17:26	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	01/15/2023 10:09	01/18/2023 17:26	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	01/15/2023 10:09	01/18/2023 17:26	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	01/15/2023 10:09	01/18/2023 17:26	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	01/15/2023 10:09	01/18/2023 17:26	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	01/15/2023 10:09	01/18/2023 17:26	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications:	01/15/2023 10:09	01/18/2023 17:26	BJ

Sample Information

Client Sample ID: LR-COMP-02 **York Sample ID:** 23A0573-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A0573	CZ81434.00 Love Rd BCP	Soil	January 11, 2023 2:15 pm	01/12/2023

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**						
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*81.0 %*		*30-140*						
2051-24-3	*Surrogate: Decachlorobiphenyl*	*77.0 %*		*30-140*						

Herbicides, TCLP Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A/1311	01/17/2023 08:59	01/17/2023 22:27	BJ-
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP			
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A/1311	01/17/2023 08:59	01/17/2023 22:27	BJ-
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP			
	Surrogate Recoveries	**Result**		**Acceptance Range**						
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)*	*2.20 %*	A-01	*10-150*						

Metals, Priority Pollutant

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	**Antimony**	**4.51**		mg/kg dry	2.20	1	EPA 6010D	01/17/2023 14:55	01/18/2023 12:56	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	**Arsenic**	**4.88**		mg/kg dry	1.32	1	EPA 6010D	01/17/2023 14:55	01/18/2023 12:56	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	**Beryllium**	**0.588**		mg/kg dry	0.044	1	EPA 6010D	01/17/2023 14:55	01/18/2023 12:56	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	Cadmium	ND		mg/kg dry	0.264	1	EPA 6010D	01/17/2023 14:55	01/18/2023 12:56	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**17.1**		mg/kg dry	0.440	1	EPA 6010D	01/17/2023 14:55	01/18/2023 12:56	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	**Copper**	**18.2**		mg/kg dry	1.76	1	EPA 6010D	01/17/2023 14:55	01/18/2023 12:56	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**19.6**		mg/kg dry	0.440	1	EPA 6010D	01/17/2023 14:55	01/18/2023 12:56	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**21.8**		mg/kg dry	0.877	1	EPA 6010D	01/17/2023 14:55	01/18/2023 12:56	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	2.20	1	EPA 6010D	01/17/2023 14:55	01/18/2023 12:56	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.444	1	EPA 6010D	01/17/2023 14:55	01/18/2023 12:56	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-28-0	Thallium	ND		mg/kg dry	2.20	1	EPA 6010D	01/17/2023 14:55	01/18/2023 12:56	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: LR-COMP-02 **York Sample ID:** 23A0573-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A0573	CZ81434.00 Love Rd BCP	Soil	January 11, 2023 2:15 pm	01/12/2023

Metals, Priority Pollutant

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**60.1**		mg/kg dry	2.19	1	EPA 6010D	01/17/2023 14:55	01/18/2023 12:56	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			

Metals, TCLP RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.375	1	EPA 6010D/1311	01/17/2023 10:56	01/17/2023 14:42	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	Barium	ND		mg/L	0.625	1	EPA 6010D/1311	01/17/2023 10:56	01/17/2023 14:42	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	Cadmium	ND		mg/L	0.075	1	EPA 6010D/1311	01/17/2023 10:56	01/17/2023 14:42	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	Chromium	ND		mg/L	0.125	1	EPA 6010D/1311	01/17/2023 10:56	01/17/2023 14:42	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	Lead	ND		mg/L	0.125	1	EPA 6010D/1311	01/17/2023 10:56	01/17/2023 14:42	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/L	0.625	1	EPA 6010D/1311	01/17/2023 10:56	01/17/2023 14:42	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/L	0.125	1	EPA 6010D/1311	01/17/2023 10:56	01/17/2023 14:42	CW
							Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0380	1	EPA 7473	01/17/2023 09:24	01/17/2023 15:08	MR
							Certifications: CTDOH-PH-0723,NJDEP,NELAC-NY10854,PADEP			

Mercury, TCLP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.000200	1	EPA 7470/1311	01/18/2023 08:24	01/18/2023 08:24	AD
							Certifications: CTDOH-PH-0723,NJDEP,PADEP,NELAC-NY10854			

Corrosivity (pH) by SM 4500/EPA 9045D

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	**6.92**		pH units	0.500	1	EPA 9045D	01/13/2023 07:46	01/13/2023 11:12	LAR
							Certifications: NELAC-NY10854,CTDOH-PH-0723,PADEP			

Reactivity-Cyanide

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: LR-COMP-02 **York Sample ID:** 23A0573-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A0573	CZ81434.00 Love Rd BCP	Soil	January 11, 2023 2:15 pm	01/12/2023

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Reactivity - Cyanide	ND		mg/kg	0.250	1	EPA SW-846 Ch.7.3.3 Certifications: CTDOH-PH-0723,PADEP	01/12/2023 16:52	01/12/2023 21:22	SL

Reactivity-Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Reactivity - Sulfide	ND		mg/kg	15.0	1	EPA SW-846 Ch.7.3.4 Certifications: CTDOH-PH-0723,PADEP	01/12/2023 16:55	01/12/2023 21:23	SL

Temperature

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Temperature**	**22.5**		°C	1.00	1	EPA 170.1 Certifications:	01/13/2023 13:06	01/13/2023 16:26	S_S

Ignitability

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Ignitability	Non-Ignit.		None	1	1	EPA 1030P Certifications:	01/16/2023 18:47	01/16/2023 19:23	ZTS

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**78.9**		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	01/16/2023 12:33	01/16/2023 15:54	sgs

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	01/16/2023 14:03	01/17/2023 09:51	AD2

TCLP Extraction for SVOCS/PEST/HERB

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP extr. for SVOA/PEST/HERBS

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311 Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP	01/16/2023 14:00	01/17/2023 09:50	AD2

TCLP Extraction for VOA by EPA 1311 ZHE

Log-in Notes:

Sample Notes: EXT-Temp

Sample Information

Client Sample ID: **LR-COMP-02** **York Sample ID:** **23A0573-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A0573	CZ81434.00 Love Rd BCP	Soil	January 11, 2023 2:15 pm	01/12/2023

Sample Prepared by Method: EPA SW 846-1311 TCLP ZHE for VOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	01/16/2023 13:56	01/17/2023 10:15	TAJ
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP,PADEP		

Analytical Batch Summary

Batch ID: BA30593 **Preparation Method:** Analysis Preparation **Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23A0573-01	LR-COMP-01	01/12/23
23A0573-02	LR-COMP-02	01/12/23
BA30593-BLK1	Blank	01/12/23

Batch ID: BA30594 **Preparation Method:** Analysis Preparation **Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23A0573-01	LR-COMP-01	01/12/23
23A0573-02	LR-COMP-02	01/12/23
BA30594-BLK1	Blank	01/12/23
BA30594-DUP1	Duplicate	01/12/23

Batch ID: BA30604 **Preparation Method:** Analysis Preparation **Prepared By:** LAR

YORK Sample ID	Client Sample ID	Preparation Date
23A0573-01	LR-COMP-01	01/13/23
23A0573-02	LR-COMP-02	01/13/23
BA30604-DUP1	Duplicate	01/13/23

Batch ID: BA30649 **Preparation Method:** Analysis Preparation **Prepared By:** S_S

YORK Sample ID	Client Sample ID	Preparation Date
23A0573-01	LR-COMP-01	01/13/23
23A0573-02	LR-COMP-02	01/13/23
BA30649-DUP1	Duplicate	01/13/23

Batch ID: BA30674 **Preparation Method:** EPA 3550C **Prepared By:** CLO

YORK Sample ID	Client Sample ID	Preparation Date
23A0573-01	LR-COMP-01	01/15/23
23A0573-02	LR-COMP-02	01/15/23
BA30674-BLK2	Blank	01/15/23
BA30674-BS2	LCS	01/15/23
BA30674-MS2	Matrix Spike	01/15/23
BA30674-MSD2	Matrix Spike Dup	01/15/23

Batch ID: BA30689 **Preparation Method:** EPA 3550C **Prepared By:** FK

YORK Sample ID	Client Sample ID	Preparation Date
23A0573-01	LR-COMP-01	01/16/23
23A0573-02	LR-COMP-02	01/16/23
23A0573-02RE1	LR-COMP-02	01/16/23

BA30689-BLK1	Blank	01/16/23
BA30689-BS1	LCS	01/16/23
BA30689-MS1	Matrix Spike	01/16/23
BA30689-MSD1	Matrix Spike Dup	01/16/23

Batch ID: BA30726 **Preparation Method:** % Solids Prep **Prepared By:** sgs

YORK Sample ID	Client Sample ID	Preparation Date
23A0573-01	LR-COMP-01	01/16/23
23A0573-02	LR-COMP-02	01/16/23
BA30726-DUP1	Duplicate	01/16/23

Batch ID: BA30729 **Preparation Method:** EPA SW 846-1311 TCLP ZHE for VO **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
23A0573-01	LR-COMP-01	01/16/23
23A0573-02	LR-COMP-02	01/16/23
BA30729-BLK1	Blank	01/16/23

Batch ID: BA30730 **Preparation Method:** EPA SW 846-1311 TCLP extr. for SV(**Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
23A0573-01	LR-COMP-01	01/16/23
23A0573-02	LR-COMP-02	01/16/23
BA30730-BLK1	Blank	01/16/23

Batch ID: BA30732 **Preparation Method:** EPA SW 846-1311 TCLP ext. for meta **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
23A0573-01	LR-COMP-01	01/16/23
23A0573-02	LR-COMP-02	01/16/23
BA30732-BLK1	Blank	01/16/23

Batch ID: BA30758 **Preparation Method:** Analysis Preparation **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
23A0573-01	LR-COMP-01	01/16/23
23A0573-02	LR-COMP-02	01/16/23

Batch ID: BA30777 **Preparation Method:** EPA 3510C/1311 **Prepared By:** CCH

YORK Sample ID	Client Sample ID	Preparation Date
23A0573-01	LR-COMP-01	01/17/23
23A0573-02	LR-COMP-02	01/17/23
BA30777-BLK1	Blank	01/17/23
BA30777-BS1	LCS	01/17/23
BA30777-BSD1	LCS Dup	01/17/23

BA30777-LBK1	Leach Fluid Blank	01/17/23
BA30777-MS1	Matrix Spike	01/17/23

Batch ID: BA30784 **Preparation Method:** EPA 3510C **Prepared By:** RST

YORK Sample ID	Client Sample ID	Preparation Date
23A0573-01	LR-COMP-01	01/17/23
23A0573-02	LR-COMP-02	01/17/23
BA30784-BLK1	Blank	01/17/23
BA30784-BS1	LCS	01/17/23
BA30784-BSD1	LCS Dup	01/17/23
BA30784-LBK1	Leach Fluid Blank	01/17/23
BA30784-MS1	Matrix Spike	01/17/23

Batch ID: BA30787 **Preparation Method:** EPA 3535A/1311 **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
23A0573-01	LR-COMP-01	01/17/23
23A0573-02	LR-COMP-02	01/17/23
BA30787-BLK1	Blank	01/17/23
BA30787-BS1	LCS	01/17/23
BA30787-BSD1	LCS Dup	01/17/23
BA30787-LBK1	Leach Fluid Blank	01/17/23
BA30787-MS1	Matrix Spike	01/17/23

Batch ID: BA30797 **Preparation Method:** EPA 7473 soil **Prepared By:** MR

YORK Sample ID	Client Sample ID	Preparation Date
23A0573-01	LR-COMP-01	01/17/23
23A0573-02	LR-COMP-02	01/17/23
BA30797-BLK1	Blank	01/17/23
BA30797-DUP1	Duplicate	01/17/23
BA30797-MS1	Matrix Spike	01/17/23
BA30797-SRM1	Reference	01/17/23

Batch ID: BA30804 **Preparation Method:** EPA 3015A/1311 **Prepared By:** MCS

YORK Sample ID	Client Sample ID	Preparation Date
23A0573-01	LR-COMP-01	01/17/23
23A0573-02	LR-COMP-02	01/17/23
BA30804-BLK1	Blank	01/17/23
BA30804-BS1	LCS	01/17/23
BA30804-DUP1	Duplicate	01/17/23
BA30804-LBK1	Leach Fluid Blank	01/17/23
BA30804-MS1	Matrix Spike	01/17/23
BA30804-PS1	Post Spike	01/17/23

Batch ID: BA30827 **Preparation Method:** EPA 3050B **Prepared By:** KMQ

YORK Sample ID	Client Sample ID	Preparation Date
23A0573-01	LR-COMP-01	01/17/23
23A0573-02	LR-COMP-02	01/17/23
BA30827-BLK1	Blank	01/17/23
BA30827-DUP1	Duplicate	01/17/23
BA30827-MS1	Matrix Spike	01/17/23
BA30827-PS1	Post Spike	01/17/23
BA30827-SRM1	Reference	01/17/23

Batch ID: BA30864 **Preparation Method:** EPA SW846-7470A **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
23A0573-01	LR-COMP-01	01/18/23
23A0573-02	LR-COMP-02	01/18/23
BA30864-BLK1	Blank	01/18/23
BA30864-BLK2	Blank	01/18/23
BA30864-BS1	LCS	01/18/23
BA30864-BS2	LCS	01/18/23

Batch ID: BA30889 **Preparation Method:** EPA 5030B/1311 **Prepared By:** FTR

YORK Sample ID	Client Sample ID	Preparation Date
23A0573-01	LR-COMP-01	01/18/23
23A0573-02	LR-COMP-02	01/18/23
BA30889-BLK1	Blank	01/18/23
BA30889-BS1	LCS	01/18/23
BA30889-BSD1	LCS Dup	01/18/23
BA30889-DUP1	Duplicate	01/18/23
BA30889-LBK1	Leach Fluid Blank	01/18/23

Batch ID: BA31052 **Preparation Method:** EPA 5035A **Prepared By:** FTR

YORK Sample ID	Client Sample ID	Preparation Date
23A0573-01	LR-COMP-01	01/20/23
23A0573-02	LR-COMP-02	01/20/23
BA31052-BLK1	Blank	01/20/23
BA31052-BLK2	Blank	01/20/23
BA31052-BS1	LCS	01/20/23
BA31052-BSD1	LCS Dup	01/20/23

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30889 - EPA 5030B/1311											
Blank (BA30889-BLK1)								Prepared & Analyzed: 01/18/2023			
1,1-Dichloroethylene	ND	0.0050	mg/L								
1,2-Dichloroethane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
Benzene	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.8*		*ug/L*	*50.0*		*106*	*77-125*				
Surrogate: SURR: p-Bromofluorobenzene	*57.2*		*"*	*50.0*		*114*	*76-130*				
Surrogate: SURR: Toluene-d8	*48.8*		*"*	*50.0*		*97.7*	*85-120*				
LCS (BA30889-BS1)								Prepared & Analyzed: 01/18/2023			
1,1-Dichloroethylene	55		ug/L	50.0		110	68-134				
1,2-Dichloroethane	53		"	50.0		106	69-133				
1,4-Dichlorobenzene	49		"	50.0		98.6	82-124				
2-Butanone	47		"	50.0		93.1	44-169				
Benzene	49		"	50.0		97.5	72-134				
Carbon tetrachloride	50		"	50.0		99.5	62-145				
Chlorobenzene	50		"	50.0		99.5	85-119				
Chloroform	50		"	50.0		100	74-131				
Tetrachloroethylene	35		"	50.0		70.1	78-133	Low Bias			
Trichloroethylene	49		"	50.0		97.4	81-125				
Vinyl Chloride	53		"	50.0		107	42-136				
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.9*		*"*	*50.0*		*102*	*77-125*				
Surrogate: SURR: p-Bromofluorobenzene	*52.8*		*"*	*50.0*		*106*	*76-130*				
Surrogate: SURR: Toluene-d8	*48.7*		*"*	*50.0*		*97.4*	*85-120*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30889 - EPA 5030B/1311											
LCS Dup (BA30889-BSD1)								Prepared & Analyzed: 01/18/2023			
1,1-Dichloroethylene	60		ug/L	50.0		119	68-134		8.10	30	
1,2-Dichloroethane	53		"	50.0		107	69-133		0.526	30	
1,4-Dichlorobenzene	49		"	50.0		97.4	82-124		1.20	30	
2-Butanone	47		"	50.0		93.8	44-169		0.749	30	
Benzene	49		"	50.0		97.1	72-134		0.370	30	
Carbon tetrachloride	50		"	50.0		99.2	62-145		0.282	30	
Chlorobenzene	50		"	50.0		100	85-119		0.761	30	
Chloroform	51		"	50.0		102	74-131		1.37	30	
Tetrachloroethylene	36		"	50.0		71.1	78-133	Low Bias	1.47	30	
Trichloroethylene	49		"	50.0		97.2	81-125		0.226	30	
Vinyl Chloride	52		"	50.0		104	42-136		2.87	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.5*		*"*	*50.0*		*97.1*	*77-125*				
Surrogate: SURR: p-Bromofluorobenzene	*52.7*		*"*	*50.0*		*105*	*76-130*				
Surrogate: SURR: Toluene-d8	*49.0*		*"*	*50.0*		*98.1*	*85-120*				
Duplicate (BA30889-DUP1)	*Source sample: 23A0698-02 (Duplicate)							Prepared & Analyzed: 01/18/2023			
1,1-Dichloroethylene	ND	0.050	mg/L		ND					200	
1,2-Dichloroethane	ND	0.050	"		ND					200	
1,4-Dichlorobenzene	ND	0.050	"		ND					200	
2-Butanone	ND	0.050	"		ND					200	
Benzene	ND	0.050	"		ND					200	
Carbon tetrachloride	ND	0.050	"		ND					200	
Chlorobenzene	ND	0.050	"		ND					200	
Chloroform	ND	0.050	"		ND					200	
Tetrachloroethylene	ND	0.050	"		ND					200	
Trichloroethylene	ND	0.050	"		ND					200	
Vinyl Chloride	ND	0.050	"		ND					200	
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.9*		*ug/L*	*50.0*		*104*	*77-125*				
Surrogate: SURR: p-Bromofluorobenzene	*57.3*		*"*	*50.0*		*115*	*76-130*				
Surrogate: SURR: Toluene-d8	*47.0*		*"*	*50.0*		*94.1*	*85-120*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30889 - EPA 5030B/1311											
Leach Fluid Blank (BA30889-LBK1)											Prepared & Analyzed: 01/18/2023
1,1-Dichloroethylene	ND	0.050	mg/L								
1,2-Dichloroethane	ND	0.050	"								
1,4-Dichlorobenzene	ND	0.050	"								
2-Butanone	ND	0.050	"								
Benzene	ND	0.050	"								
Carbon tetrachloride	ND	0.050	"								
Chlorobenzene	ND	0.050	"								
Chloroform	ND	0.050	"								
Tetrachloroethylene	ND	0.050	"								
Trichloroethylene	ND	0.050	"								
Vinyl Chloride	ND	0.050	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.0*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: SURR: p-Bromofluorobenzene	*58.1*		*"*	*50.0*		*116*	*76-130*				
Surrogate: SURR: Toluene-d8	*47.9*		*"*	*50.0*		*95.7*	*85-120*				
Batch BA31052 - EPA 5035A											
Blank (BA31052-BLK1)											Prepared & Analyzed: 01/20/2023
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Benzene	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroform	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA31052 - EPA 5035A											
Blank (BA31052-BLK1)										Prepared & Analyzed: 01/20/2023	
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.1*		*ug/L*	*50.0*		*98.1*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.7*		*"*	*50.0*		*99.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.8*		*"*	*50.0*		*108*	*76-130*				
Blank (BA31052-BLK2)										Prepared & Analyzed: 01/20/2023	
1,1,1-Trichloroethane	ND	0.50	mg/kg wet								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	10	"								
2-Butanone	ND	0.50	"								
Acetone	ND	1.0	"								
Benzene	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroform	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	1.0	"								
Naphthalene	ND	1.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
sec-Butylbenzene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.6*		*ug/L*	*50.0*		*97.1*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.9*		*"*	*50.0*		*99.8*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.0*		*"*	*50.0*		*108*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA31052 - EPA 5035A											
LCS (BA31052-BS1)							Prepared & Analyzed: 01/20/2023				
1,1,1-Trichloroethane	50		ug/L	50.0		101	71-137				
1,1-Dichloroethane	48		"	50.0		95.3	75-130				
1,1-Dichloroethylene	52		"	50.0		104	64-137				
1,2,4-Trimethylbenzene	50		"	50.0		100	84-125				
1,2-Dichlorobenzene	49		"	50.0		98.2	85-122				
1,2-Dichloroethane	49		"	50.0		98.0	71-133				
1,3,5-Trimethylbenzene	50		"	50.0		99.0	82-126				
1,3-Dichlorobenzene	49		"	50.0		97.2	84-124				
1,4-Dichlorobenzene	49		"	50.0		97.2	84-124				
1,4-Dioxane	1000		"	1050		97.3	10-228				
2-Butanone	45		"	50.0		90.7	58-147				
Acetone	26		"	50.0		52.5	36-155				
Benzene	49		"	50.0		98.9	77-127				
Carbon tetrachloride	50		"	50.0		100	66-143				
Chlorobenzene	52		"	50.0		104	86-120				
Chloroform	49		"	50.0		98.4	76-131				
cis-1,2-Dichloroethylene	49		"	50.0		97.7	74-132				
Ethyl Benzene	50		"	50.0		99.6	84-125				
Methyl tert-butyl ether (MTBE)	47		"	50.0		94.5	74-131				
Methylene chloride	49		"	50.0		98.7	57-141				
Naphthalene	50		"	50.0		101	86-141				
n-Butylbenzene	48		"	50.0		96.1	80-130				
n-Propylbenzene	51		"	50.0		103	74-136				
o-Xylene	50		"	50.0		99.6	83-123				
p- & m- Xylenes	99		"	100		98.7	82-128				
sec-Butylbenzene	50		"	50.0		101	83-125				
tert-Butylbenzene	51		"	50.0		102	80-127				
Tetrachloroethylene	45		"	50.0		90.1	80-129				
Toluene	49		"	50.0		98.1	85-121				
trans-1,2-Dichloroethylene	50		"	50.0		100	72-132				
Trichloroethylene	49		"	50.0		98.8	84-123				
Vinyl Chloride	51		"	50.0		102	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.6*		*"*	*50.0*		*99.3*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.8*		*"*	*50.0*		*99.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.1*		*"*	*50.0*		*104*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA31052 - EPA 5035A											
LCS Dup (BA31052-BSD1)								Prepared & Analyzed: 01/20/2023			
1,1,1-Trichloroethane	50		ug/L	50.0		99.7	71-137		0.819	30	
1,1-Dichloroethane	48		"	50.0		95.4	75-130		0.147	30	
1,1-Dichloroethylene	52		"	50.0		104	64-137		0.499	30	
1,2,4-Trimethylbenzene	50		"	50.0		100	84-125		0.0597	30	
1,2-Dichlorobenzene	49		"	50.0		97.9	85-122		0.388	30	
1,2-Dichloroethane	48		"	50.0		96.9	71-133		1.13	30	
1,3,5-Trimethylbenzene	50		"	50.0		99.9	82-126		0.945	30	
1,3-Dichlorobenzene	49		"	50.0		98.7	84-124		1.47	30	
1,4-Dichlorobenzene	49		"	50.0		97.0	84-124		0.165	30	
1,4-Dioxane	1000		"	1050		97.3	10-228		0.0362	30	
2-Butanone	44		"	50.0		87.5	58-147		3.68	30	
Acetone	26		"	50.0		51.6	36-155		1.81	30	
Benzene	49		"	50.0		98.3	77-127		0.588	30	
Carbon tetrachloride	51		"	50.0		101	66-143		0.974	30	
Chlorobenzene	52		"	50.0		103	86-120		0.482	30	
Chloroform	49		"	50.0		97.6	76-131		0.816	30	
cis-1,2-Dichloroethylene	48		"	50.0		96.5	74-132		1.28	30	
Ethyl Benzene	49		"	50.0		98.4	84-125		1.23	30	
Methyl tert-butyl ether (MTBE)	47		"	50.0		94.0	74-131		0.509	30	
Methylene chloride	48		"	50.0		96.0	57-141		2.73	30	
Naphthalene	51		"	50.0		101	86-141		0.514	30	
n-Butylbenzene	49		"	50.0		97.6	80-130		1.49	30	
n-Propylbenzene	52		"	50.0		104	74-136		1.03	30	
o-Xylene	49		"	50.0		98.0	83-123		1.62	30	
p- & m- Xylenes	97		"	100		96.7	82-128		2.08	30	
sec-Butylbenzene	51		"	50.0		102	83-125		1.03	30	
tert-Butylbenzene	51		"	50.0		102	80-127		0.176	30	
Tetrachloroethylene	44		"	50.0		88.7	80-129		1.63	30	
Toluene	49		"	50.0		98.0	85-121		0.143	30	
trans-1,2-Dichloroethylene	49		"	50.0		98.9	72-132		1.11	30	
Trichloroethylene	50		"	50.0		100	84-123		1.17	30	
Vinyl Chloride	50		"	50.0		99.7	52-130		2.36	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.2*		*"*	*50.0*		*98.4*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.0*		*"*	*50.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.1*		*"*	*50.0*		*106*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30689 - EPA 3550C											
Blank (BA30689-BLK1)											
Prepared: 01/16/2023 Analyzed: 01/17/2023											
2-Methylphenol	ND	41.7	ug/kg wet								
3- & 4-Methylphenols	ND	41.7	"								
Acenaphthene	ND	41.7	"								
Acenaphthylene	ND	41.7	"								
Anthracene	ND	41.7	"								
Benzo(a)anthracene	ND	41.7	"								
Benzo(a)pyrene	ND	41.7	"								
Benzo(b)fluoranthene	ND	41.7	"								
Benzo(g,h,i)perylene	ND	41.7	"								
Benzo(k)fluoranthene	ND	41.7	"								
Chrysene	ND	41.7	"								
Dibenzo(a,h)anthracene	ND	41.7	"								
Dibenzofuran	ND	41.7	"								
Fluoranthene	ND	41.7	"								
Fluorene	ND	41.7	"								
Hexachlorobenzene	ND	41.7	"								
Indeno(1,2,3-cd)pyrene	ND	41.7	"								
Naphthalene	ND	41.7	"								
Pentachlorophenol	ND	41.7	"								
Phenanthrene	ND	41.7	"								
Phenol	ND	41.7	"								
Pyrene	ND	41.7	"								
Surrogate: SURR: 2-Fluorophenol	*934*		"	*1670*		*56.0*	*20-108*				
Surrogate: SURR: Phenol-d5	*923*		"	*1670*		*55.4*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*525*		"	*833*		*63.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*478*		"	*833*		*57.4*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*986*		"	*1670*		*59.2*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*565*		"	*833*		*67.8*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30689 - EPA 3550C											
LCS (BA30689-BS1)									Prepared: 01/16/2023 Analyzed: 01/17/2023		
2-Methylphenol	432	41.7	ug/kg wet	833		51.9	10-146				
3- & 4-Methylphenols	386	41.7	"	833		46.3	20-109				
Acenaphthene	439	41.7	"	833		52.7	17-124				
Acenaphthylene	411	41.7	"	833		49.3	16-124				
Anthracene	486	41.7	"	833		58.3	24-124				
Benzo(a)anthracene	464	41.7	"	833		55.7	25-134				
Benzo(a)pyrene	389	41.7	"	833		46.7	29-144				
Benzo(b)fluoranthene	417	41.7	"	833		50.0	20-151				
Benzo(g,h,i)perylene	421	41.7	"	833		50.5	10-153				
Benzo(k)fluoranthene	411	41.7	"	833		49.3	10-148				
Chrysene	440	41.7	"	833		52.8	24-116				
Dibenzo(a,h)anthracene	423	41.7	"	833		50.8	17-147				
Dibenzofuran	444	41.7	"	833		53.3	23-123				
Fluoranthene	439	41.7	"	833		52.6	36-125				
Fluorene	449	41.7	"	833		53.8	16-130				
Hexachlorobenzene	454	41.7	"	833		54.5	10-129				
Indeno(1,2,3-cd)pyrene	506	41.7	"	833		60.8	10-155				
Naphthalene	449	41.7	"	833		53.8	20-121				
Pentachlorophenol	350	41.7	"	833		42.0	10-143				
Phenanthrene	465	41.7	"	833		55.8	24-123				
Phenol	432	41.7	"	833		51.8	15-123				
Pyrene	469	41.7	"	833		56.2	24-132				
Surrogate: SURR: 2-Fluorophenol	*874*		*"*	*1670*		*52.5*	*20-108*				
Surrogate: SURR: Phenol-d5	*872*		*"*	*1670*		*52.3*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*476*		*"*	*833*		*57.1*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*451*		*"*	*833*		*54.1*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*953*		*"*	*1670*		*57.2*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*525*		*"*	*833*		*63.0*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30689 - EPA 3550C											
Matrix Spike (BA30689-MS1)	*Source sample: 23A0626-02 (Matrix Spike)							Prepared: 01/16/2023 Analyzed: 01/17/2023			
2-Methylphenol	669	94.2	ug/kg dry	942	ND	71.0	10-160				
3- & 4-Methylphenols	489	94.2	"	942	ND	51.9	16-115				
Acenaphthene	557	94.2	"	942	ND	59.2	13-133				
Acenaphthylene	502	94.2	"	942	ND	53.4	25-125				
Anthracene	565	94.2	"	942	ND	60.0	27-128				
Benzo(a)anthracene	563	94.2	"	942	ND	59.8	20-147				
Benzo(a)pyrene	432	94.2	"	942	ND	45.9	18-153				
Benzo(b)fluoranthene	482	94.2	"	942	ND	51.2	10-163				
Benzo(g,h,i)perylene	478	94.2	"	942	ND	50.7	10-157				
Benzo(k)fluoranthene	480	94.2	"	942	ND	51.0	10-157				
Chrysene	526	94.2	"	942	ND	55.8	18-133				
Dibenzo(a,h)anthracene	495	94.2	"	942	ND	52.6	10-146				
Dibenzofuran	551	94.2	"	942	ND	58.5	26-134				
Fluoranthene	526	94.2	"	942	ND	55.8	10-155				
Fluorene	557	94.2	"	942	ND	59.2	12-150				
Hexachlorobenzene	567	94.2	"	942	ND	60.2	16-142				
Indeno(1,2,3-cd)pyrene	583	94.2	"	942	ND	61.9	10-155				
Naphthalene	1790	94.2	"	942	3180	NR	15-132	Low Bias			
Pentachlorophenol	426	94.2	"	942	ND	45.2	10-160				
Phenanthrene	588	94.2	"	942	63.4	55.7	10-151				
Phenol	531	94.2	"	942	ND	56.4	11-124				
Pyrene	585	94.2	"	942	ND	62.2	13-148				
Surrogate: SURR: 2-Fluorophenol	*1090*		*"*	*1880*		*58.1*	*20-108*				
Surrogate: SURR: Phenol-d5	*1120*		*"*	*1880*		*59.7*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*628*		*"*	*942*		*66.7*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*554*		*"*	*942*		*58.9*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1170*		*"*	*1880*		*62.2*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*663*		*"*	*942*		*70.4*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30689 - EPA 3550C											
Matrix Spike Dup (BA30689-MSD1)	*Source sample: 23A0626-02 (Matrix Spike Dup)								Prepared: 01/16/2023 Analyzed: 01/17/2023		
2-Methylphenol	815	94.2	ug/kg dry	942	ND	86.6	10-160		19.7	30	
3- & 4-Methylphenols	580	94.2	"	942	ND	61.6	16-115		17.1	30	
Acenaphthene	655	94.2	"	942	ND	69.5	13-133		16.0	30	
Acenaphthylene	590	94.2	"	942	ND	62.6	25-125		16.0	30	
Anthracene	670	94.2	"	942	ND	71.2	27-128		17.1	30	
Benzo(a)anthracene	650	94.2	"	942	ND	69.0	20-147		14.4	30	
Benzo(a)pyrene	515	94.2	"	942	ND	54.6	18-153		17.3	30	
Benzo(b)fluoranthene	587	94.2	"	942	ND	62.3	10-163		19.6	30	
Benzo(g,h,i)perylene	553	94.2	"	942	ND	58.7	10-157		14.6	30	
Benzo(k)fluoranthene	570	94.2	"	942	ND	60.5	10-157		17.1	30	
Chrysene	611	94.2	"	942	ND	64.9	18-133		15.0	30	
Dibenzo(a,h)anthracene	601	94.2	"	942	ND	63.8	10-146		19.4	30	
Dibenzofuran	651	94.2	"	942	ND	69.1	26-134		16.7	30	
Fluoranthene	618	94.2	"	942	ND	65.7	10-155		16.2	30	
Fluorene	665	94.2	"	942	ND	70.6	12-150		17.6	30	
Hexachlorobenzene	651	94.2	"	942	ND	69.1	16-142		13.7	30	
Indeno(1,2,3-cd)pyrene	674	94.2	"	942	ND	71.6	10-155		14.5	30	
Naphthalene	3130	94.2	"	942	3180	NR	15-132	Low Bias	54.3	30	Non-dir.
Pentachlorophenol	479	94.2	"	942	ND	50.9	10-160		11.8	30	
Phenanthrene	698	94.2	"	942	63.4	67.3	10-151		17.1	30	
Phenol	639	94.2	"	942	ND	67.8	11-124		18.4	30	
Pyrene	667	94.2	"	942	ND	70.8	13-148		13.0	30	
Surrogate: SURR: 2-Fluorophenol	*1240*		"	*1880*		*65.9*	*20-108*				
Surrogate: SURR: Phenol-d5	*1260*		"	*1880*		*67.2*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*719*		"	*942*		*76.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*615*		"	*942*		*65.4*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1310*		"	*1880*		*69.5*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*722*		"	*942*		*76.7*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30784 - EPA 3510C											
Blank (BA30784-BLK1)											Prepared: 01/17/2023 Analyzed: 01/18/2023
1,4-Dichlorobenzene	ND	0.00500	mg/L								
2,4,5-Trichlorophenol	ND	0.00500	"								
2,4,6-Trichlorophenol	ND	0.00500	"								
2,4-Dinitrotoluene	ND	0.00500	"								
2-Methylphenol	ND	0.00500	"								
3- & 4-Methylphenols	ND	0.0100	"								
Cresols, total	ND	0.0150	"								
Hexachlorobenzene	ND	0.00500	"								
Hexachlorobutadiene	ND	0.00500	"								
Hexachloroethane	ND	0.00500	"								
Nitrobenzene	ND	0.00500	"								
Pentachlorophenol	ND	0.00500	"								
Pyridine	ND	0.00500	"								
Surrogate: SURR: 2-Fluorophenol	*0.0301*		*"*	*0.0500*		*60.1*	*10-90.9*				
Surrogate: SURR: Phenol-d5	*0.0189*		*"*	*0.0500*		*37.7*	*10-69.2*				
Surrogate: SURR: Nitrobenzene-d5	*0.0244*		*"*	*0.0250*		*97.5*	*19.2-141*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.0205*		*"*	*0.0250*		*82.0*	*24.8-127*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.0682*		*"*	*0.0500*		*136*	*23-163*				
Surrogate: SURR: Terphenyl-d14	*0.0280*		*"*	*0.0250*		*112*	*25.8-110*				
LCS (BA30784-BS1)											Prepared: 01/17/2023 Analyzed: 01/18/2023
1,4-Dichlorobenzene	0.0170	0.00500	mg/L	0.0250		68.0	42.7-102				
2,4,5-Trichlorophenol	0.0212	0.00500	"	0.0250		84.8	33-141				
2,4,6-Trichlorophenol	0.0208	0.00500	"	0.0250		83.2	35-138				
2,4-Dinitrotoluene	0.0314	0.00500	"	0.0250		126	38.6-153				
2-Methylphenol	0.0177	0.00500	"	0.0250		70.7	34.7-106				
3- & 4-Methylphenols	0.0154	0.0100	"	0.0250		61.6	30.1-94				
Cresols, total	0.0331	0.0150	"	0.0500		66.1	30.1-106				
Hexachlorobenzene	0.0211	0.00500	"	0.0250		84.2	38.9-109				
Hexachlorobutadiene	0.0210	0.00500	"	0.0250		84.2	24.3-132				
Hexachloroethane	0.0181	0.00500	"	0.0250		72.5	36.7-102				
Nitrobenzene	0.0224	0.00500	"	0.0250		89.4	33.3-122				
Pentachlorophenol	0.0155	0.00500	"	0.0250		62.2	22.2-137				
Pyridine	0.00456	0.00500	"	0.0255		17.9	14.9-73.5				
Surrogate: SURR: 2-Fluorophenol	*0.0263*		*"*	*0.0500*		*52.6*	*10-90.9*				
Surrogate: SURR: Phenol-d5	*0.0203*		*"*	*0.0500*		*40.6*	*10-69.2*				
Surrogate: SURR: Nitrobenzene-d5	*0.0249*		*"*	*0.0250*		*99.5*	*19.2-141*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.0192*		*"*	*0.0250*		*76.7*	*24.8-127*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.0623*		*"*	*0.0500*		*125*	*23-163*				
Surrogate: SURR: Terphenyl-d14	*0.0249*		*"*	*0.0250*		*99.6*	*25.8-110*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30784 - EPA 3510C											
LCS Dup (BA30784-BSD1)									Prepared: 01/17/2023 Analyzed: 01/18/2023		
1,4-Dichlorobenzene	0.0230	0.00500	mg/L	0.0250		91.8	42.7-102		29.8	21.2	Non-dir.
2,4,5-Trichlorophenol	0.0295	0.00500	"	0.0250		118	33-141		32.8	22.9	Non-dir.
2,4,6-Trichlorophenol	0.0294	0.00500	"	0.0250		118	35-138		34.3	23.4	Non-dir.
2,4-Dinitrotoluene	0.0418	0.00500	"	0.0250		167	38.6-153	High Bias	28.4	24.8	Non-dir.
2-Methylphenol	0.0246	0.00500	"	0.0250		98.3	34.7-106		32.7	25.9	Non-dir.
3- & 4-Methylphenols	0.0211	0.0100	"	0.0250		84.6	30.1-94		31.4	24.9	Non-dir.
Cresols, total	0.0457	0.0150	"	0.0500		91.4	30.1-106		32.1	25.9	Non-dir.
Hexachlorobenzene	0.0293	0.00500	"	0.0250		117	38.9-109	High Bias	32.7	27.1	Non-dir.
Hexachlorobutadiene	0.0300	0.00500	"	0.0250		120	24.3-132		35.1	22	Non-dir.
Hexachloroethane	0.0250	0.00500	"	0.0250		100	36.7-102		31.9	20.4	Non-dir.
Nitrobenzene	0.0302	0.00500	"	0.0250		121	33.3-122		29.7	24.1	Non-dir.
Pentachlorophenol	0.0231	0.00500	"	0.0250		92.2	22.2-137		39.0	36.9	Non-dir.
Pyridine	0.00566	0.00500	"	0.0255		22.2	14.9-73.5		21.5	50	
Surrogate: SURR: 2-Fluorophenol	*0.0344*		*"*	*0.0500*		*68.9*	*10-90.9*				
Surrogate: SURR: Phenol-d5	*0.0244*		*"*	*0.0500*		*48.8*	*10-69.2*				
Surrogate: SURR: Nitrobenzene-d5	*0.0280*		*"*	*0.0250*		*112*	*19.2-141*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.0227*		*"*	*0.0250*		*90.6*	*24.8-127*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.0710*		*"*	*0.0500*		*142*	*23-163*				
Surrogate: SURR: Terphenyl-d14	*0.0286*		*"*	*0.0250*		*114*	*25.8-110*				
Leach Fluid Blank (BA30784-LBK1)									Prepared: 01/17/2023 Analyzed: 01/18/2023		
1,4-Dichlorobenzene	ND	0.00500	mg/L								
2,4,5-Trichlorophenol	ND	0.00500	"								
2,4,6-Trichlorophenol	ND	0.00500	"								
2,4-Dinitrotoluene	ND	0.00500	"								
2-Methylphenol	ND	0.00500	"								
3- & 4-Methylphenols	ND	0.0100	"								
Cresols, total	ND	0.0150	"								
Hexachlorobenzene	ND	0.00500	"								
Hexachlorobutadiene	ND	0.00500	"								
Hexachloroethane	ND	0.00500	"								
Nitrobenzene	ND	0.00500	"								
Pentachlorophenol	ND	0.00500	"								
Pyridine	ND	0.00500	"								
Surrogate: SURR: 2-Fluorophenol	*0.0293*		*"*	*0.0500*		*58.7*	*10-90.9*				
Surrogate: SURR: Phenol-d5	*0.0215*		*"*	*0.0500*		*43.0*	*10-69.2*				
Surrogate: SURR: Nitrobenzene-d5	*0.0242*		*"*	*0.0250*		*97.0*	*19.2-141*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.0193*		*"*	*0.0250*		*77.2*	*24.8-127*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.0653*		*"*	*0.0500*		*131*	*23-163*				
Surrogate: SURR: Terphenyl-d14	*0.0261*		*"*	*0.0250*		*105*	*25.8-110*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30784 - EPA 3510C											
Matrix Spike (BA30784-MS1)	*Source sample: 23A0698-01 (Matrix Spike)							Prepared: 01/17/2023 Analyzed: 01/18/2023			
1,4-Dichlorobenzene	0.0207	0.00500	mg/L	0.0250	ND	82.7	26-95				
2,4,5-Trichlorophenol	0.0262	0.00500	"	0.0250	ND	105	44-96	High Bias			
2,4,6-Trichlorophenol	0.0249	0.00500	"	0.0250	ND	99.6	39-107				
2,4-Dinitrotoluene	0.0384	0.00500	"	0.0250	ND	153	26-120	High Bias			
2-Methylphenol	0.0218	0.00500	"	0.0250	ND	87.3	10-118				
3- & 4-Methylphenols	0.0198	0.0100	"	0.0250	ND	79.1	10-102				
Cresols, total	0.0416	0.0150	"	0.0500	ND	83.2	30-130				
Hexachlorobenzene	0.0249	0.00500	"	0.0250	ND	99.8	24-120				
Hexachlorobutadiene	0.0269	0.00500	"	0.0250	ND	108	26-98	High Bias			
Hexachloroethane	0.0230	0.00500	"	0.0250	ND	92.2	11-102				
Nitrobenzene	0.0276	0.00500	"	0.0250	ND	110	25-107	High Bias			
Pentachlorophenol	0.0219	0.00500	"	0.0250	ND	87.5	10-181				
Pyridine	0.0113	0.00500	"	0.0255	ND	44.3	10-73				
Surrogate: SURR: 2-Fluorophenol	*0.0302*		*"*	*0.0500*		*60.4*	*10-90.9*				
Surrogate: SURR: Phenol-d5	*0.0242*		*"*	*0.0500*		*48.3*	*10-69.2*				
Surrogate: SURR: Nitrobenzene-d5	*0.0257*		*"*	*0.0250*		*103*	*19.2-141*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.0198*		*"*	*0.0250*		*79.2*	*24.8-127*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.0635*		*"*	*0.0500*		*127*	*23-163*				
Surrogate: SURR: Terphenyl-d14	*0.0245*		*"*	*0.0250*		*97.9*	*25.8-110*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30777 - EPA 3510C/1311											
Blank (BA30777-BLK1)								Prepared & Analyzed: 01/17/2023			
Chlordane, total	ND	0.200	ug/L								
Endrin	ND	0.0400	"								
gamma-BHC (Lindane)	ND	0.0400	"								
Heptachlor	ND	0.0400	"								
Heptachlor epoxide	ND	0.0400	"								
Methoxychlor	ND	0.0400	"								
Toxaphene	ND	1.00	"								
Surrogate: Decachlorobiphenyl	*1.25*		*"*	*2.00*		*62.6*	*30-120*				
Surrogate: Tetrachloro-m-xylene	*1.52*		*"*	*2.00*		*76.2*	*30-120*				
LCS (BA30777-BS1)								Prepared & Analyzed: 01/17/2023			
Endrin	0.894	0.0400	ug/L	1.00		89.4	40-120				
gamma-BHC (Lindane)	0.941	0.0400	"	1.00		94.1	40-120				
Heptachlor	0.926	0.0400	"	1.00		92.6	40-120				
Heptachlor epoxide	0.985	0.0400	"	1.00		98.5	40-120				
Methoxychlor	0.780	0.0400	"	1.00		78.0	40-120				
Surrogate: Decachlorobiphenyl	*1.17*		*"*	*2.00*		*58.6*	*30-120*				
Surrogate: Tetrachloro-m-xylene	*1.57*		*"*	*2.00*		*78.4*	*30-120*				
LCS Dup (BA30777-BSD1)								Prepared & Analyzed: 01/17/2023			
Endrin	0.822	0.0400	ug/L	1.00		82.2	40-120		8.42	30	
gamma-BHC (Lindane)	0.889	0.0400	"	1.00		88.9	40-120		5.69	30	
Heptachlor	0.856	0.0400	"	1.00		85.6	40-120		7.89	30	
Heptachlor epoxide	0.938	0.0400	"	1.00		93.8	40-120		4.93	30	
Methoxychlor	0.687	0.0400	"	1.00		68.7	40-120		12.6	30	
Surrogate: Decachlorobiphenyl	*1.35*		*"*	*2.00*		*67.7*	*30-120*				
Surrogate: Tetrachloro-m-xylene	*1.60*		*"*	*2.00*		*79.8*	*30-120*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30777 - EPA 3510C/1311											
Leach Fluid Blank (BA30777-LBK1)									Prepared: 01/17/2023 Analyzed: 01/18/2023		
Chlordane, total	ND	0.222	ug/L								
Endrin	ND	0.0444	"								
gamma-BHC (Lindane)	ND	0.0444	"								
Heptachlor	ND	0.0444	"								
Heptachlor epoxide	ND	0.0444	"								
Methoxychlor	ND	0.0444	"								
Toxaphene	ND	1.11	"								
Surrogate: Decachlorobiphenyl	*1.63*		*"*	*2.22*		*73.5*	*30-120*				
Surrogate: Tetrachloro-m-xylene	*1.56*		*"*	*2.22*		*70.1*	*30-120*				
Matrix Spike (BA30777-MS1)	*Source sample: 23A0698-01 (Matrix Spike)								Prepared: 01/17/2023 Analyzed: 01/18/2023		
Endrin	0.905	0.0444	ug/L	1.11	ND	81.5	30-150				
gamma-BHC (Lindane)	0.950	0.0444	"	1.11	ND	85.5	30-150				
Heptachlor	0.915	0.0444	"	1.11	ND	82.4	30-150				
Heptachlor epoxide	0.995	0.0444	"	1.11	ND	89.6	30-150				
Methoxychlor	0.842	0.0444	"	1.11	ND	75.8	30-150				
Surrogate: Decachlorobiphenyl	*1.56*		*"*	*2.22*		*70.3*	*30-120*				
Surrogate: Tetrachloro-m-xylene	*1.63*		*"*	*2.22*		*73.3*	*30-120*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30674 - EPA 3550C											
Blank (BA30674-BLK2)								Prepared: 01/15/2023 Analyzed: 01/18/2023			
Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								
Surrogate: Tetrachloro-m-xylene	*0.0580*		"	*0.0667*		*87.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0463*		"	*0.0667*		*69.5*	*30-140*				
LCS (BA30674-BS2)								Prepared: 01/15/2023 Analyzed: 01/18/2023			
Aroclor 1016	0.285	0.0167	mg/kg wet	0.333		85.4	40-130				
Aroclor 1260	0.289	0.0167	"	0.333		86.8	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0590*		"	*0.0667*		*88.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0483*		"	*0.0667*		*72.5*	*30-140*				
Matrix Spike (BA30674-MS2)	*Source sample: 23A0639-02 (Matrix Spike)							Prepared: 01/15/2023 Analyzed: 01/19/2023			
Aroclor 1016	0.120	0.0177	mg/kg dry	0.353	ND	34.0	40-140	Low Bias			
Aroclor 1260	0.193	0.0177	"	0.353	ND	54.7	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0555*		"	*0.0707*		*78.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0417*		"	*0.0707*		*59.0*	*30-140*				
Matrix Spike Dup (BA30674-MSD2)	*Source sample: 23A0639-02 (Matrix Spike Dup)							Prepared: 01/15/2023 Analyzed: 01/19/2023			
Aroclor 1016	0.126	0.0180	mg/kg dry	0.361	ND	34.9	40-140	Low Bias	4.41	50	
Aroclor 1260	0.192	0.0180	"	0.361	ND	53.4	40-140		0.506	50	
Surrogate: Tetrachloro-m-xylene	*0.0573*		"	*0.0721*		*79.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0422*		"	*0.0721*		*58.5*	*30-140*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30787 - EPA 3535A/1311											
Blank (BA30787-BLK1)								Prepared & Analyzed: 01/17/2023			
2,4,5-TP (Silvex)	ND	5.00	ug/L								
2,4-D	ND	5.00	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*10.8*		*"*	*125*		*8.60*	*10-150*				
LCS (BA30787-BS1)								Prepared & Analyzed: 01/17/2023			
2,4,5-TP (Silvex)	11.5	5.00	ug/L	40.0		28.8	10-139				
2,4-D	17.8	5.00	"	40.0		44.4	10-140				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*17.0*		*"*	*125*		*13.6*	*10-150*				
LCS Dup (BA30787-BSD1)								Prepared & Analyzed: 01/17/2023			
2,4,5-TP (Silvex)	11.5	5.00	ug/L	40.0		28.8	10-139		0.00	30	
2,4-D	18.0	5.00	"	40.0		45.0	10-140		1.40	30	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*16.2*		*"*	*125*		*13.0*	*10-150*				
Leach Fluid Blank (BA30787-LBK1)								Prepared & Analyzed: 01/17/2023			
2,4,5-TP (Silvex)	ND	5.00	ug/L								
2,4-D	ND	5.00	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*9.00*		*"*	*125*		*7.20*	*10-150*				
Matrix Spike (BA30787-MS1)	*Source sample: 23A0698-01 (Matrix Spike)							Prepared & Analyzed: 01/17/2023			
2,4,5-TP (Silvex)	8.50	5.00	ug/L	40.0	ND	21.2	20-140				
2,4-D	11.0	5.00	"	40.0	ND	27.5	20-140				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*8.50*		*"*	*125*		*6.80*	*10-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30804 - EPA 3015A/1311											
Blank (BA30804-BLK1)								Prepared & Analyzed: 01/17/2023			
Arsenic	ND	0.017	mg/L								
Barium	ND	0.028	"								
Cadmium	ND	0.003	"								
Chromium	ND	0.006	"								
Lead	ND	0.006	"								
Selenium	ND	0.028	"								
Silver	ND	0.006	"								
LCS (BA30804-BS1)								Prepared & Analyzed: 01/17/2023			
Arsenic	1.74		ug/mL	2.00		86.8	80-120				
Barium	1.94		"	2.00		96.8	80-120				
Cadmium	0.045		"	0.0500		90.7	80-120				
Chromium	0.179		"	0.200		89.5	80-120				
Lead	0.452		"	0.500		90.4	80-120				
Selenium	1.27		"	2.00		63.3	80-120	Low Bias			
Silver	0.043		"	0.0500		86.9	80-120				
Duplicate (BA30804-DUP1)	*Source sample: 23A0701-01 (Duplicate)							Prepared & Analyzed: 01/17/2023			
Arsenic	ND	0.375	mg/L		ND					20	
Barium	ND	0.625	"		ND					20	
Cadmium	ND	0.075	"		ND					20	
Chromium	ND	0.125	"		ND					20	
Lead	0.156	0.125	"		0.136				13.8	20	
Selenium	ND	0.625	"		ND					20	
Silver	ND	0.125	"		ND					20	
Leach Fluid Blank (BA30804-LBK1)								Prepared & Analyzed: 01/17/2023			
Arsenic	ND	0.375	mg/L								
Barium	ND	0.625	"								
Cadmium	ND	0.075	"								
Chromium	ND	0.125	"								
Lead	ND	0.125	"								
Selenium	ND	0.625	"								
Silver	ND	0.125	"								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30804 - EPA 3015A/1311											
Matrix Spike (BA30804-MS1)	*Source sample: 23A0701-01 (Matrix Spike)							Prepared & Analyzed: 01/17/2023			
Arsenic	43.9	0.375	mg/L	50.0	ND	87.8	75-125				
Barium	47.8	0.625	"	50.0	ND	95.5	75-125				
Cadmium	1.12	0.075	"	1.25	ND	89.5	75-125				
Chromium	4.42	0.125	"	5.00	ND	88.3	75-125				
Lead	11.1	0.125	"	12.5	0.136	87.9	75-125				
Selenium	32.7	0.625	"	50.0	ND	65.4	75-125	Low Bias			
Silver	1.08	0.125	"	1.25	ND	86.6	75-125				
Post Spike (BA30804-PS1)	*Source sample: 23A0701-01 (Post Spike)							Prepared & Analyzed: 01/17/2023			
Arsenic	1.91		ug/mL	2.00	-0.024	95.5	75-125				
Barium	2.03		"	2.00	0.427	80.4	75-125				
Cadmium	0.049		"	0.0500	-0.0004	97.8	75-125				
Chromium	0.187		"	0.200	0.022	82.8	75-125				
Lead	0.485		"	0.500	0.122	72.6	75-125	Low Bias			
Selenium	1.43		"	2.00	0.363	53.3	75-125	Low Bias			
Silver	0.046		"	0.0500	0.019	53.9	75-125	Low Bias			
Batch BA30827 - EPA 3050B											
Blank (BA30827-BLK1)								Prepared: 01/17/2023 Analyzed: 01/18/2023			
Antimony	ND	1.74	mg/kg wet								
Arsenic	ND	1.04	"								
Beryllium	ND	0.035	"								
Cadmium	ND	0.208	"								
Chromium	ND	0.348	"								
Copper	ND	1.39	"								
Lead	ND	0.348	"								
Nickel	ND	0.692	"								
Selenium	ND	1.74	"								
Silver	ND	0.350	"								
Thallium	ND	1.74	"								
Zinc	ND	1.73	"								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30827 - EPA 3050B											
Duplicate (BA30827-DUP1)	*Source sample: 23A0587-09 (Duplicate)								Prepared: 01/17/2023 Analyzed: 01/18/2023		
Antimony	ND	2.00	mg/kg dry		ND					35	
Arsenic	36.5	1.20	"		41.7				13.3	35	
Beryllium	0.146	0.040	"		0.186				24.2	35	
Cadmium	ND	0.240	"		ND					35	
Chromium	5.25	0.400	"		7.55				35.9	35	Non-dir.
Copper	4.97	1.60	"		7.27				37.6	35	Non-dir.
Lead	4.69	0.400	"		6.53				32.9	35	
Nickel	2.09	0.797	"		3.26				43.8	35	Non-dir.
Selenium	ND	2.00	"		ND					35	
Silver	ND	0.403	"		ND					35	
Thallium	ND	2.00	"		ND					35	
Zinc	12.6	1.99	"		17.7				33.8	35	
Matrix Spike (BA30827-MS1)	*Source sample: 23A0587-09 (Matrix Spike)								Prepared: 01/17/2023 Analyzed: 01/18/2023		
Antimony	9.19	2.00	mg/kg dry	24.0	ND	38.3	75-125	Low Bias			
Arsenic	197	1.20	"	192	41.7	81.1	75-125				
Beryllium	3.89	0.040	"	4.80	0.186	77.1	75-125				
Cadmium	3.69	0.240	"	4.80	ND	76.9	75-125				
Chromium	26.4	0.400	"	19.2	7.55	98.0	75-125				
Copper	27.4	1.60	"	24.0	7.27	84.0	75-125				
Lead	44.7	0.400	"	48.0	6.53	79.4	75-125				
Nickel	41.7	0.797	"	48.0	3.26	80.0	75-125				
Selenium	106	2.00	"	192	ND	55.1	75-125	Low Bias			
Silver	2.82	0.403	"	4.80	ND	58.7	75-125	Low Bias			
Thallium	140	2.00	"	192	ND	72.8	75-125	Low Bias			
Zinc	57.3	1.99	"	48.0	17.7	82.4	75-125				
Post Spike (BA30827-PS1)	*Source sample: 23A0587-09 (Post Spike)								Prepared: 01/17/2023 Analyzed: 01/18/2023		
Antimony	0.227		ug/mL	0.250	0.009	87.4	75-125				
Arsenic	2.17		"	2.00	0.435	86.9	75-125				
Beryllium	0.044		"	0.0500	0.002	83.8	75-125				
Cadmium	0.044		"	0.0500	-0.0004	87.6	75-125				
Chromium	0.244		"	0.200	0.079	82.6	75-125				
Copper	0.297		"	0.250	0.076	88.7	75-125				
Lead	0.507		"	0.500	0.068	87.9	75-125				
Nickel	0.481		"	0.500	0.034	89.3	75-125				
Selenium	1.33		"	2.00	-0.082	66.3	75-125	Low Bias			
Silver	0.030		"	0.0500	-0.012	60.5	75-125	Low Bias			
Thallium	1.68		"	2.00	-0.004	84.0	75-125				
Zinc	0.597		"	0.500	0.185	82.5	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30827 - EPA 3050B											
Reference (BA30827-SRM1)								Prepared: 01/17/2023 Analyzed: 01/18/2023			
Antimony	62.5	1.74	mg/kg wet	136		46.0	20.4-249.3				
Arsenic	79.4	1.04	"	87.4		90.8	70-130.4				
Beryllium	86.6	0.035	"	103		84.1	74.8-132				
Cadmium	131	0.208	"	160		82.1	75-145.6				
Chromium	193	0.348	"	231		83.4	70.1-134.2				
Copper	130	1.39	"	144		89.9	75-126.4				
Lead	227	0.348	"	266		85.4	74.1-125.9				
Nickel	308	0.692	"	350		87.9	70-144				
Selenium	75.4	1.74	"	130		58.0	66.9-133.8	Low Bias			
Silver	45.0	0.350	"	57.1		78.8	70.2-129.8				
Thallium	60.0	1.74	"	75.4		79.5	64.3-135.3				
Zinc	129	1.73	"	160		80.4	70-130				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30797 - EPA 7473 soil											
Blank (BA30797-BLK1)								Prepared & Analyzed: 01/17/2023			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BA30797-DUP1)	*Source sample: 23A0547-01 (Duplicate)							Prepared & Analyzed: 01/17/2023			
Mercury	ND	0.0324	mg/kg dry		ND					35	
Matrix Spike (BA30797-MS1)	*Source sample: 23A0547-01 (Matrix Spike)							Prepared & Analyzed: 01/17/2023			
Mercury	0.503		mg/kg	0.500	0.0203	96.5	75-125				
Reference (BA30797-SRM1)								Prepared & Analyzed: 01/17/2023			
Mercury	30.387		mg/kg	27.2		112	59.9-140.1				
Batch BA30864 - EPA SW846-7470A											
Blank (BA30864-BLK1)								Prepared & Analyzed: 01/18/2023			
Mercury	ND	0.000200	mg/L								
Blank (BA30864-BLK2)								Prepared & Analyzed: 01/18/2023			
Mercury	ND	0.000200	mg/L								
LCS (BA30864-BS1)								Prepared & Analyzed: 01/18/2023			
Mercury	0.00220	0.000200	mg/L	0.00200		110	80-120				
LCS (BA30864-BS2)								Prepared & Analyzed: 01/18/2023			
Mercury	0.00204	0.000200	mg/L	0.00200		102	80-120				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30593 - Analysis Preparation											
Blank (BA30593-BLK1)								Prepared & Analyzed: 01/12/2023			
Reactivity - Cyanide	ND	0.250	mg/kg								
Batch BA30594 - Analysis Preparation											
Blank (BA30594-BLK1)								Prepared & Analyzed: 01/12/2023			
Reactivity - Sulfide	ND	15.0	mg/kg								
Duplicate (BA30594-DUP1)	*Source sample: 23A0614-01 (Duplicate)							Prepared & Analyzed: 01/12/2023			
Reactivity - Sulfide	80.0	15.0	mg/kg		112				33.3	50	
Batch BA30604 - Analysis Preparation											
Duplicate (BA30604-DUP1)	*Source sample: 23A0614-19 (Duplicate)							Prepared & Analyzed: 01/13/2023			
pH	9.08	0.500	pH units		9.24				1.75	10	
Batch BA30649 - Analysis Preparation											
Duplicate (BA30649-DUP1)	*Source sample: 23A0638-03 (Duplicate)							Prepared & Analyzed: 01/13/2023			
Temperature	22.8	1.00	°C		21.7				4.94	200	

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30726 - % Solids Prep											
Duplicate (BA30726-DUP1)	*Source sample: 23A0573-02 (LR-COMP-02)								Prepared & Analyzed: 01/16/2023		
% Solids	80.8	0.100	%		78.9				2.36	20	

Leachate Preparations - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30729 - EPA SW 846-1311 TCLP ZHE for VOA											
Blank (BA30729-BLK1)									Prepared: 01/16/2023 Analyzed: 01/17/2023		
TCLP Extraction	Completed	1.00	N/A								
Batch BA30730 - EPA SW 846-1311 TCLP extr. for SVOA/PEST/HERBS											
Blank (BA30730-BLK1)									Prepared: 01/16/2023 Analyzed: 01/17/2023		
TCLP Extraction	Completed	1.00	N/A								
Batch BA30732 - EPA SW 846-1311 TCLP ext. for metals											
Blank (BA30732-BLK1)									Prepared: 01/16/2023 Analyzed: 01/17/2023		
TCLP Extraction	Completed	1.00	N/A								

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23A0573-01	LR-COMP-01	40mL Vial with Stir Bar-Cool 4° C
23A0573-01	LR-COMP-01	40mL 01_Clear Vial Cool to 4° C
23A0573-02	LR-COMP-02	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
23A0573-02	LR-COMP-02	40mL 01_Clear Vial Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-PS	This Element exhibted recovery outside control limits for the Post Spike.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
IGN-01	Non-Ignit.
EXT-Temp	Extraction temperture slightly exceeded acceptance range.
EXT-COMP	Completed
A-01	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the target compounds in the BS/BSD/MS.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias — High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. — Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No.: 23A0573

120 Research Drive Stratford, CT 06615 - 132-02 89th Ave Queens, NY 11418 - 56 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK

YOUR Information	Report To:	Invoice To:
Company: LABELLA	Company: LABELLA	Company: LABELLA
Address:	Address:	Address:
Phone.:	Phone.:	Phone.:
Contact: ERIC ORLOWSKI	Contact: EORLOWSKI / A. ST. ROMAIN	Contact: ACCTS PAYABLE
E-mail:	E-mail:	E-mail:

YOUR Project Number: CT81434.00

YOUR Project Name: Love Rd BCP

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day) ✓
- (7-10 for PFAS)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

ERIC ORLOWSKI EO

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York ✓
New Jersey
Connecticut
Pennsylvania
Other:

Report / EDD Type (circle selections)

Summary Report ✓ | CT RCP | EQuIS (Standard)
QA Report | CT RCP DQA/DUE | NYSDEC EQuIS
Standard Excel EDD ✓ | NJDEP Reduced Deliverables | NJDKQP
NY ASP B Package | NJDEP SRP HazSite
Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.
LR-COMP-01	Soil	1/11/2023 1515	Part 375 VOCs, Part 375 SVOCs, PCBs,	8 oz Jar	5
			Priority Pollutant Metals, Full TCLP,	4 oz Jar	2
			I/C/R	2 oz Jar	1
				40mL VOA	4
LR-COMP-02	Soil	1/11/2023 1415	Part 375 VOCs, Part 375 SVOCs, PCBs,	8 oz Jar	5
			Priority Pollutant Metals, Full TCLP,	4 oz Jar	2
			I/C/R	2 oz Jar	1
				40mL VOA	4

Comments:

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: 4°C

Special Instruction

Field Filtered
Lab to Filter

Samples iced/chilled at time of lab pickup? circle Yes or No

Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
EO Orlowski / LABELLA	1/11/2023 1800	SECURE FRIDGE @ LABELLA	12:30	Chris C York	1-12-23 1445
Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Chris C York	1-12-23 12:30				
Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				DB	1/12/23 1445 3.0 Degrees C

Technical Report

prepared for:

LaBella Associates (Poughkeepsie)
21 Fox Street
Poughkeepsie NY, 12601
Attention: Eric Orlowski

Report Date: 01/23/2023
Client Project ID: CZ84134.00 Love Rd BCP
York Project (SDG) No.: 23A0654

Report Date: 01/23/2023
Client Project ID: CZ84134.00 Love Rd BCP
York Project (SDG) No.: 23A0654

LaBella Associates (Poughkeepsie)
21 Fox Street
Poughkeepsie NY, 12601
Attention: Eric Orlowski

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 13, 2023 and listed below. The project was identified as your project: **CZ84134.00 Love Rd BCP**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
23A0654-01	LR-SB08-GW	Water	01/12/2023	01/13/2023

General Notes for York Project (SDG) No.: 23A0654

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: Cassie L. Mosher **Date:** 01/23/2023

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **LR-SB08-GW** **York Sample ID:** **23A0654-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A0654	CZ84134.00 Love Rd BCP	Water	January 12, 2023 12:35 pm	01/13/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	01/17/2023 19:44	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	01/17/2023 19:44	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	01/17/2023 19:44	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	01/17/2023 19:44	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	01/17/2023 19:44	JTG
75-34-3	**1,1-Dichloroethane**	**0.39**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA	01/17/2023 19:44	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	01/17/2023 19:44	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/17/2023 19:44	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/17/2023 19:44	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/17/2023 19:44	JTG
95-63-6	**1,2,4-Trimethylbenzene**	**1.5**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA	01/17/2023 19:44	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	01/17/2023 19:44	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	01/17/2023 19:44	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	01/17/2023 19:44	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	01/17/2023 19:44	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	01/17/2023 19:44	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	01/17/2023 19:44	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	01/17/2023 19:44	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	01/17/2023 19:44	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	01/17/2023 10:39 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/17/2023 19:44	JTG
78-93-3	**2-Butanone**	**4.6**	CCVE	ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA	01/17/2023 19:44	JTG
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	01/17/2023 19:44	JTG

Sample Information

Client Sample ID: LR-SB08-GW **York Sample ID:** 23A0654-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A0654	CZ84134.00 Love Rd BCP	Water	January 12, 2023 12:35 pm	01/13/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39	01/17/2023 19:44	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-64-1	**Acetone**	**18**		ug/L	1.0	2.0	1	EPA 8260C Certifications:	01/17/2023 10:39	01/17/2023 19:44	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39	01/17/2023 19:44	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39	01/17/2023 19:44	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
71-43-2	**Benzene**	**3.7**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39	01/17/2023 19:44	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39	01/17/2023 19:44	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39	01/17/2023 19:44	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39	01/17/2023 19:44	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-83-9	Bromomethane	ND	CCVE, QL-02	ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39	01/17/2023 19:44	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-15-0	**Carbon disulfide**	**0.34**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39	01/17/2023 19:44	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39	01/17/2023 19:44	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39	01/17/2023 19:44	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39	01/17/2023 19:44	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39	01/17/2023 19:44	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39	01/17/2023 19:44	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
156-59-2	**cis-1,2-Dichloroethylene**	**0.51**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39	01/17/2023 19:44	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39	01/17/2023 19:44	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
110-82-7	**Cyclohexane**	**11**	QL-02	ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39	01/17/2023 19:44	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39	01/17/2023 19:44	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39	01/17/2023 19:44	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39	01/17/2023 19:44	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	**Ethyl Benzene**	**6.7**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39	01/17/2023 19:44	JTG CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	01/17/2023 10:39	01/17/2023 19:44	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: **LR-SB08-GW** **York Sample ID:** **23A0654-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A0654	CZ84134.00 Love Rd BCP	Water	January 12, 2023 12:35 pm	01/13/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	**Isopropylbenzene**	**11**		ug/L	0.20	0.50	1	EPA 8260C	01/17/2023 10:39	01/17/2023 19:44	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	01/17/2023 10:39	01/17/2023 19:44	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	01/17/2023 10:39	01/17/2023 19:44	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-87-2	**Methylcyclohexane**	**26**		ug/L	0.20	0.50	1	EPA 8260C	01/17/2023 10:39	01/17/2023 19:44	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	01/17/2023 10:39	01/17/2023 19:44	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
104-51-8	**n-Butylbenzene**	**2.6**		ug/L	0.20	0.50	1	EPA 8260C	01/17/2023 10:39	01/17/2023 19:44	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
103-65-1	**n-Propylbenzene**	**13**		ug/L	0.20	0.50	1	EPA 8260C	01/17/2023 10:39	01/17/2023 19:44	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
95-47-6	**o-Xylene**	**3.9**		ug/L	0.20	0.50	1	EPA 8260C	01/17/2023 10:39	01/17/2023 19:44	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**0.68**	J	ug/L	0.50	1.0	1	EPA 8260C	01/17/2023 10:39	01/17/2023 19:44	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/17/2023 10:39	01/17/2023 19:44	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	**sec-Butylbenzene**	**1.9**		ug/L	0.20	0.50	1	EPA 8260C	01/17/2023 10:39	01/17/2023 19:44	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/17/2023 10:39	01/17/2023 19:44	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	01/17/2023 10:39	01/17/2023 19:44	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	**tert-Butylbenzene**	**0.62**		ug/L	0.20	0.50	1	EPA 8260C	01/17/2023 10:39	01/17/2023 19:44	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/17/2023 10:39	01/17/2023 19:44	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	**Toluene**	**1.5**		ug/L	0.20	0.50	1	EPA 8260C	01/17/2023 10:39	01/17/2023 19:44	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/17/2023 10:39	01/17/2023 19:44	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/17/2023 10:39	01/17/2023 19:44	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/17/2023 10:39	01/17/2023 19:44	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	**Trichloroethylene**	**0.23**	J	ug/L	0.20	0.50	1	EPA 8260C	01/17/2023 10:39	01/17/2023 19:44	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/17/2023 10:39	01/17/2023 19:44	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	01/17/2023 10:39	01/17/2023 19:44	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	**Xylenes, Total**	**4.6**		ug/L	0.60	1.5	1	EPA 8260C	01/17/2023 10:39	01/17/2023 19:44	JTG
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

Sample Information

Client Sample ID: LR-SB08-GW

York Sample ID: 23A0654-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A0654	CZ84134.00 Love Rd BCP	Water	January 12, 2023 12:35 pm	01/13/2023

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*95.2 %*		*69-130*							
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.4 %*		*81-117*							
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*92.8 %*		*79-122*							

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**4.10**		ug/L	0.167	0.167	1	EPA 8270D	01/16/2023 08:08	01/16/2023 18:48	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		ug/L	0.167	0.167	1	EPA 8270D	01/16/2023 08:08	01/16/2023 18:48	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
120-12-7	**Anthracene**	**6.30**		ug/L	0.167	0.167	1	EPA 8270D	01/16/2023 08:08	01/16/2023 18:48	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		ug/L	0.167	0.167	1	EPA 8270D	01/16/2023 08:08	01/16/2023 18:48	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND		ug/L	0.167	0.167	1	EPA 8270D	01/16/2023 08:08	01/16/2023 18:48	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.167	0.167	1	EPA 8270D	01/16/2023 08:08	01/16/2023 18:48	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.167	0.167	1	EPA 8270D	01/16/2023 08:08	01/16/2023 18:48	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.167	0.167	1	EPA 8270D	01/16/2023 08:08	01/16/2023 18:48	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
218-01-9	Chrysene	ND		ug/L	0.167	0.167	1	EPA 8270D	01/16/2023 08:08	01/16/2023 18:48	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.167	0.167	1	EPA 8270D	01/16/2023 08:08	01/16/2023 18:48	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.167**	J	ug/L	0.167	0.167	1	EPA 8270D	01/16/2023 08:08	01/16/2023 18:48	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**6.07**		ug/L	0.167	0.167	1	EPA 8270D	01/16/2023 08:08	01/16/2023 18:48	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.167	0.167	1	EPA 8270D	01/16/2023 08:08	01/16/2023 18:48	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**0.833**		ug/L	0.167	0.167	1	EPA 8270D	01/16/2023 08:08	01/16/2023 18:48	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**6.37**		ug/L	0.167	0.167	1	EPA 8270D	01/16/2023 08:08	01/16/2023 18:48	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.300**		ug/L	0.167	0.167	1	EPA 8270D	01/16/2023 08:08	01/16/2023 18:48	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
	Surrogate Recoveries	**Result**		**Acceptance Range**							

Sample Information

Client Sample ID: LR-SB08-GW

York Sample ID: 23A0654-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A0654	CZ84134.00 Love Rd BCP	Water	January 12, 2023 12:35 pm	01/13/2023

Semi-Volatiles, CP-51 (formerly STARS)-Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*75.8 %*			*50.2-113*						
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*59.9 %*			*39.9-105*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*45.4 %*			*30.7-106*						

Metals, Dissolved - RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.017	1	EPA 6010D Certifications:	01/18/2023 08:21 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/19/2023 17:22	CW
7440-39-3	**Barium**	**0.072**		mg/L	0.028	1	EPA 6010D Certifications:	01/18/2023 08:21 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/19/2023 17:22	CW
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010D Certifications:	01/18/2023 08:21 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/19/2023 17:22	CW
7440-47-3	Chromium	ND		mg/L	0.006	1	EPA 6010D Certifications:	01/18/2023 08:21 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/19/2023 17:22	CW
7439-92-1	Lead	ND		mg/L	0.006	1	EPA 6010D Certifications:	01/18/2023 08:21 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/19/2023 17:22	CW
7782-49-2	*** Selenium**	**0.059**		mg/L	0.028	1	EPA 6010D Certifications:	01/18/2023 08:21 CTDOH-PH-0723	01/19/2023 17:22	CW
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010D Certifications:	01/18/2023 08:21 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/19/2023 17:22	CW

Metals, RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.017	1	EPA 6010D Certifications:	01/16/2023 09:02 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 10:27	CW
7440-39-3	**Barium**	**0.124**		mg/L	0.028	1	EPA 6010D Certifications:	01/16/2023 09:02 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 10:27	CW
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010D Certifications:	01/16/2023 09:02 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 10:27	CW
7440-47-3	Chromium	ND		mg/L	0.006	1	EPA 6010D Certifications:	01/16/2023 09:02 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 10:27	CW
7439-92-1	Lead	ND		mg/L	0.006	1	EPA 6010D Certifications:	01/16/2023 09:02 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 10:27	CW
7782-49-2	Selenium	ND		mg/L	0.028	1	EPA 6010D Certifications:	01/16/2023 09:02 CTDOH-PH-0723,NELAC-NY10854,NJDEP	01/17/2023 10:27	CW
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010D Certifications:	01/16/2023 09:02 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/17/2023 10:27	CW

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: LR-SB08-GW **York Sample ID:** 23A0654-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A0654	CZ84134.00 Love Rd BCP	Water	January 12, 2023 12:35 pm	01/13/2023

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470	01/17/2023 08:33	01/17/2023 08:33	AD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470	01/23/2023 08:21	01/23/2023 08:21	AD
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

Analytical Batch Summary

Batch ID: BA30684 **Preparation Method:** EPA 3510C **Prepared By:** CCH

YORK Sample ID	Client Sample ID	Preparation Date
23A0654-01	LR-SB08-GW	01/16/23
BA30684-BLK1	Blank	01/16/23
BA30684-BS1	LCS	01/16/23
BA30684-BSD1	LCS Dup	01/16/23

Batch ID: BA30695 **Preparation Method:** EPA 3015A **Prepared By:** MCS

YORK Sample ID	Client Sample ID	Preparation Date
23A0654-01	LR-SB08-GW	01/16/23
BA30695-BLK1	Blank	01/16/23
BA30695-BS1	LCS	01/16/23
BA30695-DUP1	Duplicate	01/16/23
BA30695-MS1	Matrix Spike	01/16/23
BA30695-PS1	Post Spike	01/16/23

Batch ID: BA30778 **Preparation Method:** EPA SW846-7470A **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
23A0654-01	LR-SB08-GW	01/17/23
BA30778-BLK1	Blank	01/17/23
BA30778-BS1	LCS	01/17/23
BA30778-DUP1	Duplicate	01/17/23
BA30778-MS1	Matrix Spike	01/17/23

Batch ID: BA30847 **Preparation Method:** EPA 5030B **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
23A0654-01	LR-SB08-GW	01/17/23
BA30847-BLK1	Blank	01/17/23
BA30847-BS1	LCS	01/17/23
BA30847-BSD1	LCS Dup	01/17/23

Batch ID: BA30860 **Preparation Method:** EPA 3015A **Prepared By:** MCS

YORK Sample ID	Client Sample ID	Preparation Date
23A0654-01	LR-SB08-GW	01/18/23
BA30860-BLK1	Blank	01/18/23
BA30860-BS1	LCS	01/18/23
BA30860-DUP1	Duplicate	01/18/23
BA30860-MS1	Matrix Spike	01/18/23
BA30860-PS1	Post Spike	01/18/23

Batch ID: BA31121 **Preparation Method:** EPA SW846-7470A **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
23A0654-01	LR-SB08-GW	01/23/23
BA31121-BLK1	Blank	01/23/23
BA31121-BS1	LCS	01/23/23
BA31121-DUP1	Duplicate	01/23/23
BA31121-MS1	Matrix Spike	01/23/23

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30847 - EPA 5030B											
Blank (BA30847-BLK1)											Prepared & Analyzed: 01/17/2023
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30847 - EPA 5030B											
Blank (BA30847-BLK1)											Prepared & Analyzed: 01/17/2023
Methylene chloride	ND	2.0	ug/L								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.6*		*"*	*10.0*		*106*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.59*		*"*	*10.0*		*95.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				
LCS (BA30847-BS1)											Prepared & Analyzed: 01/17/2023
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		106	82-126				
1,1,1-Trichloroethane	11		"	10.0		113	78-136				
1,1,2,2-Tetrachloroethane	12		"	10.0		118	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		107	54-165				
1,1,2-Trichloroethane	9.8		"	10.0		98.2	82-123				
1,1-Dichloroethane	11		"	10.0		106	82-129				
1,1-Dichloroethylene	11		"	10.0		112	68-138				
1,2,3-Trichlorobenzene	9.1		"	10.0		91.4	40-130				
1,2,3-Trichloropropane	12		"	10.0		122	77-128				
1,2,4-Trichlorobenzene	9.2		"	10.0		91.6	65-137				
1,2,4-Trimethylbenzene	11		"	10.0		111	82-132				
1,2-Dibromo-3-chloropropane	12		"	10.0		117	45-147				
1,2-Dibromoethane	11		"	10.0		106	83-124				
1,2-Dichlorobenzene	10		"	10.0		104	79-123				
1,2-Dichloroethane	11		"	10.0		109	73-132				
1,2-Dichloropropane	10		"	10.0		103	78-126				
1,3,5-Trimethylbenzene	11		"	10.0		111	80-131				
1,3-Dichlorobenzene	11		"	10.0		110	86-130				
1,4-Dichlorobenzene	11		"	10.0		108	85-130				
1,4-Dioxane	390		"	210		187	10-349				
2-Butanone	11		"	10.0		114	49-152				
2-Hexanone	11		"	10.0		109	51-146				
4-Methyl-2-pentanone	11		"	10.0		107	57-145				
Acetone	10		"	10.0		101	14-150				
Acrolein	6.9		"	10.0		68.7	10-153				
Acrylonitrile	11		"	10.0		111	51-150				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30847 - EPA 5030B											
LCS (BA30847-BS1)								Prepared & Analyzed: 01/17/2023			
Benzene	11		ug/L	10.0		110	85-126				
Bromochloromethane	12		"	10.0		116	77-128				
Bromodichloromethane	10		"	10.0		103	79-128				
Bromoform	9.6		"	10.0		95.8	78-133				
Bromomethane	3.9		"	10.0		38.6	43-168	Low Bias			
Carbon disulfide	12		"	10.0		116	68-146				
Carbon tetrachloride	11		"	10.0		112	77-141				
Chlorobenzene	11		"	10.0		109	88-120				
Chloroethane	12		"	10.0		118	65-136				
Chloroform	11		"	10.0		112	82-128				
Chloromethane	9.2		"	10.0		91.7	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		107	83-129				
cis-1,3-Dichloropropylene	10		"	10.0		102	80-131				
Cyclohexane	4.8		"	10.0		48.5	63-149	Low Bias			
Dibromochloromethane	9.3		"	10.0		92.7	80-130				
Dibromomethane	10		"	10.0		102	72-134				
Dichlorodifluoromethane	14		"	10.0		142	44-144				
Ethyl Benzene	11		"	10.0		107	80-131				
Hexachlorobutadiene	7.7		"	10.0		76.8	67-146				
Isopropylbenzene	12		"	10.0		117	76-140				
Methyl acetate	11		"	10.0		111	51-139				
Methyl tert-butyl ether (MTBE)	10		"	10.0		102	76-135				
Methylcyclohexane	9.2		"	10.0		92.2	72-143				
Methylene chloride	11		"	10.0		105	55-137				
n-Butylbenzene	10		"	10.0		103	79-132				
n-Propylbenzene	12		"	10.0		117	78-133				
o-Xylene	11		"	10.0		106	78-130				
p- & m- Xylenes	21		"	20.0		107	77-133				
p-Isopropyltoluene	11		"	10.0		113	81-136				
sec-Butylbenzene	11		"	10.0		112	79-137				
Styrene	11		"	10.0		106	67-132				
tert-Butyl alcohol (TBA)	63		"	50.0		126	25-162				
tert-Butylbenzene	9.7		"	10.0		97.3	77-138				
Tetrachloroethylene	10		"	10.0		100	82-131				
Toluene	10		"	10.0		102	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		108	80-132				
trans-1,3-Dichloropropylene	10		"	10.0		104	78-131				
trans-1,4-dichloro-2-butene	12		"	10.0		124	63-141				
Trichloroethylene	10		"	10.0		102	82-128				
Trichlorofluoromethane	12		"	10.0		117	67-139				
Vinyl Chloride	11		"	10.0		107	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.53*		*"*	*10.0*		*95.3*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.8*		*"*	*10.0*		*108*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30847 - EPA 5030B											
LCS Dup (BA30847-BSD1)								Prepared & Analyzed: 01/17/2023			
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		106	82-126		0.283	30	
1,1,1-Trichloroethane	11		"	10.0		112	78-136		1.42	30	
1,1,2,2-Tetrachloroethane	11		"	10.0		112	76-129		5.20	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		106	54-165		1.03	30	
1,1,2-Trichloroethane	10		"	10.0		103	82-123		5.16	30	
1,1-Dichloroethane	10		"	10.0		103	82-129		2.68	30	
1,1-Dichloroethylene	11		"	10.0		108	68-138		3.99	30	
1,2,3-Trichlorobenzene	9.9		"	10.0		99.0	40-130		7.98	30	
1,2,3-Trichloropropane	12		"	10.0		119	77-128		2.66	30	
1,2,4-Trichlorobenzene	9.7		"	10.0		97.4	65-137		6.14	30	
1,2,4-Trimethylbenzene	10		"	10.0		102	82-132		8.17	30	
1,2-Dibromo-3-chloropropane	11		"	10.0		105	45-147		10.6	30	
1,2-Dibromoethane	11		"	10.0		110	83-124		3.99	30	
1,2-Dichlorobenzene	10		"	10.0		101	79-123		2.73	30	
1,2-Dichloroethane	11		"	10.0		110	73-132		1.00	30	
1,2-Dichloropropane	10		"	10.0		104	78-126		0.964	30	
1,3,5-Trimethylbenzene	10		"	10.0		103	80-131		7.18	30	
1,3-Dichlorobenzene	10		"	10.0		103	86-130		6.19	30	
1,4-Dichlorobenzene	10		"	10.0		102	85-130		5.80	30	
1,4-Dioxane	410		"	210		194	10-349		3.75	30	
2-Butanone	12		"	10.0		122	49-152		7.02	30	
2-Hexanone	11		"	10.0		113	51-146		3.62	30	
4-Methyl-2-pentanone	11		"	10.0		112	57-145		4.84	30	
Acetone	10		"	10.0		102	14-150		0.791	30	
Acrolein	7.2		"	10.0		72.5	10-153		5.38	30	
Acrylonitrile	11		"	10.0		114	51-150		3.47	30	
Benzene	11		"	10.0		108	85-126		2.12	30	
Bromochloromethane	11		"	10.0		115	77-128		0.608	30	
Bromodichloromethane	10		"	10.0		102	79-128		0.780	30	
Bromoform	9.9		"	10.0		99.4	78-133		3.69	30	
Bromomethane	3.4		"	10.0		34.0	43-168	Low Bias	12.7	30	
Carbon disulfide	11		"	10.0		112	68-146		2.99	30	
Carbon tetrachloride	11		"	10.0		112	77-141		0.357	30	
Chlorobenzene	11		"	10.0		108	88-120		0.922	30	
Chloroethane	11		"	10.0		113	65-136		4.51	30	
Chloroform	11		"	10.0		111	82-128		0.630	30	
Chloromethane	8.6		"	10.0		85.7	43-155		6.76	30	
cis-1,2-Dichloroethylene	11		"	10.0		106	83-129		0.938	30	
cis-1,3-Dichloropropylene	10		"	10.0		103	80-131		1.27	30	
Cyclohexane	4.7		"	10.0		47.0	63-149	Low Bias	3.14	30	
Dibromochloromethane	9.6		"	10.0		96.0	80-130		3.50	30	
Dibromomethane	10		"	10.0		104	72-134		2.72	30	
Dichlorodifluoromethane	13		"	10.0		134	44-144		5.80	30	
Ethyl Benzene	11		"	10.0		105	80-131		1.32	30	
Hexachlorobutadiene	8.8		"	10.0		88.3	67-146		13.9	30	
Isopropylbenzene	11		"	10.0		107	76-140		8.81	30	
Methyl acetate	12		"	10.0		118	51-139		6.46	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		107	76-135		5.18	30	
Methylcyclohexane	9.3		"	10.0		92.8	72-143		0.649	30	
Methylene chloride	10		"	10.0		102	55-137		3.68	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30847 - EPA 5030B											
LCS Dup (BA30847-BSD1)								Prepared & Analyzed: 01/17/2023			
n-Butylbenzene	9.7		ug/L	10.0		97.4	79-132		5.20	30	
n-Propylbenzene	11		"	10.0		107	78-133		8.56	30	
o-Xylene	10		"	10.0		104	78-130		2.19	30	
p- & m- Xylenes	21		"	20.0		106	77-133		1.32	30	
p-Isopropyltoluene	11		"	10.0		106	81-136		6.86	30	
sec-Butylbenzene	10		"	10.0		104	79-137		6.77	30	
Styrene	10		"	10.0		105	67-132		0.760	30	
tert-Butyl alcohol (TBA)	64		"	50.0		129	25-162		2.36	30	
tert-Butylbenzene	9.1		"	10.0		90.8	77-138		6.91	30	
Tetrachloroethylene	9.9		"	10.0		99.1	82-131		0.904	30	
Toluene	10		"	10.0		99.9	80-127		1.69	30	
trans-1,2-Dichloroethylene	10		"	10.0		105	80-132		2.45	30	
trans-1,3-Dichloropropylene	11		"	10.0		106	78-131		2.01	30	
trans-1,4-dichloro-2-butene	12		"	10.0		120	63-141		3.37	30	
Trichloroethylene	10		"	10.0		100	82-128		1.19	30	
Trichlorofluoromethane	12		"	10.0		116	67-139		1.12	30	
Vinyl Chloride	9.6		"	10.0		96.0	58-145		10.7	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.59*		*"*	*10.0*		*95.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30684 - EPA 3510C											
Blank (BA30684-BLK1)									Prepared & Analyzed: 01/16/2023		
Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								
Surrogate: SURR: Nitrobenzene-d5	*19.9*		*"*	*25.0*		*79.5*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*15.9*		*"*	*25.0*		*63.6*	*39.9-105*				
Surrogate: SURR: Terphenyl-d14	*19.5*		*"*	*25.0*		*78.0*	*30.7-106*				
LCS (BA30684-BS1)									Prepared & Analyzed: 01/16/2023		
Acenaphthene	15.6	0.0500	ug/L	25.0		62.2	24-114				
Acenaphthylene	14.3	0.0500	"	25.0		57.3	26-112				
Anthracene	17.2	0.0500	"	25.0		68.7	35-114				
Benzo(a)anthracene	16.5	0.0500	"	25.0		66.0	38-127				
Benzo(a)pyrene	17.0	0.0500	"	25.0		67.9	30-146				
Benzo(b)fluoranthene	18.1	0.0500	"	25.0		72.5	36-145				
Benzo(g,h,i)perylene	17.8	0.0500	"	25.0		71.1	10-163				
Benzo(k)fluoranthene	18.8	0.0500	"	25.0		75.2	16-149				
Chrysene	16.3	0.0500	"	25.0		65.2	33-120				
Dibenzo(a,h)anthracene	17.5	0.0500	"	25.0		70.1	10-149				
Fluoranthene	17.2	0.0500	"	25.0		68.7	33-126				
Fluorene	16.2	0.0500	"	25.0		65.0	28-117				
Indeno(1,2,3-cd)pyrene	17.5	0.0500	"	25.0		69.8	10-150				
Naphthalene	16.0	0.0500	"	25.0		63.8	30-99				
Phenanthrene	16.8	0.0500	"	25.0		67.2	31-112				
Pyrene	14.5	0.0500	"	25.0		57.8	42-125				
Surrogate: SURR: Nitrobenzene-d5	*20.0*		*"*	*25.0*		*80.2*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*15.6*		*"*	*25.0*		*62.6*	*39.9-105*				
Surrogate: SURR: Terphenyl-d14	*16.9*		*"*	*25.0*		*67.6*	*30.7-106*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30684 - EPA 3510C											
LCS Dup (BA30684-BSD1)								Prepared & Analyzed: 01/16/2023			
Acenaphthene	15.9	0.0500	ug/L	25.0		63.6	24-114		2.29	20	
Acenaphthylene	14.7	0.0500	"	25.0		58.7	26-112		2.41	20	
Anthracene	17.4	0.0500	"	25.0		69.6	35-114		1.33	20	
Benzo(a)anthracene	16.8	0.0500	"	25.0		67.2	38-127		1.86	20	
Benzo(a)pyrene	16.9	0.0500	"	25.0		67.5	30-146		0.532	20	
Benzo(b)fluoranthene	18.0	0.0500	"	25.0		71.9	36-145		0.886	20	
Benzo(g,h,i)perylene	17.5	0.0500	"	25.0		70.2	10-163		1.36	20	
Benzo(k)fluoranthene	18.7	0.0500	"	25.0		74.8	16-149		0.533	20	
Chrysene	16.5	0.0500	"	25.0		65.8	33-120		1.04	20	
Dibenzo(a,h)anthracene	17.3	0.0500	"	25.0		69.1	10-149		1.49	20	
Fluoranthene	17.2	0.0500	"	25.0		68.7	33-126		0.0582	20	
Fluorene	16.8	0.0500	"	25.0		67.0	28-117		3.09	20	
Indeno(1,2,3-cd)pyrene	17.4	0.0500	"	25.0		69.6	10-150		0.287	20	
Naphthalene	16.4	0.0500	"	25.0		65.4	30-99		2.48	20	
Phenanthrene	17.0	0.0500	"	25.0		67.9	31-112		1.07	20	
Pyrene	14.9	0.0500	"	25.0		59.5	42-125		2.80	20	
Surrogate: SURR: Nitrobenzene-d5	*20.4*		*"*	*25.0*		*81.6*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*16.0*		*"*	*25.0*		*64.2*	*39.9-105*				
Surrogate: SURR: Terphenyl-d14	*17.3*		*"*	*25.0*		*69.1*	*30.7-106*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30695 - EPA 3015A											
Blank (BA30695-BLK1)									Prepared: 01/16/2023 Analyzed: 01/17/2023		
Arsenic	ND	0.017	mg/L								
Barium	ND	0.028	"								
Cadmium	ND	0.003	"								
Chromium	ND	0.006	"								
Lead	ND	0.006	"								
Selenium	ND	0.028	"								
Silver	ND	0.006	"								
LCS (BA30695-BS1)									Prepared: 01/16/2023 Analyzed: 01/17/2023		
Arsenic	1.71		mg/L	2.00		85.4	80-120				
Barium	1.93		"	2.00		96.3	80-120				
Cadmium	0.045		"	0.0500		89.1	80-120				
Chromium	0.179		"	0.200		89.6	80-120				
Lead	0.448		"	0.500		89.6	80-120				
Selenium	1.36		"	2.00		67.9	80-120	Low Bias			
Silver	0.046		"	0.0500		92.4	80-120				
Duplicate (BA30695-DUP1)	*Source sample: 23A0708-05 (Duplicate)								Prepared: 01/16/2023 Analyzed: 01/17/2023		
Arsenic	ND	0.017	mg/L		ND					20	
Barium	0.131	0.028	"		0.132				1.27	20	
Cadmium	ND	0.003	"		ND					20	
Chromium	ND	0.006	"		ND					20	
Lead	ND	0.006	"		ND					20	
Selenium	0.060	0.028	"		0.071				17.6	20	
Silver	ND	0.006	"		ND					20	
Matrix Spike (BA30695-MS1)	*Source sample: 23A0708-05 (Matrix Spike)								Prepared: 01/16/2023 Analyzed: 01/17/2023		
Arsenic	2.10	0.017	mg/L	2.22	ND	94.4	75-125				
Barium	2.26	0.028	"	2.22	0.132	95.9	75-125				
Cadmium	0.050	0.003	"	0.0556	ND	90.7	75-125				
Chromium	0.202	0.006	"	0.222	ND	90.8	75-125				
Lead	0.484	0.006	"	0.556	ND	87.1	75-125				
Selenium	1.65	0.028	"	2.22	0.071	71.1	75-125	Low Bias			
Silver	0.049	0.006	"	0.0556	ND	88.3	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30695 - EPA 3015A											
Post Spike (BA30695-PS1)	*Source sample: 23A0708-05 (Post Spike)							Prepared: 01/16/2023 Analyzed: 01/17/2023			
Arsenic	2.03		mg/L	2.00	-0.006	101	75-125				
Barium	2.16		"	2.00	0.119	102	75-125				
Cadmium	0.049		"	0.0500	0.00005	97.0	75-125				
Chromium	0.193		"	0.200	0.001	95.8	75-125				
Lead	0.467		"	0.500	-0.005	93.3	75-125				
Selenium	1.58		"	2.00	0.064	75.8	75-125				
Silver	0.047		"	0.0500	0.003	87.7	75-125				
Batch BA30860 - EPA 3015A											
Blank (BA30860-BLK1)								Prepared: 01/18/2023 Analyzed: 01/19/2023			
Arsenic - Dissolved	ND	0.017	mg/L								
Barium - Dissolved	ND	0.028	"								
Cadmium - Dissolved	ND	0.003	"								
Chromium - Dissolved	ND	0.006	"								
Lead - Dissolved	ND	0.006	"								
Selenium - Dissolved	ND	0.028	"								
Silver - Dissolved	ND	0.006	"								
LCS (BA30860-BS1)								Prepared: 01/18/2023 Analyzed: 01/19/2023			
Arsenic - Dissolved	1.77		ug/mL	2.00		88.5	80-120				
Barium - Dissolved	1.83		"	2.00		91.5	80-120				
Cadmium - Dissolved	0.045		"	0.0500		90.0	80-120				
Chromium - Dissolved	0.172		"	0.200		85.9	80-120				
Lead - Dissolved	0.462		"	0.500		92.5	80-120				
Selenium - Dissolved	1.41		"	2.00		70.6	80-120	Low Bias			
Silver - Dissolved	0.044		"	0.0500		87.0	80-120				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30860 - EPA 3015A											
Duplicate (BA30860-DUP1)	*Source sample: 23A0654-01 (LR-SB08-GW)								Prepared: 01/18/2023 Analyzed: 01/19/2023		
Arsenic - Dissolved	ND	0.017	mg/L		ND					20	
Barium - Dissolved	0.071	0.028	"		0.072				1.36	20	
Cadmium - Dissolved	ND	0.003	"		ND					20	
Chromium - Dissolved	ND	0.006	"		ND					20	
Lead - Dissolved	ND	0.006	"		ND					20	
Selenium - Dissolved	0.041	0.028	"		0.059				36.9	20	Non-dir.
Silver - Dissolved	ND	0.006	"		ND					20	
Matrix Spike (BA30860-MS1)	*Source sample: 23A0654-01 (LR-SB08-GW)								Prepared: 01/18/2023 Analyzed: 01/19/2023		
Arsenic - Dissolved	1.99	0.017	mg/L	2.22	ND	89.7	75-125				
Barium - Dissolved	2.09	0.028	"	2.22	0.072	91.0	75-125				
Cadmium - Dissolved	0.048	0.003	"	0.0556	ND	86.5	75-125				
Chromium - Dissolved	0.190	0.006	"	0.222	ND	85.4	75-125				
Lead - Dissolved	0.494	0.006	"	0.556	ND	88.9	75-125				
Selenium - Dissolved	1.58	0.028	"	2.22	0.059	68.6	75-125	Low Bias			
Silver - Dissolved	0.048	0.006	"	0.0556	ND	85.7	75-125				
Post Spike (BA30860-PS1)	*Source sample: 23A0654-01 (LR-SB08-GW)								Prepared: 01/18/2023 Analyzed: 01/19/2023		
Arsenic - Dissolved	1.76		ug/mL	2.00	0.002	88.1	75-125				
Barium - Dissolved	1.90		"	2.00	0.064	92.0	75-125				
Cadmium - Dissolved	0.043		"	0.0500	-0.00002	85.4	75-125				
Chromium - Dissolved	0.176		"	0.200	0.0006	87.5	75-125				
Lead - Dissolved	0.426		"	0.500	-0.005	85.1	75-125				
Selenium - Dissolved	1.47		"	2.00	0.053	70.9	75-125	Low Bias			
Silver - Dissolved	0.045		"	0.0500	-0.0003	90.2	75-125				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA30778 - EPA SW846-7470A											
Blank (BA30778-BLK1)								Prepared & Analyzed: 01/17/2023			
Mercury	ND	0.0002	mg/L								
LCS (BA30778-BS1)								Prepared & Analyzed: 01/17/2023			
Mercury	0.0020858	0.0002	mg/L	0.00200		104	80-120				
Duplicate (BA30778-DUP1)	*Source sample: 23A0654-01 (LR-SB08-GW)							Prepared & Analyzed: 01/17/2023			
Mercury	ND	0.0002	mg/L		ND					20	
Matrix Spike (BA30778-MS1)	*Source sample: 23A0654-01 (LR-SB08-GW)							Prepared & Analyzed: 01/17/2023			
Mercury	ND	0.0002	mg/L	0.00200	ND		75-125	Low Bias			
Batch BA31121 - EPA SW846-7470A											
Blank (BA31121-BLK1)								Prepared & Analyzed: 01/23/2023			
Mercury - Dissolved	ND	0.0002	mg/L								
LCS (BA31121-BS1)								Prepared & Analyzed: 01/23/2023			
Mercury - Dissolved	0.0019	0.0002	mg/L	0.00200		96.5	80-120				
Duplicate (BA31121-DUP1)	*Source sample: 23A0654-01 (LR-SB08-GW)							Prepared & Analyzed: 01/23/2023			
Mercury - Dissolved	ND	0.0002	mg/L		ND					20	
Matrix Spike (BA31121-MS1)	*Source sample: 23A0654-01 (LR-SB08-GW)							Prepared & Analyzed: 01/23/2023			
Mercury - Dissolved	0.0013	0.0002	mg/L	0.00200	ND	62.8	75-125	Low Bias			

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23A0654-01	LR-SB08-GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-PS	This Element exhibted recovery outside control limits for the Post Spike.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 23A0654

120 Research Drive Stratford, CT 06615 - 132-02 89th Ave Queens, NY 11418 - 56 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK

YOUR Information	Report To:	Invoice To:
Company: LABELLA	Company: LABELLA	Company: LABELLA
Address:	Address:	Address:
Phone.:	Phone.:	Phone.:
Contact: ERIC ORLOWSKI	Contact: E.ORLOWSKI /A.ST.ROMAIN	Contact: ACCTS PAYABLE
E-mail:	E-mail:	E-mail:

YOUR Project Number: CE84134.00

YOUR Project Name: LOVE RD BCP

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day) ✓
- (7-10 for PFAS)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

ERIC ORLOWSKI

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York ✓
New Jersey
Connecticut
Pennsylvania
Other:

Report / EDD Type (circle selections)

Summary Report | CT RCP | EQuIS (Standard)
QA Report | CT RCP DQA/DUE | NYSDEC EQuIS
Standard Excel EDD | NJDEP Reduced Deliverables | NJDKQP
NY ASP B Package | NJDEP SRP HazSite
Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.
LR-SB08-GW	GW	1/12/2023 1235	TCL VOCs, CP-51 SVOCs, TOTAL RCRA METALS, DISSOLVED RCRA METALS	1L Amber	2
				250mL PL	2
				40mL VOA	3

Comments:

Preservation: (check all that apply)

HCl ✓ MeOH ___ HNO3 ✓ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: 4°C

Samples iced/chilled at time of lab pickup? circle Yes or No

Special Instruction

Field Filtered ✓
Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
ERIC ORLOWSKI / LABELLA	1/12/2023 1400	SECURE FRIDGE @ LABELLA	1-13-23 8:10	Chris York	1-13-23 1450
Samples Received by / Company	**Date/Time**	**3. Samples Relinquished by / Company**	**Date/Time**	**3. Samples Received by / Company**	**Date/Time**
Chris York	1-13-23 8:10				
Samples Relinquished by / Company	**Date/Time**	**4. Samples Received by / Company**	**Date/Time**	**Samples Received in LAB by**	**Date/Time / Temperature**
				[signature]	1/13/23 1450 1.1 Degrees C

Technical Report

prepared for:

LaBella Associates (Poughkeepsie)
21 Fox Street
Poughkeepsie NY, 12601
Attention: Eric Orlowski

Report Date: 01/31/2023
Client Project ID: CZ81434.00 Love Road BCP
York Project (SDG) No.: 23A1220

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 01/31/2023
Client Project ID: CZ81434.00 Love Road BCP
York Project (SDG) No.: 23A1220

LaBella Associates (Poughkeepsie)
21 Fox Street
Poughkeepsie NY, 12601
Attention: Eric Orlowski

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 26, 2023 and listed below. The project was identified as your project: **CZ81434.00 Love Road BCP**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
23A1220-01	LR-SB-16 (13-14)	Soil	01/24/2023	01/26/2023
23A1220-02	LR-SB-17 (11-13)	Soil	01/24/2023	01/26/2023
23A1220-03	LR-SB-18 (5-7)	Soil	01/24/2023	01/26/2023

General Notes for York Project (SDG) No.: 23A1220

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:  **Date:** 01/31/2023

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **LR-SB-16 (13-14)** **York Sample ID:** **23A1220-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1220	CZ81434.00 Love Road BCP	Soil	January 24, 2023 12:40 pm	01/26/2023

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.42	0.84	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:31	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.42	0.84	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:31	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		mg/kg dry	0.42	0.84	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:31	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.42	0.84	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:31	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
98-82-8	**Isopropylbenzene**	**1.9**		mg/kg dry	0.42	0.84	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:31	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.42	0.84	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:31	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
91-20-3	Naphthalene	ND		mg/kg dry	0.42	1.7	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:31	FTR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	**n-Butylbenzene**	**1.9**		mg/kg dry	0.42	0.84	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:31	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
103-65-1	**n-Propylbenzene**	**3.3**		mg/kg dry	0.42	0.84	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:31	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
95-47-6	o-Xylene	ND		mg/kg dry	0.42	0.84	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:31	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.42	0.84	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:31	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.42	0.84	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:31	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	**sec-Butylbenzene**	**1.2**		mg/kg dry	0.42	0.84	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:31	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.42	0.84	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:31	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		mg/kg dry	0.42	0.84	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:31	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.42	0.84	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:31	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.5 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.7 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*125 %*	*76-130*

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: LR-SB-16 (13-14) **York Sample ID:** 23A1220-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1220	CZ81434.00 Love Road BCP	Soil	January 24, 2023 12:40 pm	01/26/2023

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.046	0.093	2	EPA 8270D Certifications:	01/29/2023 09:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/30/2023 11:09	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.046	0.093	2	EPA 8270D Certifications:	01/29/2023 09:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/30/2023 11:09	KH
120-12-7	**Anthracene**	**0.13**		mg/kg dry	0.046	0.093	2	EPA 8270D Certifications:	01/29/2023 09:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/30/2023 11:09	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.046	0.093	2	EPA 8270D Certifications:	01/29/2023 09:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/30/2023 11:09	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.046	0.093	2	EPA 8270D Certifications:	01/29/2023 09:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/30/2023 11:09	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.046	0.093	2	EPA 8270D Certifications:	01/29/2023 09:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/30/2023 11:09	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.046	0.093	2	EPA 8270D Certifications:	01/29/2023 09:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/30/2023 11:09	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.046	0.093	2	EPA 8270D Certifications:	01/29/2023 09:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/30/2023 11:09	KH
218-01-9	**Chrysene**	**0.056**	J	mg/kg dry	0.046	0.093	2	EPA 8270D Certifications:	01/29/2023 09:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/30/2023 11:09	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.046	0.093	2	EPA 8270D Certifications:	01/29/2023 09:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/30/2023 11:09	KH
206-44-0	**Fluoranthene**	**0.073**	J	mg/kg dry	0.046	0.093	2	EPA 8270D Certifications:	01/29/2023 09:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/30/2023 11:09	KH
86-73-7	Fluorene	ND		mg/kg dry	0.046	0.093	2	EPA 8270D Certifications:	01/29/2023 09:14 NELAC-NY10854,NJDEP,PADEP	01/30/2023 11:09	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.046	0.093	2	EPA 8270D Certifications:	01/29/2023 09:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/30/2023 11:09	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.046	0.093	2	EPA 8270D Certifications:	01/29/2023 09:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/30/2023 11:09	KH
85-01-8	**Phenanthrene**	**0.63**		mg/kg dry	0.046	0.093	2	EPA 8270D Certifications:	01/29/2023 09:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/30/2023 11:09	KH
129-00-0	**Pyrene**	**0.16**		mg/kg dry	0.046	0.093	2	EPA 8270D Certifications:	01/29/2023 09:14 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/30/2023 11:09	KH

	Surrogate Recoveries	Result		Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*125 %*	S-08	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*82.1 %*		*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*89.8 %*		*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.0**		%	0.100	1	SM 2540G Certifications:	01/26/2023 19:58 CTDOH-PH-0723	01/26/2023 22:44	AGNR

Sample Information

Client Sample ID: **LR-SB-16 (13-14)** **York Sample ID:** **23A1220-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1220	CZ81434.00 Love Road BCP	Soil	January 24, 2023 12:40 pm	01/26/2023

Sample Information

Client Sample ID: **LR-SB-17 (11-13)** **York Sample ID:** **23A1220-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1220	CZ81434.00 Love Road BCP	Soil	January 24, 2023 1:20 pm	01/26/2023

Volatile Organics, CP-51 (formerly STARS) List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.43	0.86	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:57	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.43	0.86	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:57	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
71-43-2	Benzene	ND		mg/kg dry	0.43	0.86	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:57	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.43	0.86	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:57	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.43	0.86	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:57	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.43	0.86	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:57	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
91-20-3	Naphthalene	ND		mg/kg dry	0.43	1.7	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:57	FTR
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	**n-Butylbenzene**	**0.51**	J	mg/kg dry	0.43	0.86	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:57	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
103-65-1	**n-Propylbenzene**	**0.45**	J	mg/kg dry	0.43	0.86	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:57	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA		
95-47-6	o-Xylene	ND		mg/kg dry	0.43	0.86	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:57	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.43	0.86	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:57	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.43	0.86	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:57	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.43	0.86	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:57	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.43	0.86	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:57	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
108-88-3	Toluene	ND		mg/kg dry	0.43	0.86	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:57	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.43	0.86	200	EPA 8260C	01/27/2023 09:00	01/27/2023 15:57	FTR
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*105 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.1 %*	*85-120*

Sample Information

Client Sample ID: LR-SB-17 (11-13) **York Sample ID:** 23A1220-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1220	CZ81434.00 Love Road BCP	Soil	January 24, 2023 1:20 pm	01/26/2023

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*109 %*			*76-130*						

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.049	0.097	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:27	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.049	0.097	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:27	KH
120-12-7	**Anthracene**	**0.058**	J	mg/kg dry	0.049	0.097	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:27	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.049	0.097	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:27	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.049	0.097	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:27	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.049	0.097	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:27	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.049	0.097	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:27	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.049	0.097	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:27	KH
218-01-9	Chrysene	ND		mg/kg dry	0.049	0.097	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:27	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.049	0.097	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:27	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.049	0.097	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:27	KH
86-73-7	Fluorene	ND		mg/kg dry	0.049	0.097	2	EPA 8270D Certifications:	01/27/2023 08:44 NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:27	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.049	0.097	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:27	KH
91-20-3	**Naphthalene**	**0.082**	J	mg/kg dry	0.049	0.097	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:27	KH
85-01-8	**Phenanthrene**	**0.28**		mg/kg dry	0.049	0.097	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:27	KH
129-00-0	**Pyrene**	**0.052**	J	mg/kg dry	0.049	0.097	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:27	KH

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*87.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*75.0 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*78.1 %*	*24-116*

Sample Information

Client Sample ID: LR-SB-17 (11-13) **York Sample ID:** 23A1220-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1220	CZ81434.00 Love Road BCP	Soil	January 24, 2023 1:20 pm	01/26/2023

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**85.8**		%	0.100	1	SM 2540G	01/26/2023 19:58	01/26/2023 22:44	AGNR
							Certifications: CTDOH-PH-0723			

Sample Information

Client Sample ID: LR-SB-18 (5-7) **York Sample ID:** 23A1220-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1220	CZ81434.00 Love Road BCP	Soil	January 24, 2023 2:05 pm	01/26/2023

Volatile Organics, CP-51 (formerly STARS) List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	01/27/2023 09:00	01/27/2023 16:23	FTR
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	01/27/2023 09:00	01/27/2023 16:23	FTR
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	01/27/2023 09:00	01/27/2023 16:23	FTR
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	01/27/2023 09:00	01/27/2023 16:23	FTR
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
98-82-8	**Isopropylbenzene**	**0.014**		mg/kg dry	0.0027	0.0055	1	EPA 8260C	01/27/2023 09:00	01/27/2023 16:23	FTR
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	01/27/2023 09:00	01/27/2023 16:23	FTR
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
91-20-3	Naphthalene	ND		mg/kg dry	0.0027	0.011	1	EPA 8260C	01/27/2023 09:00	01/27/2023 16:23	FTR
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	**n-Butylbenzene**	**0.010**		mg/kg dry	0.0027	0.0055	1	EPA 8260C	01/27/2023 09:00	01/27/2023 16:23	FTR
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA			
103-65-1	**n-Propylbenzene**	**0.0072**		mg/kg dry	0.0027	0.0055	1	EPA 8260C	01/27/2023 09:00	01/27/2023 16:23	FTR
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA			
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	01/27/2023 09:00	01/27/2023 16:23	FTR
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	01/27/2023 09:00	01/27/2023 16:23	FTR
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C	01/27/2023 09:00	01/27/2023 16:23	FTR
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI			
135-98-8	**sec-Butylbenzene**	**0.018**		mg/kg dry	0.0027	0.0055	1	EPA 8260C	01/27/2023 09:00	01/27/2023 16:23	FTR
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA			
98-06-6	**tert-Butylbenzene**	**0.0059**		mg/kg dry	0.0027	0.0055	1	EPA 8260C	01/27/2023 09:00	01/27/2023 16:23	FTR
								Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PA			

Sample Information

Client Sample ID: LR-SB-18 (5-7) **York Sample ID:** 23A1220-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1220	CZ81434.00 Love Road BCP	Soil	January 24, 2023 2:05 pm	01/26/2023

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications:	01/27/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	01/27/2023 16:23	FTR
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications:	01/27/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP	01/27/2023 16:23	FTR

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*100 %*		*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.4 %*		*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*132 %*	S-04, S-08	*76-130*

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.052	0.10	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:56	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.052	0.10	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:56	KH
120-12-7	**Anthracene**	**0.096**	J	mg/kg dry	0.052	0.10	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:56	KH
56-55-3	**Benzo(a)anthracene**	**0.26**		mg/kg dry	0.052	0.10	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:56	KH
50-32-8	**Benzo(a)pyrene**	**0.21**		mg/kg dry	0.052	0.10	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:56	KH
205-99-2	**Benzo(b)fluoranthene**	**0.15**		mg/kg dry	0.052	0.10	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:56	KH
191-24-2	**Benzo(g,h,i)perylene**	**0.16**		mg/kg dry	0.052	0.10	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:56	KH
207-08-9	**Benzo(k)fluoranthene**	**0.22**		mg/kg dry	0.052	0.10	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:56	KH
218-01-9	**Chrysene**	**0.27**		mg/kg dry	0.052	0.10	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:56	KH
53-70-3	**Dibenzo(a,h)anthracene**	**0.060**	J	mg/kg dry	0.052	0.10	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:56	KH
206-44-0	**Fluoranthene**	**0.51**		mg/kg dry	0.052	0.10	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:56	KH
86-73-7	Fluorene	ND		mg/kg dry	0.052	0.10	2	EPA 8270D Certifications:	01/27/2023 08:44 NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:56	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.14**		mg/kg dry	0.052	0.10	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:56	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.052	0.10	2	EPA 8270D Certifications:	01/27/2023 08:44 CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP	01/27/2023 15:56	KH

Sample Information

Client Sample ID: LR-SB-18 (5-7) **York Sample ID:** 23A1220-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23A1220	CZ81434.00 Love Road BCP	Soil	January 24, 2023 2:05 pm	01/26/2023

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	**Phenanthrene**	**0.34**		mg/kg dry	0.052	0.10	2	EPA 8270D	01/27/2023 08:44	01/27/2023 15:56	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.58**		mg/kg dry	0.052	0.10	2	EPA 8270D	01/27/2023 08:44	01/27/2023 15:56	KH
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*73.2 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*63.8 %*	*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*83.4 %*	*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**80.4**		%	0.100	1	SM 2540G	01/26/2023 19:58	01/26/2023 22:44	AGNR
							Certifications:	CTDOH-PH-0723		

Analytical Batch Summary

Batch ID: BA31434 **Preparation Method:** % Solids Prep **Prepared By:** AGNR

YORK Sample ID	Client Sample ID	Preparation Date
23A1220-01	LR-SB-16 (13-14)	01/26/23
23A1220-02	LR-SB-17 (11-13)	01/26/23
23A1220-03	LR-SB-18 (5-7)	01/26/23
BA31434-DUP1	Duplicate	01/26/23

Batch ID: BA31462 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
23A1220-02	LR-SB-17 (11-13)	01/27/23
23A1220-03	LR-SB-18 (5-7)	01/27/23
BA31462-BLK1	Blank	01/27/23
BA31462-BS1	LCS	01/27/23
BA31462-MS1	Matrix Spike	01/27/23
BA31462-MSD1	Matrix Spike Dup	01/27/23

Batch ID: BA31469 **Preparation Method:** EPA 5035A **Prepared By:** FTR

YORK Sample ID	Client Sample ID	Preparation Date
23A1220-01	LR-SB-16 (13-14)	01/27/23
23A1220-02	LR-SB-17 (11-13)	01/27/23
23A1220-03	LR-SB-18 (5-7)	01/27/23
BA31469-BLK1	Blank	01/27/23
BA31469-BLK2	Blank	01/27/23
BA31469-BS1	LCS	01/27/23
BA31469-BSD1	LCS Dup	01/27/23

Batch ID: BA31533 **Preparation Method:** EPA 3550C **Prepared By:** CLO

YORK Sample ID	Client Sample ID	Preparation Date
23A1220-01	LR-SB-16 (13-14)	01/29/23
BA31533-BLK1	Blank	01/29/23
BA31533-BS1	LCS	01/29/23
BA31533-MS1	Matrix Spike	01/29/23
BA31533-MSD1	Matrix Spike Dup	01/29/23

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA31469 - EPA 5035A											
Blank (BA31469-BLK1)									Prepared & Analyzed: 01/27/2023		
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Benzene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.0050	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Toluene	ND	0.0050	"								
Xylenes, Total	ND	0.0050	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.0*		*ug/L*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.6*		*"*	*50.0*		*99.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.0*		*"*	*50.0*		*108*	*76-130*				
Blank (BA31469-BLK2)									Prepared & Analyzed: 01/27/2023		
1,2,4-Trimethylbenzene	ND	0.50	mg/kg wet								
1,3,5-Trimethylbenzene	ND	0.50	"								
Benzene	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Naphthalene	ND	1.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	0.50	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Toluene	ND	0.50	"								
Xylenes, Total	ND	0.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.5*		*ug/L*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.2*		*"*	*50.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.6*		*"*	*50.0*		*109*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA31469 - EPA 5035A											
LCS (BA31469-BS1)							Prepared & Analyzed: 01/27/2023				
1,2,4-Trimethylbenzene	55		ug/L	50.0		110	84-125				
1,3,5-Trimethylbenzene	54		"	50.0		108	82-126				
Benzene	52		"	50.0		105	77-127				
Ethyl Benzene	55		"	50.0		109	84-125				
Isopropylbenzene	57		"	50.0		114	81-127				
Methyl tert-butyl ether (MTBE)	50		"	50.0		101	74-131				
Naphthalene	54		"	50.0		109	86-141				
n-Butylbenzene	55		"	50.0		111	80-130				
n-Propylbenzene	56		"	50.0		111	74-136				
o-Xylene	55		"	50.0		110	83-123				
p- & m- Xylenes	110		"	100		111	82-128				
p-Isopropyltoluene	54		"	50.0		108	85-125				
sec-Butylbenzene	56		"	50.0		111	83-125				
tert-Butylbenzene	55		"	50.0		111	80-127				
Toluene	55		"	50.0		109	85-121				
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.5*		*"*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.9*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.4*		*"*	*50.0*		*105*	*76-130*				
LCS Dup (BA31469-BSD1)							Prepared & Analyzed: 01/27/2023				
1,2,4-Trimethylbenzene	54		ug/L	50.0		108	84-125		1.59	30	
1,3,5-Trimethylbenzene	54		"	50.0		108	82-126		0.499	30	
Benzene	53		"	50.0		106	77-127		1.50	30	
Ethyl Benzene	54		"	50.0		108	84-125		1.05	30	
Isopropylbenzene	56		"	50.0		112	81-127		1.67	30	
Methyl tert-butyl ether (MTBE)	53		"	50.0		105	74-131		4.41	30	
Naphthalene	53		"	50.0		107	86-141		1.96	30	
n-Butylbenzene	55		"	50.0		109	80-130		1.22	30	
n-Propylbenzene	55		"	50.0		109	74-136		1.58	30	
o-Xylene	54		"	50.0		108	83-123		1.14	30	
p- & m- Xylenes	110		"	100		110	82-128		1.12	30	
p-Isopropyltoluene	53		"	50.0		107	85-125		1.04	30	
sec-Butylbenzene	55		"	50.0		109	83-125		1.54	30	
tert-Butylbenzene	55		"	50.0		110	80-127		1.11	30	
Toluene	54		"	50.0		108	85-121		1.05	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.0*		*"*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.1*		*"*	*50.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.4*		*"*	*50.0*		*103*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA31462 - EPA 3550C											
Blank (BA31462-BLK1)									Prepared & Analyzed: 01/27/2023		
Acenaphthene	ND	0.042	mg/kg wet								
Acenaphthylene	ND	0.042	"								
Anthracene	ND	0.042	"								
Benzo(a)anthracene	ND	0.042	"								
Benzo(a)pyrene	ND	0.042	"								
Benzo(b)fluoranthene	ND	0.042	"								
Benzo(g,h,i)perylene	ND	0.042	"								
Benzo(k)fluoranthene	ND	0.042	"								
Chrysene	ND	0.042	"								
Dibenzo(a,h)anthracene	ND	0.042	"								
Fluoranthene	ND	0.042	"								
Fluorene	ND	0.042	"								
Indeno(1,2,3-cd)pyrene	ND	0.042	"								
Naphthalene	ND	0.042	"								
Phenanthrene	ND	0.042	"								
Pyrene	ND	0.042	"								
Surrogate: SURR: Nitrobenzene-d5	*0.52*		*"*	*0.833*		*62.8*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.45*		*"*	*0.833*		*54.1*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.51*		*"*	*0.833*		*61.7*	*24-116*				
LCS (BA31462-BS1)									Prepared & Analyzed: 01/27/2023		
Acenaphthene	0.56	0.042	mg/kg wet	0.833		67.2	17-124				
Acenaphthylene	0.52	0.042	"	0.833		62.1	16-124				
Anthracene	0.60	0.042	"	0.833		72.6	24-124				
Benzo(a)anthracene	0.58	0.042	"	0.833		69.4	25-134				
Benzo(a)pyrene	0.51	0.042	"	0.833		61.1	29-144				
Benzo(b)fluoranthene	0.52	0.042	"	0.833		62.0	20-151				
Benzo(g,h,i)perylene	0.53	0.042	"	0.833		63.7	10-153				
Benzo(k)fluoranthene	0.51	0.042	"	0.833		61.5	10-148				
Chrysene	0.56	0.042	"	0.833		67.4	24-116				
Dibenzo(a,h)anthracene	0.54	0.042	"	0.833		64.6	17-147				
Fluoranthene	0.56	0.042	"	0.833		66.6	36-125				
Fluorene	0.56	0.042	"	0.833		67.8	16-130				
Indeno(1,2,3-cd)pyrene	0.63	0.042	"	0.833		76.1	10-155				
Naphthalene	0.58	0.042	"	0.833		69.5	20-121				
Phenanthrene	0.58	0.042	"	0.833		69.5	24-123				
Pyrene	0.57	0.042	"	0.833		68.8	24-132				
Surrogate: SURR: Nitrobenzene-d5	*0.62*		*"*	*0.833*		*74.6*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.56*		*"*	*0.833*		*67.1*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.62*		*"*	*0.833*		*74.6*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA31462 - EPA 3550C											
Matrix Spike (BA31462-MS1)	*Source sample: 23A1231-05 (Matrix Spike)							Prepared & Analyzed: 01/27/2023			
Acenaphthene	0.63	0.090	mg/kg dry	0.901	ND	70.2	13-133				
Acenaphthylene	0.57	0.090	"	0.901	ND	63.7	25-125				
Anthracene	0.67	0.090	"	0.901	ND	74.6	27-128				
Benzo(a)anthracene	0.68	0.090	"	0.901	0.048	70.6	20-147				
Benzo(a)pyrene	0.63	0.090	"	0.901	0.047	64.5	18-153				
Benzo(b)fluoranthene	0.66	0.090	"	0.901	ND	73.3	10-163				
Benzo(g,h,i)perylene	0.64	0.090	"	0.901	ND	70.8	10-157				
Benzo(k)fluoranthene	0.65	0.090	"	0.901	ND	72.0	10-157				
Chrysene	0.65	0.090	"	0.901	0.049	66.7	18-133				
Dibenzo(a,h)anthracene	0.61	0.090	"	0.901	ND	68.2	10-146				
Fluoranthene	0.67	0.090	"	0.901	0.080	65.7	10-155				
Fluorene	0.62	0.090	"	0.901	ND	68.5	12-150				
Indeno(1,2,3-cd)pyrene	0.64	0.090	"	0.901	ND	71.0	10-155				
Naphthalene	0.64	0.090	"	0.901	ND	71.4	15-132				
Phenanthrene	0.69	0.090	"	0.901	0.050	71.0	10-151				
Pyrene	0.70	0.090	"	0.901	0.080	69.3	13-148				
Surrogate: SURR: Nitrobenzene-d5	*0.63*		*"*	*0.901*		*70.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.55*		*"*	*0.901*		*61.4*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.60*		*"*	*0.901*		*66.5*	*24-116*				
Matrix Spike Dup (BA31462-MSD1)	*Source sample: 23A1231-05 (Matrix Spike Dup)							Prepared & Analyzed: 01/27/2023			
Acenaphthene	0.68	0.090	mg/kg dry	0.901	ND	75.0	13-133		6.62	30	
Acenaphthylene	0.60	0.090	"	0.901	ND	67.1	25-125		5.26	30	
Anthracene	0.74	0.090	"	0.901	ND	82.6	27-128		10.1	30	
Benzo(a)anthracene	0.80	0.090	"	0.901	0.048	83.8	20-147		16.0	30	
Benzo(a)pyrene	0.73	0.090	"	0.901	0.047	76.3	18-153		15.6	30	
Benzo(b)fluoranthene	0.74	0.090	"	0.901	ND	81.7	10-163		10.8	30	
Benzo(g,h,i)perylene	0.71	0.090	"	0.901	ND	78.7	10-157		10.6	30	
Benzo(k)fluoranthene	0.77	0.090	"	0.901	ND	85.2	10-157		16.8	30	
Chrysene	0.77	0.090	"	0.901	0.049	80.4	18-133		17.3	30	
Dibenzo(a,h)anthracene	0.66	0.090	"	0.901	ND	73.4	10-146		7.34	30	
Fluoranthene	0.91	0.090	"	0.901	0.080	91.6	10-155		29.6	30	
Fluorene	0.65	0.090	"	0.901	ND	72.7	12-150		6.01	30	
Indeno(1,2,3-cd)pyrene	0.70	0.090	"	0.901	ND	78.1	10-155		9.44	30	
Naphthalene	0.70	0.090	"	0.901	ND	77.4	15-132		8.17	30	
Phenanthrene	0.93	0.090	"	0.901	0.050	97.9	10-151		29.9	30	
Pyrene	0.94	0.090	"	0.901	0.080	95.5	13-148		28.7	30	
Surrogate: SURR: Nitrobenzene-d5	*0.66*		*"*	*0.901*		*73.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.58*		*"*	*0.901*		*64.2*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.63*		*"*	*0.901*		*70.5*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA31533 - EPA 3550C											
Blank (BA31533-BLK1)											Prepared: 01/29/2023 Analyzed: 01/30/2023
Acenaphthene	ND	0.042	mg/kg wet								
Acenaphthylene	ND	0.042	"								
Anthracene	ND	0.042	"								
Benzo(a)anthracene	ND	0.042	"								
Benzo(a)pyrene	ND	0.042	"								
Benzo(b)fluoranthene	ND	0.042	"								
Benzo(g,h,i)perylene	ND	0.042	"								
Benzo(k)fluoranthene	ND	0.042	"								
Chrysene	ND	0.042	"								
Dibenzo(a,h)anthracene	ND	0.042	"								
Fluoranthene	ND	0.042	"								
Fluorene	ND	0.042	"								
Indeno(1,2,3-cd)pyrene	ND	0.042	"								
Naphthalene	ND	0.042	"								
Phenanthrene	ND	0.042	"								
Pyrene	ND	0.042	"								
Surrogate: SURR: Nitrobenzene-d5	*0.57*		*"*	*0.833*		*68.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.48*		*"*	*0.833*		*57.1*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.55*		*"*	*0.833*		*66.3*	*24-116*				
LCS (BA31533-BS1)											Prepared: 01/29/2023 Analyzed: 01/30/2023
Acenaphthene	0.58	0.042	mg/kg wet	0.833		69.0	17-124				
Acenaphthylene	0.54	0.042	"	0.833		64.3	16-124				
Anthracene	0.63	0.042	"	0.833		75.5	24-124				
Benzo(a)anthracene	0.59	0.042	"	0.833		70.8	25-134				
Benzo(a)pyrene	0.49	0.042	"	0.833		58.7	29-144				
Benzo(b)fluoranthene	0.55	0.042	"	0.833		66.0	20-151				
Benzo(g,h,i)perylene	0.51	0.042	"	0.833		61.6	10-153				
Benzo(k)fluoranthene	0.53	0.042	"	0.833		64.0	10-148				
Chrysene	0.57	0.042	"	0.833		68.0	24-116				
Dibenzo(a,h)anthracene	0.52	0.042	"	0.833		62.6	17-147				
Fluoranthene	0.55	0.042	"	0.833		66.5	36-125				
Fluorene	0.58	0.042	"	0.833		69.7	16-130				
Indeno(1,2,3-cd)pyrene	0.55	0.042	"	0.833		66.4	10-155				
Naphthalene	0.59	0.042	"	0.833		70.9	20-121				
Phenanthrene	0.59	0.042	"	0.833		71.0	24-123				
Pyrene	0.61	0.042	"	0.833		72.6	24-132				
Surrogate: SURR: Nitrobenzene-d5	*0.60*		*"*	*0.833*		*71.6*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.52*		*"*	*0.833*		*62.8*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.60*		*"*	*0.833*		*71.4*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA31533 - EPA 3550C											
Matrix Spike (BA31533-MS1)	*Source sample: 23A1368-03 (Matrix Spike)							Prepared: 01/29/2023 Analyzed: 01/30/2023			
Acenaphthene	0.64	0.091	mg/kg dry	0.908	ND	70.6	13-133				
Acenaphthylene	0.58	0.091	"	0.908	ND	64.4	25-125				
Anthracene	0.68	0.091	"	0.908	ND	75.4	27-128				
Benzo(a)anthracene	0.67	0.091	"	0.908	ND	74.0	20-147				
Benzo(a)pyrene	0.60	0.091	"	0.908	ND	66.1	18-153				
Benzo(b)fluoranthene	0.63	0.091	"	0.908	ND	69.9	10-163				
Benzo(g,h,i)perylene	0.58	0.091	"	0.908	ND	63.4	10-157				
Benzo(k)fluoranthene	0.65	0.091	"	0.908	ND	71.8	10-157				
Chrysene	0.65	0.091	"	0.908	ND	71.4	18-133				
Dibenzo(a,h)anthracene	0.59	0.091	"	0.908	ND	65.5	10-146				
Fluoranthene	0.64	0.091	"	0.908	ND	70.9	10-155				
Fluorene	0.65	0.091	"	0.908	ND	71.9	12-150				
Indeno(1,2,3-cd)pyrene	0.69	0.091	"	0.908	ND	75.8	10-155				
Naphthalene	0.66	0.091	"	0.908	ND	73.2	15-132				
Phenanthrene	0.65	0.091	"	0.908	ND	72.2	10-151				
Pyrene	0.65	0.091	"	0.908	ND	71.8	13-148				
Surrogate: SURR: Nitrobenzene-d5	*0.66*		*"*	*0.908*		*72.3*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.58*		*"*	*0.908*		*63.5*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.65*		*"*	*0.908*		*71.2*	*24-116*				
Matrix Spike Dup (BA31533-MSD1)	*Source sample: 23A1368-03 (Matrix Spike Dup)							Prepared: 01/29/2023 Analyzed: 01/30/2023			
Acenaphthene	0.72	0.090	mg/kg dry	0.902	ND	80.0	13-133		11.9	30	
Acenaphthylene	0.66	0.090	"	0.902	ND	73.2	25-125		12.1	30	
Anthracene	0.76	0.090	"	0.902	ND	84.2	27-128		10.5	30	
Benzo(a)anthracene	0.76	0.090	"	0.902	ND	84.2	20-147		12.2	30	
Benzo(a)pyrene	0.68	0.090	"	0.902	ND	75.3	18-153		12.4	30	
Benzo(b)fluoranthene	0.72	0.090	"	0.902	ND	79.9	10-163		12.7	30	
Benzo(g,h,i)perylene	0.69	0.090	"	0.902	ND	76.4	10-157		18.0	30	
Benzo(k)fluoranthene	0.76	0.090	"	0.902	ND	84.6	10-157		15.7	30	
Chrysene	0.74	0.090	"	0.902	ND	82.2	18-133		13.4	30	
Dibenzo(a,h)anthracene	0.70	0.090	"	0.902	ND	77.5	10-146		16.1	30	
Fluoranthene	0.70	0.090	"	0.902	ND	77.8	10-155		8.60	30	
Fluorene	0.73	0.090	"	0.902	ND	81.1	12-150		11.4	30	
Indeno(1,2,3-cd)pyrene	0.83	0.090	"	0.902	ND	91.6	10-155		18.2	30	
Naphthalene	0.73	0.090	"	0.902	ND	80.5	15-132		8.82	30	
Phenanthrene	0.72	0.090	"	0.902	ND	80.3	10-151		10.0	30	
Pyrene	0.73	0.090	"	0.902	ND	80.6	13-148		10.9	30	
Surrogate: SURR: Nitrobenzene-d5	*0.73*		*"*	*0.902*		*80.5*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.64*		*"*	*0.902*		*71.4*	*21-113*				
Surrogate: SURR: Terphenyl-d14	*0.73*		*"*	*0.902*		*81.0*	*24-116*				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA31434 - % Solids Prep											
Duplicate (BA31434-DUP1)	*Source sample: 23A1220-01 (LR-SB-16 (13-14))								Prepared & Analyzed: 01/26/2023		
% Solids	89.5	0.100	%		89.0				0.576	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23A1220-01	LR-SB-16 (13-14)	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
23A1220-02	LR-SB-17 (11-13)	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
23A1220-03	LR-SB-18 (5-7)	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 23A1220 ~~23A11~~

120 Research Drive Stratford, CT 06615 - 132-02 89th Ave Queens, NY 11418 - 56 Church Hill Rd. #2 Newtown, CT 06470 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK

YOUR Information	Report To:	Invoice To:
Company: LABELLA	Company: LABELLA	Company: LABELLA
Address:	Address:	Address:
Phone.:	Phone.:	Phone.:
Contact: ERIC ORLOWSKI	Contact: E.ORLOWSKI/A.ST.ROMAIN	Contact: ACCTS PAYABLE
E-mail:	E-mail:	E-mail:

YOUR Project Number: CT81434.00

YOUR Project Name: LONE ROAD BCP

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	✓
(7-10 for PFAS)	

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

ERIC ORLOWSKI
E.Orlowski

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York ✓
New Jersey
Connecticut
Pennsylvania
Other:

Report / EDD Type (circle selections)

Summary Report | CT RCP | EQuIS (Standard)
QA Report | CT RCP DQA/DUE | NYSDEC EQuIS
Standard Excel EDD | NJDEP Reduced Deliverables | NJDKQP
NY ASP B Package | NJDEP SRP HazSite
Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)
PART 375

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.
LR-SB-16 (13-14)	Soil	1/24/2023 1240	CP-51 VOCs, CP-51 SVOCs	1x 8oz, 4x40	mL
LR-SB-17 (11-13)	↓	1320	↓ ↓	↓ ↓	
LR-SB-18 (5-7)	↓	1405	↓ ↓	↓ ↓	

Comments:

Preservation: (check all that apply)

HCl ___ MeOH ✓ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: 4°C

Special Instruction

Field Filtered
Lab to Filter

Samples iced/chilled at time of lab pickup? circle Yes or No

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
E.Orlowski / LABELLA	1/24/2023 1730	SECURE FRIDGE @ LABELLA	1-26-23 9:25	Client @ York	1-26-23 1415
Samples Received by / Company	**Date/Time**	**3. Samples Relinquished by / Company**	**Date/Time**	**3. Samples Received by / Company**	**Date/Time**
Client @ York	1-26-23 9:25 1415				
Samples Relinquished by / Company	**Date/Time**	**4. Samples Received by / Company**	**Date/Time**	**Samples Received in LAB by**	**Date/Time / Temperature**
					1/26/23 1415 1.0 Degrees C