GALLAGHER BASSETT | TECHNICAL SERVICES

SUMMARY REPORT OF

ENVIRONMENTAL INVESTIGATION

Proposed Railroad Avenue Apartments

305, 307, 321 & 329 Railroad Avenue;
303 Requa Street; and 318, 322 & 330 South Street

City of Peekskill

Westchester County, New York

NYSDEC Spill Number: 0409835

March 2022

GBTS Project: 21003-0067

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SUMMARY REPORT OF

ENVIRONMENTAL INVESTIGATION

March 2022

GBTS Project: 21003-0067

Prepared By:

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Prepared For:

Peekskill Bay LLC
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Valhalla, New York 10595

Environmental investigation services were performed by Gallagher Bassett Technical Services (GBTS). The undersigned have reviewed this Summary Report of Environmental Investigation and certify to Peekskill Bay LLC that the information provided in this document is accurate as of the date of issuance by this office.

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Manager – Environmental Consulting

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1.0 INTRODUCTION

1.1 Purpose

This Summary Report of Environmental Investigation (Report) documents environmental fieldwork performed by Gallagher Bassett Technical Services (GBTS) at the proposed Railroad Avenue Apartments property located at 305, 307, 321 & 329 Railroad Avenue, 303 Requa Street, and 318, 322 & 330 South Street, City of Peekskill, Westchester County, New York (the "Site"). Investigative work was performed to address the extent of known and suspect environmental contamination at the Site (see Section 1.4).

This Report describes all fieldwork methodologies for the work conducted by GBTS, includes discussions of the resulting analytical data from collected samples and provides conclusions and recommendations drawn from the fieldwork and analytical data.

1.2 Limitations

This written analysis summarizes environmental fieldwork activities conducted on specified portions of the above-referenced property during the indicated fieldwork dates, and is not relevant to other portions of this property or any other property. Environmental services were performed in accordance with generally accepted practices and protocols established by the New York State Department of Environmental Conservation (NYSDEC). Findings, conclusions, and recommendations provided by GBTS are based on professional judgement.

1.3 Site Location and Description

The property is a 1.49-acre parcel comprised of eight (8) contiguous tax lots, located on the eastern side of Railroad Avenue, northern side of Requa Street, and western side of South Street. The Peekskill Metro North railroad station and parking facilities adjoin the Site to the west, followed by the Hudson River (approximately 450 feet from the western Site boundary).

329 Railroad Avenue, at the northwestern corner of the Site, contains a delicatessen, and 303 Requa Street, at the southern portion, contains a dwelling. A small one-story building (former taxi facility and drop-off dry cleaner, previously associated with a filling station) is located at the northern half of 321 Railroad Avenue. The lots at 305, 307 and 321 Railroad Avenue are used for parking (the lot at 305 Railroad Avenue is a paved, municipal facility). The remaining areas of the Site (along South Street) are vacant, wooded land.

A Fieldwork Map indicating Site layout is provided in Appendix A.

1.4 Previous Environmental Reports

Site conditions are documented in the following previous environmental reports:

- 307 & 321 Railroad Avenue: *Combined Phase I and Phase II Environmental Site Assessment*, Ecosystems Strategies, Inc. (ESI), December 2004
- 321 Railroad Avenue: *Summary Report of Supplemental Soil and Groundwater Investigation*, ESI, February 2005
- 321 Railroad Avenue: *Phase I Environmental Site Assessment*, ESI, December 2005
- 318 South Street: *Phase I Environmental Site Assessment*, ESI, September 2005
- 322 and 330 South Street: *Phase I Environmental Site Assessment*, ESI, November 2005
- 303 Requa Street: *Phase I Environmental Site Assessment*, ESI, December 2005

The property at 321 Railroad Avenue was identified as a historical filling station and a ground penetrating radar (GPR) survey identified two, 550-gallon underground storage tanks (USTs) to the south of the existing building, and evidence of a former fuel-pump island to the west. Field evidence of petroleum contamination, including the presence of nonaqueous-phase liquid (NAPL), was observed in several soil borings extended near and immediately downgradient of the USTs. Petroleum impacted soils were observed to extend into the saturated zone at 6 to 8 feet below grade surface (bgs). Elevated concentrations of volatile organic compounds (VOCs) and polycyclic aromatic hydrocarbons (PAHs) were documented in soil samples collected from areas exhibiting petroleum contamination (low-level impacts were documented, at a minimum, in all downgradient sampling locations). Based on these findings, which were consistent with a petroleum release from the USTs or distribution system, a spill event (#0409835) was reported to NYSDEC on December 3, 2004.

Additional investigative work further delineated the extent of petroleum contamination in soil and documented the presence of elevated VOCs in groundwater at the western margin of the spill site, near the former fuel-pump island. No significant groundwater impacts were found near the USTs or at the southwestern corner of the Site. No chlorinated hydrocarbons were detected in sampled media.

Phase I assessments at other Site tax-lot parcels did not identify any specific historical or current uses indicating Recognized Environmental Conditions; all lots, however, were documented to have been first developed in the late 1880s/early 1900s, and to be located in an area utilized by heavy industry.

2.0 SUBSURFACE INVESTIGATION

2.1 Summary of Services

GBTS advanced nine (9) mechanized soil borings at the Site on May 25, 2021 ("SB" series). An additional six (6) mechanized soil borings ("2SB" series) were advanced, and fourteen (14) manual surface samples were collected ("2SS" series), on December 18, 2021.

This Report is divided into sections that document fieldwork methodology (Section 2.2) and laboratory results (Section 2.3), and present GBTS's conclusions and recommendations (Section 3.0). A map indicating fieldwork locations and selected Site features is provided in Appendix A.

2.2 Fieldwork Activities

2.2.1 Site Preparation Services

GBTS requested a complete utility markout (as required by New York State Department of Labor regulations) and on-site personnel reviewed the markout and underground utility locations prior to the initiation of fieldwork.

2.2.2 Fieldwork Methodology

General Protocols

Encountered material was screened with a properly calibrated MiniRAE 3000 (Model PGM 7320) photo-ionization detector (PID) for volatile organic vapors. Field observations were recorded in log books, including any indications of contamination. Relevant information from GBTS logs for each fieldwork location is summarized in Appendix B.

GBTS collected samples in general conformance with NYSDEC and NYSDOH fieldwork protocols. All field personnel wore dedicated, disposable gloves during relevant fieldwork activities, and any non-dedicated sampling instruments were decontaminated prior to media collection.

Soil samples were collected directly from acetate sleeves lining the barrels of the mechanized boring equipment, or from disposable trowels at the surface sampling areas. Soil collection for VOC analysis was conducted according to USEPA Method 5035 fieldwork protocols, utilizing laboratory sampling kits.

All samples were collected into appropriately-sized containers provided by the laboratory (with preservatives as required for the specific analysis), and were maintained at proper temperatures while in GBTS's custody. Samples were transported via courier (under chain of custody) to York Analytical Laboratories, Inc., a NYSDOH-certified laboratory (ELAP 10854) for chemical analyses.

Observations

All mechanized soil borings were advanced by Core Down Drilling with a Geoprobe direct-push corer equipped with disposable acetate sleeves (used to prevent the cross contamination of soil samples). Soil was recovered at each boring location at intervals of 5 feet to a maximum depth

of 15 feet bgs or until refusal was reached. Surface soil samples (material within the upper 12 inches immediately below any surface organic matter) were collected using a manual Geoprobe (May) and by GBTS personnel using disposable trowels (December).

Variable-texture fill materials (generally sandy loam) with coal, brick, ash and debris, were encountered to a maximum depth of 11 feet bgs, overlying native clay, silt and loam soil. Boring refusal (likely bedrock) was encountered at 13 feet bgs at one location at the western portion of the Site and between 6 to 8 feet bgs at several locations at the eastern portion. Field evidence of petroleum contamination (odors, staining, sheen, high PID readings) were observed at SB-03 between 5 and 10 feet bsg, located at the southwestern corner of 321 Railroad Avenue, with faint petroleum odors and low PID readings observed at a similar depth SB-02 at 307 Railroad Avenue. Saturated soil was encountered from 5 to 10 feet bgs at the western portion of the Site.

2.3 Laboratory Analysis

2.3.1 Standards, Criteria and/or Guidance

Laboratory results are compared to NYSDEC Remedial Program Soil Cleanup Objectives (SCOs) for Unrestricted Use (UU) and Restricted-Residential Use (RRU) as provided in 6 NYCRR Subpart 375, Tables 375-6.8(a) and 375-6.8(b), and (as needed) Soil Cleanup Levels (for gasoline and fuel oil contaminated Soils) in NYSDEC CP-51 (Soil Cleanup Guidance, October 2010) Tables 2 and 3.

2.3.2 Laboratory Submission

Samples were submitted for laboratory analysis as follows:

Analyte Class	Sample IDs (depth in feet bgs)
VOCs	SB-03 (6)
SVOCs	SB-01 (8-10), SB-02 (5-10), SB-04 (0-2), SB-05 (0-5), SB-03 (5-7)
Pesticides and PCBs	SB-01 (8-10), SB-02 (5-10), SB-04 (0-2), SB-05 (0-5), SB-06 (0-1), SB-07 (0-1), SB-08 (0-1), and SB-09 (0-1)
TAL metals	SB-01 (8-10), SB-02 (5-10), SB-04 (0-2), SB-05 (0-5), SB-06 (0-1), SB-07 (0-1), SB-08 (0-1), and SB-09 (0-1)
Barium, lead and mercury	2SB-01 (5), 2SB-02 (2), 2SB-02 (7), 2SB-03 (3), 2SB-03 (5), 2SB-04 (3), 2SB-05 (4), 2SB-06 (4), 2SS-01 through 2SS-14

2.3.3 Laboratory Results

A summary of the results of the laboratory analyses is presented below. Results are referenced as parts per million (ppm, equivalent to milligrams per kilogram). Data summary tables and the laboratory reports are provided as Appendices C and D, respectively.

VOCs

No VOCs were detected above RRU SCOs. Three petroleum compounds were reported above required clean-up levels at spill sites, including: 1,2,4-trimethylbenzene (3.7 ppm; UU SCO 3.6 ppm), ethyl benzene (3.6 ppm; UU SCO 1 ppm), and n-butylbenzene (26 ppm; UU SCO 12 ppm). Exceedances for both ethyl benzene and n-butylbenzene are above Protection of Groundwater (POG) SCOs (these VOCs were previously identified above standards in a groundwater sample). Relatively high levels were reported for two gasoline compounds, cyclohexane (28 ppm) and methylcyclohexane (61 ppm), which have no established SCOs.

SVOCs

Polycyclic aromatic hydrocarbons (PAHs) were detected above RRU SCOs at SB-01 (8-10), SB-02 (5-10), and SB-04 (0-2), including peak levels of benzo(a)anthracene (7.43 ppm), benzo(a)pyrene (5.2 ppm), benzo(b)fluoranthene (4.23 ppm) and indeno(1,2,3-cd)pyrene (3.11 ppm). Non-PAH SVOCs (no SCOs established) included 1,1'-biphenyl, 3- & 4-methylphenols, naphthalene, and 2-methylnaphthalene.

Pesticides/PCBs

No pesticides were detected above RRU SCOs. Alpha-chlordane, and DDT and breakdown products, were reported above UU SCOs at SB-05 (0-5), SB-06 (0-1), SB-07 (0-1), SB-08 (0-1), and SB-09 (0-1). No PCBs were reported in any samples.

Metals

Metals were detected above RRU SCOs in fourteen (14) samples, as follows: barium (479 to 925 ppm; RRU SCO 400 ppm); lead (458 to 10,600 ppm; RRU SCO 400 ppm); and mercury (0.935 to 4.62 ppm; RRU SCO 0.81 ppm). Lead was reported above 1,000 ppm in six (6) of these samples. Several samples contained cadmium, chromium, copper and/or zinc above UU SCOs.

3.0 CONCLUSIONS

GBTS has completed the services summarized in Section 2.0 on specified portions of the Railroad Avenue Apartments property located at 305, 307, 321 & 329 Railroad Avenue, 303 Requa Street, and 318, 322 & 330 South Street, City of Peekskill, Westchester County, New York. A subsurface investigation was conducted in order to document the presence or absence of subsurface contamination from historical uses. Soil samples were collected from fifteen (15) mechanized soil borings and fourteen (14) surface locations, supplementing previous data from an investigation performed in the vicinity of a former on-Site filling station (area of NYSDEC spill event 0409835.

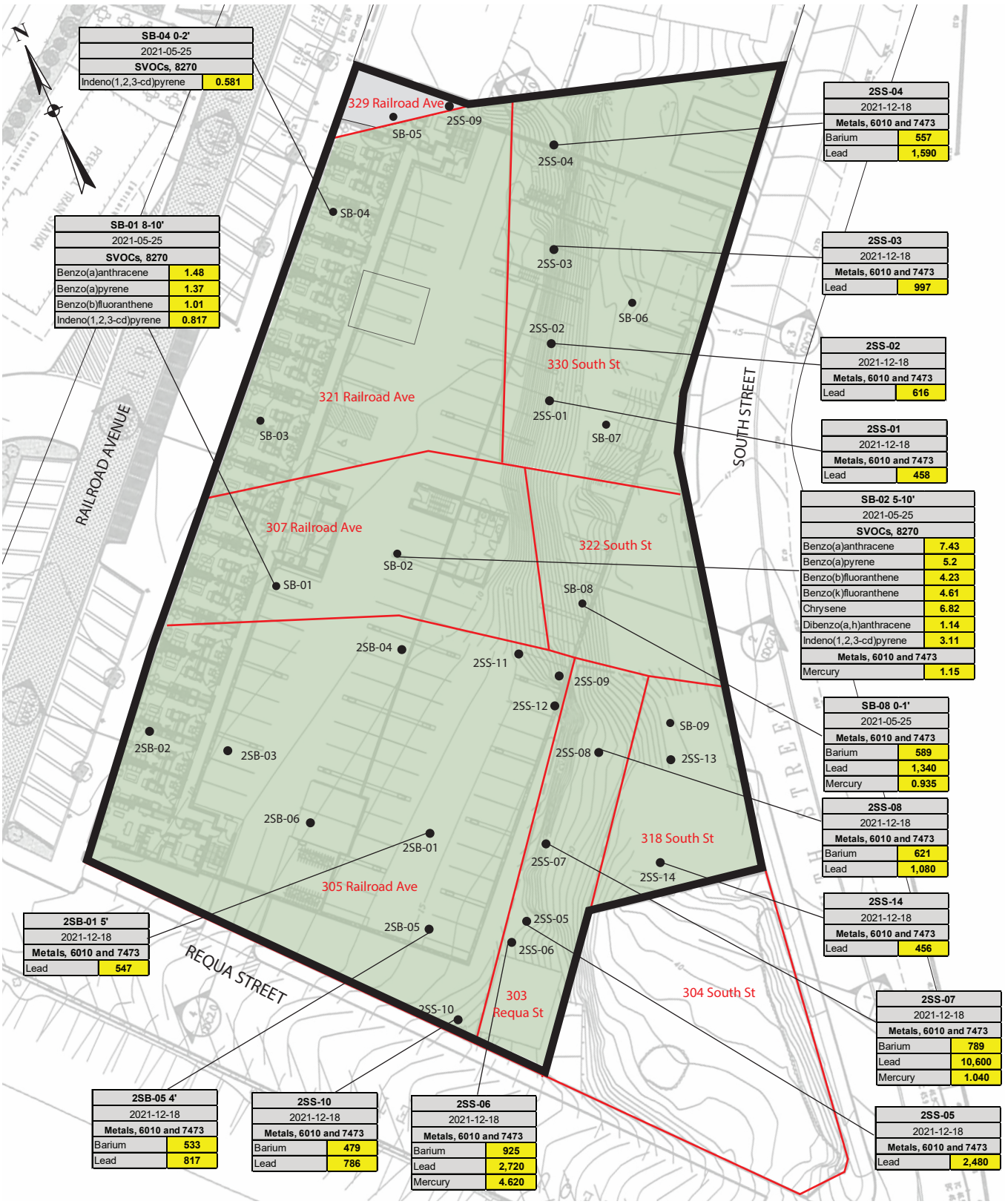
Conclusions, based on the fieldwork services and laboratory data, are as follows:

The Site was first developed as early as the late 1880s and is located in an area historically used by heavy industry. Previous subsurface investigations of the property at 321 Railroad Avenue, a former filling station, identified field evidence of petroleum contamination extending into saturated soil, and documented elevated concentrations of VOCs and PAHs in soil, and elevated levels of VOCs in groundwater; based on these findings, which indicated a petroleum release from USTs or the related distribution system, spill number #0409835 was reported to NYSDEC.

Soil investigations documented in this Report provide additional data regarding the extent of the spill area, and indicate the Site-wide presence of poor-quality fill soils, which are contaminated by PAHs and metals above RRU SCOs (including lead at over 10,000 ppm), and VOCs above POG SCOs. Fill soils are also impacted by pesticides above UU SCOs and contain debris materials.

These findings support the conclusion that active soil remediation and removal actions are likely to be required prior to any Site development activities.

APPENDIX A: Fieldwork Map



All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Fieldwork Map

318, 322, 330 South Street
307-321 and 329 Railroad Avenue
City of Peekskill
Westchester County, New York

Legend:

- subject property border
- tax lot lines
- Eligible for BCP assuming proposed residential use
- sample location

All data in mg/Kg (ppm)
Analyte Above RRU SCO

File: 21003-0067

March 2022

Not to scale

Appendix A

APPENDIX B: Boring Logs

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

SB-01 (SHEET 1 OF 5)	**Subsurface Investigation** **318, 322, 330 South Street; 307-321 and 329 Railroad Avenue** **City of Peekskill, Westchester County, New York**	*GBTS PROJECT 21003-0067*
	DATE: 2021-05-25 DRILLER (RIG) Core Down (7822DT Geoprobe, 5' macro-core) GBTS STAFF: E. Salazar WEATHER: sunny, 60s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6") **SOIL / MATERIAL DESCRIPTION**	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (50%)	Brown-gray F-M SANDY LOAM, then layer of crushed stone at center of interval, then dark brown F SILT LOAM with coal fragments and ash (fill)	Dry to moist	6.2	ND	ND	ND	**0-5**
5 – 10' (80%)	Dark brown F SILT LOAM with coal fragments and ash, then greenish-brown F-M LOAMY SAND, then F SAND with coal fragments (fill)	Moist	1.0	ND	ND	ND	**8-10**
10 – 15' (75%)	Greenish-grayish F-M SILT LOAM, then gray SILT ****** End of Boring at 15' *****	Wet	1.9	ND	ND	ND	**13-15**

Notes

Fill Materials
~2-10'
Field Evidence of Contamination
PID 6.2 ppm at bottom half of 0-5' interval
Saturated Soils
~10-15'

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **Sl** (slight)

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

SB-02 (SHEET 2 OF 5)	**Subsurface Investigation** **318, 322, 330 South Street; 307-321 and 329 Railroad Avenue** **City of Peekskill, Westchester County, New York**	*GBTS PROJECT 21003-0067*
	DATE: 2021-05-25 DRILLER (RIG) Core Down (7822DT Geoprobe, 5' macro-core) GBTS STAFF: E. Salazar WEATHER: sunny, 60s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6") **SOIL / MATERIAL DESCRIPTION**	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (45%)	Brown F SANDY LOAM with ash, coal and brick fragments (fill)	Dry to moist	0.9	ND	ND	ND	**0-5**
5 – 10' (50%)	Brownish-grayish M-C SANDY LOAM with ash, coal and brick fragments (fill)	Moist to wet	31.2	faint	ND	ND	**5-10**
10 – 13' (60%)	Brown M-C SANDY LOAM, then brownish-grayish SILT LOAM ****** End of Boring (Refusal) at 13' *****	Wet	0.1	ND	ND	ND	

Notes

Fill Materials
~0-10
Field Evidence of Contamination
Faint odor, PID 31.2 ppm at ~5 – 10'
Saturated Soils
~10-13'
Additional Field Notes
Refusal (likely bedrock) at ~13'

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **Sl** (slight)

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

SB-03 (SHEET 3 OF 5)	Subsurface Investigation 318, 322, 330 South Street; 307-321 and 329 Railroad Avenue City of Peekskill, Westchester County, New York	GBTS PROJECT 21003-0067
	DATE: 2021-05-25 DRILLER (RIG) Core Down (7822DT Geoprobe, 5' macro-core) GBTS STAFF: E. Salazar WEATHER: sunny, 60s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (25%)	Brownish-grayish F SILT LOAM, then crushed stone at bottom of recovered material	Dry to moist	5.4	ND	ND	ND	
5 – 10' (85%)	Dark brownish-black M-C SAND, then grey to black M SANDY LOAM with coal fragments (fill)	Moist to wet	3,625	strong	yes	yes	**5-7**
10 – 15' (75%)	Coal fragments (fill), then layer of gray SILTY CLAY, then gray SILTY CLAY LOAM ****** End of Boring at 15' *****	Wet	7.8	ND	ND	ND	**10-12**

Notes

Fill Materials

~5-11'

Field Evidence of Contamination

Staining, strong petroleum odor, sheen noted on soil surface, PID 3,625 ppm at ~6-7'

Saturated Soils

~8-15'

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **SI** (slight)

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

SB-04 (SHEET 4 OF 5)	Subsurface Investigation 318, 322, 330 South Street; 307-321 and 329 Railroad Avenue City of Peekskill, Westchester County, New York	GBTS PROJECT 21003-0067
	DATE: 2021-05-25 DRILLER (RIG) Core Down (7822DT Geoprobe, 5' macro-core) GBTS STAFF: E. Salazar WEATHER: sunny, 60s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (80%)	Grayish-brownish M SANDY LOAM with coal fragments	Dry To moist	1.5	ND	ND	ND	**0-2**
5 – 10' (75%)	Grayish-brownish M-C SANDY LOAM with coal fragments in top ~2' of recovered material, then layer of coal fragments (fill)	Wet	0.0	ND	ND	ND	
10 – 15' (75%)	Grayish-brownish M-C SANDY LOAM with coal fragments in top ~1' of recovered material (fill), then gray SILT LOAM ****** End of Boring at 15' *****	Wet	0.1	ND	ND	ND	

Notes

Fill Materials
~0 - 11'
Field Evidence of Contamination
Not encountered
Saturated Soils
~7-15

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **Sl** (slight)

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

SB-05 (SHEET 5 OF 5)	**Subsurface Investigation** **318, 322, 330 South Street; 307-321 and 329 Railroad Avenue** **City of Peekskill, Westchester County, New York**	*GBTS PROJECT 21003-0067*
	DATE: 2021-05-25 DRILLER (RIG) Core Down (7822DT Geoprobe, 5' macro-core) GBTS STAFF: E. Salazar WEATHER: sunny, 60s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6") **SOIL / MATERIAL DESCRIPTION**	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (50%)	Light brown to brown F SANDY LOAM with coal fragments (fill)	Dry to moist	0.2	ND	ND	ND	**0-5**
5 – 10' (75%)	Brown F SANDY LOAM, then variable colored (brown, black, gray) M-C LOAMY SAND	Wet	0.0	ND	ND	ND	**7-9**
10 – 15' (50%)	Brown M-C LOAMY SAND then grayish F-M SANDY LOAM ****** End of Boring at 15' *****	Wet	0.0	ND	ND	ND	

Notes

Fill Materials
~0 - 5'
Field Evidence of Contamination
Not encountered
Saturated Soils
~7-15

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **Sl** (slight)

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

SB-06 (SHEET 6 OF 9)	**Subsurface Investigation** **318, 322, 330 South Street; 307-321 and 329 Railroad Avenue** **City of Peekskill, Westchester County, New York**	*GBTS PROJECT 21003-0067*
	DATE: 2021-05-25 DRILLER (RIG) Core Down (Manual Geoprobe, 4' macro-core) GBTS STAFF: E. Salazar WEATHER: sunny, 60s F	

BORING INTERVAL	SURFACE MATERIAL: SOIL **SOIL / MATERIAL DESCRIPTION**	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 1'	Brown F-M SAND with concrete, brick, and glass fragments (fill) ****** End of Boring at 1' *****	Dry	0.0	ND	ND	ND	**0-1**

Notes

Fill Materials
~0 - 1'

Field Evidence of Contamination
Not encountered

Saturated Soils
Not encountered

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **Sl** (slight)

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

SB-07 (SHEET 7 OF 9)	**Subsurface Investigation** **318, 322, 330 South Street; 307-321 and 329 Railroad Avenue** **City of Peekskill, Westchester County, New York**	*GBTS PROJECT 21003-0067*
	DATE: 2021-05-25 DRILLER (RIG) Core Down (Manual Geoprobe, 4' macro-core) GBTS STAFF: E. Salazar WEATHER: sunny, 60s F	

BORING INTERVAL	SURFACE MATERIAL: SOIL **SOIL / MATERIAL DESCRIPTION**	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 1'	Brown F-M SAND with concrete, brick, and glass fragments (fill) ****** End of Boring at 1' *****	Dry	0.0	ND	ND	ND	**0-1**

Notes

Fill Materials
~0 - 1'

Field Evidence of Contamination
Not encountered

Saturated Soils
Not encountered

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **Sl** (slight)

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

SB-08 (SHEET 8 OF 9)	Subsurface Investigation 318, 322, 330 South Street; 307-321 and 329 Railroad Avenue City of Peekskill, Westchester County, New York	GBTS PROJECT 21003-0067
	DATE: 2021-05-25 DRILLER (RIG) Core Down (Manual Geoprobe, 4' macro-core) GBTS STAFF: E. Salazar WEATHER: sunny, 60s F	

BORING INTERVAL	SURFACE MATERIAL: SOIL SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 1'	Brown F-M SAND with concrete, brick, and glass fragments (fill) ****** End of Boring at 1' *****	Dry	0.0	ND	ND	ND	**0-1**

Notes

Fill Materials
~0 - 1'

Field Evidence of Contamination
Not encountered

Saturated Soils
Not encountered

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **Sl** (slight)

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

SB-09 (SHEET 9 OF 9)	**Subsurface Investigation** **318, 322, 330 South Street; 307-321 and 329 Railroad Avenue** **City of Peekskill, Westchester County, New York**	*GBTS PROJECT 21003-0067*
	DATE: 2021-05-25 DRILLER (RIG) Core Down (Manual Geoprobe, 4' macro-core) GBTS STAFF: E. Salazar WEATHER: sunny, 60s F	

BORING INTERVAL	SURFACE MATERIAL: SOIL **SOIL / MATERIAL DESCRIPTION**	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 1'	Brown F-M SAND with concrete, brick, and glass fragments (fill) ****** End of Boring at 1' *****	Dry	0.0	ND	ND	ND	**0-1**

Notes

Fill Materials
~0 - 1'

Field Evidence of Contamination
Not encountered

Saturated Soils
Not encountered

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **Sl** (slight)

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

2SB-01 (SHEET 1 OF 17)	**Subsurface Investigation** **318, 322, 330 South Street; 307-321 and 329 Railroad Avenue** **City of Peekskill, Westchester County, New York**	*GBTS PROJECT 21003-0067*
	DATE: 2021-12-18 DRILLER (RIG): Core Down (7822DT Geoprobe, 5' macro-core) GBTS STAFF: R. Hooker WEATHER: rainy, 30s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6") **SOIL / MATERIAL DESCRIPTION**	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5'	Brown SANDY LOAM with ash, slag, brick and concrete fragments (fill) in upper ~3', then native brown SANDY LOAM	Dry	0.0	ND	ND	ND	**(5')**
5 – 6'	Native brown SANDY LOAM ****** End of Boring (Refusal) at 6' *****	Dry	0.0	ND	ND	ND	

Notes

Fill Materials
Urban fill (ash, slag, brick, concrete) in upper ~3' of material recovered at 0-5' interval

Field Evidence of Contamination
Not encountered

Saturated Soils
Not encountered

Additional Field Notes
Refusal (likely bedrock) at ~6'

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **Sl** (slight)

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

2SB-02 (SHEET 2 OF 17)	**Subsurface Investigation** **318, 322, 330 South Street; 307-321 and 329 Railroad Avenue** **City of Peekskill, Westchester County, New York**	*GBTS PROJECT 21003-0067*
	DATE: 2021-12-18 DRILLER (RIG): Core Down (7822DT Geoprobe, 5' macro-core) GBTS STAFF: R. Hooker WEATHER: rainy, 30s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6") **SOIL / MATERIAL DESCRIPTION**	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5'	Brown SANDY LOAM with ash, slag, brick and concrete fragments (fill)	Dry	0.0	ND	ND	ND	**(2')**
5 – 8'	Brown SANDY LOAM with ash, slag, brick and concrete fragments (fill) ****** End of Boring at 8' *****	Dry	0.0	ND	ND	ND	**(7')**

Notes

Fill Materials
Urban fill (ash, slag, brick, concrete) from ~0-8'

Field Evidence of Contamination
Not encountered

Saturated Soils
Not encountered

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **Sl** (slight)

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

2SB-03 (SHEET 3 OF 17)	**Subsurface Investigation** **318, 322, 330 South Street; 307-321 and 329 Railroad Avenue** **City of Peekskill, Westchester County, New York**	*GBTS PROJECT 21003-0067*
	DATE: 2021-12-18 DRILLER (RIG): Core Down (7822DT Geoprobe, 5' macro-core) GBTS STAFF: R. Hooker WEATHER: rainy, 30s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6") **SOIL / MATERIAL DESCRIPTION**	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5'	Brown SANDY LOAM with ash, slag, brick and concrete fragments (fill)	Dry	0.0	ND	ND	ND	**(3')** **(5')**
5 – 6'	Brown SANDY LOAM with ash, slag, brick and concrete fragments (fill) ****** End of Boring at 6' *****	Dry	0.0	ND	ND	ND	

Notes

Fill Materials
Urban fill (ash, slag, brick, concrete) from ~0-6'

Field Evidence of Contamination
Not encountered

Saturated Soils
Not encountered

Additional Field Notes
Refusal (likely bedrock) at ~6'

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **SI** (slight)

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

2SB-04 (SHEET 4 OF 17)	**Subsurface Investigation** **318, 322, 330 South Street; 307-321 and 329 Railroad Avenue** **City of Peekskill, Westchester County, New York**	*GBTS PROJECT 21003-0067*
	DATE: 2021-12-18 DRILLER (RIG): Core Down (7822DT Geoprobe, 5' macro-core) GBTS STAFF: R. Hooker WEATHER: rainy, 30s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6") **SOIL / MATERIAL DESCRIPTION**	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5'	Brown SANDY LOAM with ash, slag, brick and concrete fragments (fill) in upper ~3', then native brown SANDY LOAM	Dry	0.0	ND	ND	ND	**(3')**
5 – 8'	Native brown SANDY LOAM ****** End of Boring (Refusal) at 8' *****	Dry	0.0	ND	ND	ND	

Notes

Fill Materials
Urban fill (ash, slag, brick, concrete) in upper ~3' of material recovered at 0-5' interval

Field Evidence of Contamination
Not encountered

Saturated Soils
Not encountered

Additional Field Notes
Refusal (likely bedrock) at ~8'

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **Sl** (slight)

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

2SB-05 (SHEET 5 OF 17)	**Subsurface Investigation** **318, 322, 330 South Street; 307-321 and 329 Railroad Avenue** **City of Peekskill, Westchester County, New York**	*GBTS PROJECT 21003-0067*
	DATE: 2021-12-18 DRILLER (RIG): Core Down (7822DT Geoprobe, 5' macro-core) GBTS STAFF: R. Hooker WEATHER: rainy, 30s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6") **SOIL / MATERIAL DESCRIPTION**	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5'	Brown SANDY LOAM with ash, slag, brick and concrete fragments (fill) in upper ~3', then native brown SANDY LOAM	Dry	0.0	ND	ND	ND	**(4')**
5 – 6'	Native brown SANDY LOAM ****** End of Boring (Refusal) at 6' *****	Dry	0.0	ND	ND	ND	

Notes

Fill Materials
Urban fill (ash, slag, brick, concrete) in upper ~3' of material recovered at 0-5' interval

Field Evidence of Contamination
Not encountered

Saturated Soils
Not encountered

Additional Field Notes
Refusal (likely bedrock) at ~6'

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **Sl** (slight)

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

2SB-06 (SHEET 6 OF 17)	**Subsurface Investigation** **318, 322, 330 South Street; 307-321 and 329 Railroad Avenue** **City of Peekskill, Westchester County, New York**	*GBTS PROJECT 21003-0067*
	DATE: 2021-12-18 DRILLER (RIG): Core Down (7822DT Geoprobe, 5' macro-core) GBTS STAFF: R. Hooker WEATHER: rainy, 30s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6") **SOIL / MATERIAL DESCRIPTION**	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5'	Brown SANDY LOAM with ash, slag, brick and concrete fragments (fill)	Dry	0.0	ND	ND	ND	**(4')**
5 – 6'	Brown SANDY LOAM with ash, slag, brick and concrete fragments (fill) ****** End of Boring (Refusal) at 6' *****	Dry	0.0	ND	ND	ND	

Notes

Fill Materials
Urban fill (ash, slag, brick, concrete) from ~0-6'

Field Evidence of Contamination
Not encountered

Saturated Soils
Not encountered

Additional Field Notes
Refusal (likely bedrock) at ~6'

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **Sl** (slight)

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

2SS-01 (SHEET 7 OF 17)	**Subsurface Investigation** **318, 322, 330 South Street; 307-321 and 329 Railroad Avenue** **City of Peekskill, Westchester County, New York**	*GBTS PROJECT 21003-0067*
	DATE: 2021-12-18 INSTRUMENT: Disposable trowel GBTS STAFF: R. Hooker WEATHER: rainy, 30s F	

INTERVAL	SURFACE MATERIAL: SOIL **SOIL / MATERIAL DESCRIPTION**	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4”	Dark brown F SANDY LOAM and fragments of debris (potential fill)	Dry	0.0	ND	ND	ND	**2SS-01**

Notes

Fill Materials
Debris fragments in soil suggest potential fill

Field Evidence of Contamination
Not encountered

Saturated Soils
Not encountered

Additional Field Notes
Surface debris including electronic waste, household trash, fabric, glass and metal fragments

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **Sl** (slight)

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

2SS-02 (SHEET 8 OF 17)	**Subsurface Investigation** **318, 322, 330 South Street; 307-321 and 329 Railroad Avenue** **City of Peekskill, Westchester County, New York**	*GBTS PROJECT 21003-0067*
	DATE: 2021-12-18 INSTRUMENT: Disposable trowel GBTS STAFF: R. Hooker WEATHER: rainy, 30s F	

INTERVAL	SURFACE MATERIAL: SOIL **SOIL / MATERIAL DESCRIPTION**	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4”	Dark brown F SANDY LOAM and fragments of debris (potential fill)	Dry	0.0	ND	ND	ND	**2SS-02**

Notes

Fill Materials
Debris fragments in soil suggest potential fill
Field Evidence of Contamination
Not encountered
Saturated Soils
Not encountered
Additional Field Notes
Surface debris including electronic waste, household trash, fabric, glass and metal fragments

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **Sl** (slight)

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

2SS-03 (SHEET 9 OF 17)	**Subsurface Investigation** **318, 322, 330 South Street; 307-321 and 329 Railroad Avenue** **City of Peekskill, Westchester County, New York**	*GBTS PROJECT 21003-0067*
	DATE: 2021-12-18 INSTRUMENT: Disposable trowel GBTS STAFF: R. Hooker WEATHER: rainy, 30s F	

INTERVAL	SURFACE MATERIAL: SOIL **SOIL / MATERIAL DESCRIPTION**	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4”	Dark brown F SANDY LOAM and fragments of debris (potential fill)	Dry	0.0	ND	ND	ND	**2SS-03**

Notes

Fill Materials
Debris fragments in soil suggest potential fill

Field Evidence of Contamination
Not encountered

Saturated Soils
Not encountered

Additional Field Notes
Surface debris including electronic waste, household trash, fabric, glass and metal fragments

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **Sl** (slight)

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

2SS-04 (SHEET 10 OF 17)	**Subsurface Investigation** **318, 322, 330 South Street; 307-321 and 329 Railroad Avenue** **City of Peekskill, Westchester County, New York**	*GBTS PROJECT 21003-0067*
	DATE: 2021-12-18 INSTRUMENT: Disposable trowel GBTS STAFF: R. Hooker WEATHER: rainy, 30s F	

INTERVAL	SURFACE MATERIAL: SOIL **SOIL / MATERIAL DESCRIPTION**	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4”	Dark brown F SANDY LOAM and fragments of debris (potential fill)	Dry	0.0	ND	ND	ND	**2SS-04**

Notes

Fill Materials
Debris fragments in soil suggest potential fill

Field Evidence of Contamination
Not encountered

Saturated Soils
Not encountered

Additional Field Notes
Surface debris including electronic waste, household trash, fabric, glass and metal fragments

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **Sl** (slight)

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

2SS-05 (SHEET 11 OF 17)	**Subsurface Investigation** **318, 322, 330 South Street; 307-321 and 329 Railroad Avenue** **City of Peekskill, Westchester County, New York**	*GBTS PROJECT 21003-0067*
	DATE: 2021-12-18 INSTRUMENT: Disposable trowel GBTS STAFF: R. Hooker WEATHER: rainy, 30s F	

INTERVAL	SURFACE MATERIAL: SOIL **SOIL / MATERIAL DESCRIPTION**	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4”	Dark brown F SANDY LOAM and fragments of debris (potential fill)	Dry	0.0	ND	ND	ND	**2SS-05**

Notes

Fill Materials
Debris fragments in soil suggest potential fill

Field Evidence of Contamination
Not encountered

Saturated Soils
Not encountered

Additional Field Notes
Surface debris including electronic waste, household trash, fabric, glass and metal fragments

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **Sl** (slight)

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

2SS-06 (SHEET 12 OF 17)	**Subsurface Investigation** **318, 322, 330 South Street; 307-321 and 329 Railroad Avenue** **City of Peekskill, Westchester County, New York**	*GBTS PROJECT 21003-0067*
	DATE: 2021-12-18 INSTRUMENT: Disposable trowel GBTS STAFF: R. Hooker WEATHER: rainy, 30s F	

INTERVAL	SURFACE MATERIAL: SOIL **SOIL / MATERIAL DESCRIPTION**	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4”	Dark brown F SANDY LOAM and fragments of debris (potential fill)	Dry	0.0	ND	ND	ND	**2SS-06**

Notes

Fill Materials
Debris fragments in soil suggest potential fill
Field Evidence of Contamination
Not encountered
Saturated Soils
Not encountered
Additional Field Notes
Surface debris including household trash

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **Sl** (slight)

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

2SS-07 (SHEET 13 OF 17)	**Subsurface Investigation** **318, 322, 330 South Street; 307-321 and 329 Railroad Avenue** **City of Peekskill, Westchester County, New York**	*GBTS PROJECT 21003-0067*
	DATE: 2021-12-18 INSTRUMENT: Disposable trowel GBTS STAFF: R. Hooker WEATHER: rainy, 30s F	

INTERVAL	SURFACE MATERIAL: SOIL **SOIL / MATERIAL DESCRIPTION**	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4”	Dark brown F SANDY LOAM and fragments of debris (potential fill)	Dry	0.0	ND	ND	ND	**2SS-07**

Notes

Fill Materials
Debris fragments in soil suggest potential fill

Field Evidence of Contamination
Not encountered

Saturated Soils
Not encountered

Additional Field Notes
Surface debris including electronic waste, household trash, fabric, glass and metal fragments

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **Sl** (slight)

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

2SS-08 (SHEET 14 OF 17)	**Subsurface Investigation** **318, 322, 330 South Street; 307-321 and 329 Railroad Avenue** **City of Peekskill, Westchester County, New York**	*GBTS PROJECT 21003-0067*
	DATE: 2021-12-18 INSTRUMENT: Disposable trowel GBTS STAFF: R. Hooker WEATHER: rainy, 30s F	

INTERVAL	SURFACE MATERIAL: SOIL **SOIL / MATERIAL DESCRIPTION**	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4”	Dark brown F SANDY LOAM and fragments of debris (potential fill)	Dry	0.0	ND	ND	ND	**2SS-08**

Notes

Fill Materials
Debris fragments in soil suggest potential fill

Field Evidence of Contamination
Not encountered

Saturated Soils
Not encountered

Additional Field Notes
Surface debris including electronic waste, household trash, fabric, glass and metal fragments

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **Sl** (slight)

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

2SS-09 (SHEET 15 OF 17)	**Subsurface Investigation** **318, 322, 330 South Street; 307-321 and 329 Railroad Avenue** **City of Peekskill, Westchester County, New York**	*GBTS PROJECT 21003-0067*
	DATE: 2021-12-18 INSTRUMENT: Disposable trowel GBTS STAFF: R. Hooker WEATHER: rainy, 30s F	

INTERVAL	SURFACE MATERIAL: SOIL **SOIL / MATERIAL DESCRIPTION**	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4”	Dark brown F SANDY LOAM and fragments of debris (potential fill)	Dry	0.0	ND	ND	ND	**2SS-09**

Notes

Fill Materials
Debris fragments in soil suggest potential fill

Field Evidence of Contamination
Not encountered

Saturated Soils
Not encountered

Additional Field Notes
Surface debris including electronic waste, household trash, fabric, glass and metal fragments

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **Sl** (slight)

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

2SS-10 (SHEET 16 OF 17)	Subsurface Investigation 318, 322, 330 South Street; 307-321 and 329 Railroad Avenue City of Peekskill, Westchester County, New York	GBTS PROJECT 21003-0067
	DATE: 2021-12-18 INSTRUMENT: Disposable trowel GBTS STAFF: R. Hooker WEATHER: rainy, 30s F	

INTERVAL	SURFACE MATERIAL: SOIL SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4”	Dark brown F SANDY LOAM and fragments of debris (potential fill)	Dry	0.0	ND	ND	ND	**2SS-10**

Notes

Fill Materials
Debris fragments in soil suggest potential fill
Field Evidence of Contamination
Not encountered
Saturated Soils
Not encountered
Additional Field Notes
Surface debris including household trash

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **Sl** (slight)

Soil Sampling Log

GALLAGHER BASSETT | TECHNICAL SERVICES

2SS-11 (SHEET 7 OF 17)	**Subsurface Investigation** **318, 322, 330 South Street; 307-321 and 329 Railroad Avenue** **City of Peekskill, Westchester County, New York**	*GBTS PROJECT 21003-0067*
	DATE: 2021-12-18 INSTRUMENT: Disposable trowel GBTS STAFF: R. Hooker WEATHER: rainy, 30s F	

INTERVAL	SURFACE MATERIAL: SOIL **SOIL / MATERIAL DESCRIPTION**	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4”	Dark brown F SANDY LOAM and fragments of debris (potential fill)	Dry	0.0	ND	ND	ND	**2SS-11**

Notes

Fill Materials
Debris fragments in soil suggest potential fill

Field Evidence of Contamination
Not encountered

Saturated Soils
Not encountered

Additional Field Notes
Surface debris including electronic waste, household trash, fabric, glass and metal fragments

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic) **Sl** (slight)

APPENDIX C: Data Summary Tables

Table 1a: VOCs in Soils - 2021

NYSDEC Spill No. 0409835

GBTS File: 21003-0067

GALLAGHER BASSETT | TECHNICAL SERVICES

		Sample ID	SB-03 (6)	
U= Not Detected ≥ value		Date	2021-05-25	
All data in mg/Kg (ppm)		Dilution Factor	500	
VOCs, 8260	**UU SCO**	**RRU SCO**	*Result*	*Flag*
1,1,1,2-Tetrachloroethane	NA	NA	1.9	*U*
1,1,1-Trichloroethane	0.68	100	1.9	*U*
1,1,2,2-Tetrachloroethane	NA	NA	1.9	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	1.9	*U*
1,1,2-Trichloroethane	NA	NA	1.9	*U*
1,1-Dichloroethane	0.27	26	1.9	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	100	1.9	*U*
1,2,3-Trichlorobenzene	NA	NA	1.9	*U*
1,2,3-Trichloropropane	NA	NA	1.9	*U*
1,2,4-Trichlorobenzene	NA	NA	1.9	*U*
1,2,4-Trimethylbenzene	3.6	52	3.7	*JD*
1,2-Dibromo-3-chloropropane	NA	NA	1.9	*U*
1,2-Dibromoethane	NA	NA	1.9	*U*
1,2-Dichlorobenzene	1.1	100	1.9	*U*
1,2-Dichloroethane	0.02	3.1	1.9	*U*
1,2-Dichloropropane	NA	NA	1.9	*U*
1,3,5-Trimethylbenzene	8.4	52	1.9	*U*
1,3-Dichlorobenzene	2.4	49	1.9	*U*
1,4-Dichlorobenzene	1.8	13	1.9	*U*
1,4-Dioxane	0.1	13	39	*U*
2-Butanone (MEK)	0.12	100	1.9	*U*
2-Hexanone	NA	NA	1.9	*U*
4-Methyl-2-pentanone	NA	NA	1.9	*U*
Acetone	0.05	100	3.9	*U*
Acrolein	NA	NA	3.9	*U*
Acrylonitrile	NA	NA	1.9	*U*
Benzene	0.06	4.8	1.9	*U*
Bromochloromethane	NA	NA	1.9	*U*
Bromodichloromethane	NA	NA	1.9	*U*
Bromoform	NA	NA	1.9	*U*
Bromomethane	NA	NA	1.9	*U*
Carbon disulfide	NA	NA	1.9	*U*
Carbon tetrachloride	0.76	2.4	1.9	*U*
Chlorobenzene	1.1	100	1.9	*U*
Chloroethane	NA	NA	1.9	*U*
Chloroform	0.37	49	1.9	*U*
Chloromethane	NA	NA	1.9	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	1.9	*U*
cis-1,3-Dichloropropylene	NA	NA	1.9	*U*
Cyclohexane	NA	NA	28	*D*
Dibromochloromethane	NA	NA	1.9	*U*
Dibromomethane	NA	NA	1.9	*U*
Dichlorodifluoromethane	NA	NA	1.9	*U*
Ethyl Benzene	1	41	3.6	*JD*
Hexachlorobutadiene	NA	NA	1.9	*U*
Isopropylbenzene	2.3	100	1.9	*U*
Methyl acetate	NA	NA	1.9	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	1.9	*U*
Methylcyclohexane	NA	NA	61	*D*
Methylene chloride	0.05	100	3.9	*U*
n-Butylbenzene	12	100	26	*D*
n-Propylbenzene	3.9	100	1.9	*U*
o-Xylene	0.26	100	1.9	*U*
p- & m- Xylenes	0.26	100	3.9	*U*
p-Isopropyltoluene	10	NA	1.9	*U*
sec-Butylbenzene	11	100	1.9	*U*
Styrene	NA	NA	1.9	*U*
tert-Butyl alcohol (TBA)	NA	NA	1.9	*U*
tert-Butylbenzene	5.9	100	1.9	*U*
Tetrachloroethylene (PCE)	1.3	19	1.9	*U*
Toluene	0.7	100	1.9	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	1.9	*U*
trans-1,3-Dichloropropylene	NA	NA	1.9	*U*
Trichloroethylene (TCE)	0.47	21	1.9	*U*
Trichlorofluoromethane	NA	NA	1.9	*U*
Vinyl chloride (VC)	0.02	0.9	1.9	*U*
Xylenes, Total	0.26	100	5.8	*U*

Analyte Detected

Analyte Above UU SCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available

Result Flags: J = approximate E = estimated B = detected in blank D = diluted

Table 1b: VOCs in Soils - 2004/2005
NYSDEC Spill No. 0409835
GBTS File: 21003-0067

GALLAGHER BASSETT | TECHNICAL SERVICES

	Sample ID	GP-1 (4'-8')	GP-1 (8'-12')	GP-3 (8'-12')	GP-4 (4'-8')	GP-5 (4'-8')
All data in mg/Kg (ppm)	Date	2004-11-20	2004-11-20	2004-11-20	2004-11-20	2004-11-20
VOCs, 8260	**UU SCO**	*Result*	*Result*	*Result*	*Result*	*Result*
1,2,4-Trimethylbenzene	3.6	0.59	ND	0.13	ND	0.16
1,3,5-Trimethylbenzene	8.4	ND	ND	0.078	ND	ND
Benzene	0.06	0.14	ND	ND	ND	ND
Ethyl Benzene	1	0.57	ND	0.039	ND	ND
Isopropylbenzene	2.3	0.46	ND	0.054	ND	ND
Methyl tert-butyl ether (MTBE)	0.93	ND	ND	ND	ND	ND
n-Butylbenzene	12	1.8	ND	0.24	ND	0.12
n-Propylbenzene	3.9	2.6	ND	0.12	ND	0.035
Naphthalene	12	4.6	ND	0.11	ND	ND
o-Xylene	0.26	0.3	ND	ND	ND	ND
p- & m- Xylenes	0.26	1.3	ND	0.034	ND	ND
Xylenes, Total	0.26	1.6	ND	0.034	ND	ND
p-Isopropyltoluene	10	ND	ND	0.032	0.025	ND
sec-Butylbenzene	11	0.61	ND	0.096	0.025	0.043
tert-Butylbenzene	5.9	ND	ND	ND	ND	ND
Toluene	0.7	0.38	ND	0.035	ND	ND

	Sample ID	GP-5 (8'-12')	GP-6 (8'-12')	GP-7 (4'-8')	GP-7 (8'-12')	GP-7 (0'-4')
All data in mg/Kg (ppm)	Date	2004-11-20	2004-11-20	2004-11-20	2004-11-20	2004-11-20
VOCs, 8260	**UU SCO**	*Result*	*Result*	*Result*	*Result*	*Result*
1,2,4-Trimethylbenzene	3.6	ND	ND	9.1	0.012	0.52
1,3,5-Trimethylbenzene	8.4	ND	ND	2.2	0.01	0.098
Benzene	0.06	ND	ND	ND	ND	ND
Ethyl Benzene	1	ND	ND	1.1	ND	ND
Isopropylbenzene	2.3	ND	ND	0.42	ND	ND
Methyl tert-butyl ether (MTBE)	0.93	ND	ND	ND	ND	ND
n-Butylbenzene	12	ND	ND	ND	0.006	0.28
n-Propylbenzene	3.9	ND	ND	1.4	ND	0.016
Naphthalene	12	10	ND	2	0.015	0.81
o-Xylene	0.26	ND	ND	0.35	0.008	ND
p- & m- Xylenes	0.26	ND	ND	0.95	0.013	0.019
Xylenes, Total	0.26	ND	ND	1.3	0.021	0.019
p-Isopropyltoluene	10	ND	ND	0.14	ND	0.021
sec-Butylbenzene	11	ND	ND	0.18	ND	0.033
tert-Butylbenzene	5.9	ND	ND	ND	ND	ND
Toluene	0.7	ND	ND	ND	ND	ND

Analyte Detected
Analyte Above UU SCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 ND = not detected

Table 1b: VOCs in Soils - 2004/2005

NYSDEC Spill No. 0409835
GBTS File: 21003-0067

GALLAGHER BASSETT | TECHNICAL SERVICES

	Sample ID	GP-8 (4'-8')	GP-8 (8'-12')	GP-9 (4'-8')	GP-10 (4'-8')	GP-11 (4'-8')
All data in mg/Kg (ppm)	Date	2004-11-20	2004-11-20	2005-01-15	2005-01-15	2005-01-15
VOCs, 8260	**UU SCO**	*Result*	*Result*	*Result*	*Result*	*Result*
1,2,4-Trimethylbenzene	3.6	0.039	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	0.011	ND	ND	ND	ND
Benzene	0.06	ND	ND	ND	ND	ND
Ethyl Benzene	1	ND	ND	ND	ND	ND
Isopropylbenzene	2.3	0.013	ND	ND	ND	ND
Methyl tert-butyl ether (MTBE)	0.93	ND	ND	ND	ND	ND
n-Butylbenzene	12	0.14	ND	ND	ND	ND
n-Propylbenzene	3.9	0.1	ND	ND	ND	ND
Naphthalene	12	0.068	ND	ND	ND	ND
o-Xylene	0.26	0.01	ND	ND	ND	ND
p- & m- Xylenes	0.26	0.033	ND	ND	ND	ND
Xylenes, Total	0.26	0.043	ND	ND	ND	ND
p-Isopropyltoluene	10	ND	ND	ND	ND	ND
sec-Butylbenzene	11	0.049	ND	ND	ND	ND
tert-Butylbenzene	5.9	ND	ND	ND	ND	ND
Toluene	0.7	0.011	ND	ND	ND	ND

	Sample ID	GP-12 (4'-8')	GP-13 (4'-8')
All data in mg/Kg (ppm)	Date	2005-01-15	2005-01-15
VOCs, 8260	**UU SCO**	*Result*	*Result*
1,2,4-Trimethylbenzene	3.6	ND	0.38
1,3,5-Trimethylbenzene	8.4	ND	0.35
Benzene	0.06	ND	ND
Ethyl Benzene	1	ND	ND
Isopropylbenzene	2.3	ND	0.55
Methyl tert-butyl ether (MTBE)	0.93	ND	ND
n-Butylbenzene	12	ND	2.4
n-Propylbenzene	3.9	ND	2.1
Naphthalene	12	0.091	1.4
o-Xylene	0.26	ND	ND
p- & m- Xylenes	0.26	ND	ND
Xylenes, Total	0.26	ND	ND
p-Isopropyltoluene	10	ND	0.24
sec-Butylbenzene	11	0.007	0.74
tert-Butylbenzene	5.9	ND	ND
Toluene	0.7	ND	ND

Analyte Detected
Analyte Above UU SCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 ND = not detected

Table 2a: SVOCs in Soils - 2021

NYSDEC Spill No. 0409835

GBTS File: 21003-0067

GALLAGHER BASSETT | TECHNICAL SERVICES

		Sample ID	SB-01 (8-10)		SB-02 (5-10)		SB-03 (5-7)		SB-04 (0-2)		SB-05 (0-5)	
U= Not Detected ≥ value		Date	2021-05-25		2021-05-25		2021-05-25		2021-05-25		2021-05-25	
All data in mg/Kg (ppm)		Dilution Factor	5		10		2		2		2	
SVOCs, 8270	**UU SCO**	**RRU SCO**	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*
1,1'-Biphenyl	NA	NA	0.0687	*JD*	0.392	*D*	0.05	*U*	0.0462	*U*	0.0458	*U*
1,2,4,5-Tetrachlorobenzene	NA	NA	0.1	*U*	0.142	*U*	0.0998	*U*	0.0921	*U*	0.0914	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
1,2-Dichlorobenzene	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
1,2-Diphenylhydrazine (Azobenzene)	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
1,3-Dichlorobenzene	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
1,4-Dichlorobenzene	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
2,3,4,6-Tetrachlorophenol	NA	NA	0.1	*U*	0.142	*U*	0.0998	*U*	0.0921	*U*	0.0914	*U*
2,4,5-Trichlorophenol	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
2,4,6-Trichlorophenol	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
2,4-Dichlorophenol	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
2,4-Dimethylphenol	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
2,4-Dinitrophenol	NA	NA	0.1	*U*	0.142	*U*	0.0998	*U*	0.0921	*U*	0.0914	*U*
2,4-Dinitrotoluene	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
2,6-Dinitrotoluene	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
2-Chloronaphthalene	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
2-Chlorophenol	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
2-Methylnaphthalene	NA	NA	0.209	*D*	1.47	*D*	0.071	*JD*	0.0462	*U*	0.0458	*U*
2-Methylphenol	0.33	100	0.0501	*U*	0.119	*JD*	0.05	*U*	0.0462	*U*	0.0458	*U*
2-Nitroaniline	NA	NA	0.1	*U*	0.142	*U*	0.0998	*U*	0.0921	*U*	0.0914	*U*
2-Nitrophenol	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
3- & 4-Methylphenols	0.33	100	0.0639	*JD*	0.31	*D*	0.05	*U*	0.0462	*U*	0.0458	*U*
3,(3)-Dichlorobenzidine	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
3-Nitroaniline	NA	NA	0.1	*U*	0.142	*U*	0.0998	*U*	0.0921	*U*	0.0914	*U*
4,6-Dinitro-2-methylphenol	NA	NA	0.1	*U*	0.142	*U*	0.0998	*U*	0.0921	*U*	0.0914	*U*
4-Bromophenyl phenyl ether	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
4-Chloro-3-methylphenol	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
4-Chloroaniline	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
4-Chlorophenyl phenyl ether	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
4-Nitroaniline	NA	NA	0.1	*U*	0.166	*JD*	0.0998	*U*	0.0921	*U*	0.0914	*U*
4-Nitrophenol	NA	NA	0.1	*U*	0.142	*U*	0.0998	*U*	0.0921	*U*	0.0914	*U*
Acenaphthene	20	100	0.684	*D*	2.26	*D*	0.05	*U*	0.0462	*U*	0.0458	*U*
Acenaphthylene	100	100	0.0719	*JD*	0.915	*D*	0.147	*D*	0.344	*D*	0.0767	*JD*
Acetophenone	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
Aniline	NA	NA	0.2	*U*	0.285	*U*	0.2	*U*	0.185	*U*	0.183	*U*
Anthracene	100	100	1.48	*D*	5.51	*D*	0.0606	*JD*	0.164	*D*	0.0497	*JD*
Atrazine	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
Benzaldehyde	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
Benzidine	NA	NA	0.2	*U*	0.285	*U*	0.2	*U*	0.185	*U*	0.183	*U*
Benzo(a)anthracene	1	1	**1.48**	*D*	**7.43**	*D*	0.233	*D*	0.848	*D*	0.174	*D*
Benzo(a)pyrene	1	1	**1.37**	*D*	**5.2**	*D*	0.372	*D*	0.853	*D*	0.214	*D*
Benzo(b)fluoranthene	1	1	**1.01**	*D*	**4.23**	*D*	0.335	*D*	0.635	*D*	0.205	*D*
Benzo(g,h,i)perylene	100	100	0.643	*D*	2.71	*D*	0.243	*D*	0.538	*D*	0.187	*D*
Benzo(k)fluoranthene	0.8	3.9	1.15	*D*	**4.61**	*D*	0.38	*D*	0.792	*D*	0.226	*D*
Benzoic acid	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
Benzyl alcohol	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
Benzyl butyl phthalate	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
Bis(2-chloroethoxy)methane	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
Bis(2-chloroethyl)ether	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
Bis(2-chloroisopropyl)ether	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
Bis(2-ethylhexyl)phthalate	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
Caprolactam	NA	NA	0.1	*U*	0.142	*U*	0.0998	*U*	0.0921	*U*	0.0914	*U*
Carbazole	NA	NA	0.731	*D*	0.0713	*U*	0.123	*D*	0.0462	*U*	0.0458	*U*
Chrysene	1	3.9	1.63	*D*	**6.82**	*D*	0.484	*D*	0.794	*D*	0.291	*D*
Dibenzo(a,h)anthracene	0.33	0.33	0.228	*D*	**1.14**	*D*	0.05	*U*	0.196	*D*	0.049	*JD*
Dibenzofuran	7	59	0.0501	*U*	2.37	*D*	0.123	*D*	0.0462	*U*	0.0458	*U*
Diethyl phthalate	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
Dimethyl phthalate	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
Di-n-butyl phthalate	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
Di-n-octyl phthalate	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
Fluoranthene	100	100	4.7	*D*	15.7	*D*	1.18	*D*	1.12	*D*	0.46	*D*
Fluorene	30	100	0.84	*D*	3.23	*D*	0.0862	*JD*	0.0462	*U*	0.0458	*U*
Hexachlorobenzene	0.33	1.2	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
Hexachlorobutadiene	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
Hexachlorocyclopentadiene	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
Hexachloroethane	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
Indeno(1,2,3-cd)pyrene	0.5	0.5	**0.817**	*D*	**3.11**	*D*	0.283	*D*	**0.581**	*D*	0.189	*D*
Isophorone	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
Naphthalene	12	100	0.407	*D*	2.71	*D*	0.172	*D*	0.0462	*U*	0.0458	*U*
Nitrobenzene	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
N-Nitrosodimethylamine	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
N-nitroso-di-n-propylamine	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
N-Nitrosodiphenylamine	NA	NA	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
Pentachlorophenol	0.8	6.7	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
Phenanthrene	100	100	5.68	*D*	20.3	*D*	1.37	*D*	0.259	*D*	0.324	*D*
Phenol	0.33	100	0.0501	*U*	0.0713	*U*	0.05	*U*	0.0462	*U*	0.0458	*U*
Pyrene	100	100	4	*D*	13.9	*D*	0.941	*D*	1.03	*D*	0.443	*D*

Analyte Detected
Analyte Above UU SCO
Analyte Above RRU SCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Flags: J = approximate E = estimated B = detected in blank D = diluted

Table 2b: SVOCs in Soils - 2004/2005

NYSDEC Spill No. 0409835
GBTS File: 21003-0067

GALLAGHER BASSETT | TECHNICAL SERVICES

		Sample ID	GP-1 (4'-8')	GP-1 (8'-12')	GP-5 (4'-8')	GP-5 (8'-12')	GP-7 (4'-8')
All data in mg/Kg (ppm)		Date	2004-11-20	2004-11-20	2004-11-20	2004-11-20	2004-11-20
SVOCs, 8270	**UU SCO**	**RRU SCO**	*Result*	*Result*	*Result*	*Result*	*Result*
Acenaphthene	20	100	ND	ND	0.091	13	ND
Acenaphthylene	100	100	ND	ND	ND	5.1	0.059
Anthracene	100	100	ND	ND	0.091	23	0.46
Benzo(a)anthracene	1	1	ND	ND	0.074	**31**	0.69
Benzo(a)pyrene	1	1	ND	ND	ND	**18**	0.36
Benzo(b)fluoranthene	1	1	ND	ND	ND	**21**	0.33
Benzo(g,h,i)perylene	100	100	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.8	3.9	ND	ND	ND	**21**	0.52
Chrysene	1	3.9	ND	0.1	0.07	**24**	0.59
Dibenzo(a,h)anthracene	0.33	0.33	ND	ND	ND	ND	ND
Fluoranthene	100	100	ND	ND	0.17	55	0.77
Fluorene	30	100	ND	ND	0.1	21	0.14
Indeno(1,2,3-cd)pyrene	0.5	0.5	ND	ND	ND	ND	ND
Naphthalene	12	100	0.31	ND	0.5	21	1.5
Phenanthrene	100	100	ND	ND	0.33	74	1.4
Pyrene	100	100	ND	0.16	0.14	48	0.67

		Sample ID	GP-7 (8'-12')	GP-8 (4'-8')	GP-8 (8'-12')	GP-9 (4'-8')	GP-13 (4'-8')
All data in mg/Kg (ppm)		Date	2004-11-20	2004-11-20	2004-11-20	2005-01-15	2005-01-15
SVOCs, 8270	**UU SCO**	**RRU SCO**	*Result*	*Result*	*Result*	*Result*	*Result*
Acenaphthene	20	100	ND	ND	ND	0.059	ND
Acenaphthylene	100	100	ND	0.11	ND	ND	ND
Anthracene	100	100	ND	0.5	ND	0.14	ND
Benzo(a)anthracene	1	1	ND	0.55	0.11	0.33	0.08
Benzo(a)pyrene	1	1	ND	0.46	ND	0.26	0.075
Benzo(b)fluoranthene	1	1	ND	0.3	ND	0.2	0.064
Benzo(g,h,i)perylene	100	100	ND	0.12	ND	ND	ND
Benzo(k)fluoranthene	0.8	3.9	ND	0.47	ND	0.3	0.084
Chrysene	1	3.9	ND	0.56	0.12	0.3	0.086
Dibenzo(a,h)anthracene	0.33	0.33	ND	ND	ND	ND	ND
Fluoranthene	100	100	ND	1.6	0.31	0.58	0.12
Fluorene	30	100	ND	0.23	ND	0.069	ND
Indeno(1,2,3-cd)pyrene	0.5	0.5	ND	0.14	ND	0.057	ND
Naphthalene	12	100	0.081	ND	ND	ND	0.21
Phenanthrene	100	100	ND	1.9	0.29	0.5	0.09
Pyrene	100	100	ND	1.3	0.26	0.5	0.12

Analyte Detected
Analyte Above UU SCO
Analyte Above RRU SCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 3a: Metals in Soils - 2021

NYSDEC Spill No. 0409835
GBTS File: 21003-0067

GALLAGHER BASSETT | TECHNICAL SERVICES

		Sample ID	SB-01 (8-10)		SB-02 (5-10)		SB-04 (0-2)		SB-05 (0-5)		SB-06 (0-1)	
U= Not Detected ≥ value		Date	2021-05-25		2021-05-25		2021-05-25		2021-05-25		2021-05-25	
All data in mg/Kg (ppm)		Dilution Factor	1		1		1		1		1	
Metals, 6010/7473	**UU SCO**	**RRU SCO**	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*
Aluminum	NA	NA	8,590		18,700		9,160		12,500		13,800	
Antimony	NA	NA	3.02	*U*	4.29	*U*	2.78	*U*	2.8	*U*	2.68	*U*
Arsenic	13	16	4.56		6.98		12		7.13		4.51	
Barium	350	400	35		192		190		117		103	
Beryllium	7.2	72	0.06	*U*	0.086	*U*	0.056	*U*	0.056	*U*	0.054	*U*
Cadmium	2.5	4.3	0.841		0.601		0.739		0.842		0.589	
Calcium	NA	NA	4,450		6,710		15,600		4,940		8,550	
Chromium	30	180	11.4		23.8		13.8		19.7		24.9	
Cobalt	NA	NA	11.4		12.9		10.6		10.5		11	
Copper	50	270	7.59		40.1		41.6		28.9		29.6	
Iron	NA	NA	64,000		26,600		29,800		26,800		20,700	
Lead	63	400	17.3		224		231		284		92.8	
Magnesium	NA	NA	2,150		5,810		9,250		5,130		5,660	
Manganese	1,600	2,000	695		405		337		719		360	
Mercury	0.18	0.81	0.0363		**1.15**		0.237		0.123		0.193	
Nickel	30	310	11.1		20.6		16.7		18.3		20.5	
Potassium	NA	NA	1,080		2,410		1,550		1,500		2,300	*B*
Selenium	3.9	180	3.02	*U*	4.29	*U*	2.78	*U*	2.8	*U*	2.68	*U*
Silver	2	180	0.603	*U*	0.858	*U*	0.556	*U*	0.559	*U*	0.537	*U*
Sodium	NA	NA	140		374		1,320		55.9	*U*	54.1	
Thallium	NA	NA	3.02	*U*	4.29	*U*	2.78	*U*	2.8	*U*	2.68	*U*
Vanadium	NA	NA	29.6		40.5		24.8		32.2		34.6	
Zinc	109	10,000	18.1		127		119		199		93.3	

Analyte Detected
Analyte Above UU SCO
Analyte Above RRU SCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Flags: J = approximate E = estimated B = detected in blank D = diluted

Table 3a: Metals in Soils - 2021

NYSDEC Spill No. 0409835
GBTS File: 21003-0067

GALLAGHER BASSETT | TECHNICAL SERVICES

		Sample ID	SB-07 (0-1)		SB-08 (0-1)		SB-09 (0-1)	
U= Not Detected ≥ value		Date	2021-05-25		2021-05-25		2021-05-25	
All data in mg/Kg (ppm)		Dilution Factor	1		1		1	
Metals, 6010/7473	**UU SCO**	**RRU SCO**	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*
Aluminum	NA	NA	9,810		15,900		8,470	
Antimony	NA	NA	2.72	*U*	2.76	*U*	2.71	*U*
Arsenic	13	16	5.45		11.9		12.9	
Barium	350	400	97.7		**589**		107	
Beryllium	7.2	72	0.054	*U*	0.055	*U*	0.054	*U*
Cadmium	2.5	4.3	0.597		3.37		2.13	
Calcium	NA	NA	3,180		6,360		20,100	
Chromium	30	180	13.4		32.5		30.1	
Cobalt	NA	NA	7.61		13.8		7.81	
Copper	50	270	22.4		100		69	
Iron	NA	NA	20,300		36,700		20,000	
Lead	63	400	257		**1,340**		297	
Magnesium	NA	NA	3,700		5,930		9,310	
Manganese	1,600	2,000	266		654		350	
Mercury	0.18	0.81	0.136		**0.935**		0.282	
Nickel	30	310	11.6		25.4		23.9	
Potassium	NA	NA	1,590	*B*	1,880	*B*	1,320	*B*
Selenium	3.9	180	2.72	*U*	2.76	*U*	2.71	*U*
Silver	2	180	0.544	*U*	0.551	*U*	0.541	*U*
Sodium	NA	NA	54.4	*U*	71.1		55.8	
Thallium	NA	NA	2.72	*U*	2.76	*U*	2.71	*U*
Vanadium	NA	NA	26		43.9		23.8	
Zinc	109	10,000	169		785		289	

Analyte Detected
Analyte Above UU SCO
Analyte Above RRU SCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Flags: J = approximate E = estimated B = detected in blank D = diluted

Table 3b: Metals in Soils - 2021
NYSDEC Spill No. 0409835
GBTS File: 21003-0067

GALLAGHER BASSETT | TECHNICAL SERVICES

		Sample ID	2SB-01 (5)		2SB-02 (2)		2SB-02 (7)		2SB-03 (3)		2SB-03 (5)		2SB-04 (3)	
U= Not Detected ≥ value		Date	2021-12-18		2021-12-18		2021-12-18		2021-12-18		2021-12-18		2021-12-18	
All data in mg/Kg (ppm)		Dilution Factor	1		1		1		1		1		1	
Metals, 6010/7473	**UU SCO**	**RRU SCO**	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*
Barium	350	400	278		70.2		68.6		86.3		46.4		64.8	
Lead	63	400	**547**		75.8		17.3		53.8		16.3		50.3	
Mercury	0.18	0.81	0.238		0.0624		0.0385	*U*	0.104		0.327		0.0476	

		Sample ID	2SB-05 (4)		2SB-06 (4)		2SS-01		2SS-02		2SS-03		2SS-04	
		Date	2021-12-18		2021-12-18		2021-12-18		2021-12-18		2021-12-18		2021-12-18	
		Dilution Factor	1		1		1		1		1		1	
Metals, 6010/7473	**UU SCO**	**RRU SCO**	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*
Barium	350	400	**533**		79.6		177		234		273		**557**	
Lead	63	400	**817**		188		**458**		**616**		**997**		**1,590**	
Mercury	0.18	0.81	0.282		0.26		0.265		0.324		0.423		0.517	

		Sample ID	2SS-05		2SS-06		2SS-07		2SS-08		2SS-09		2SS-10	
		Date	2021-12-18		2021-12-18		2021-12-18		2021-12-18		2021-12-18		2021-12-18	
		Dilution Factor	1		1		1		1		1		1	
Metals, 6010/7473	**UU SCO**	**RRU SCO**	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*
Barium	350	400	358		**925**		**789**		**621**		130		**479**	
Lead	63	400	**2,480**		**2,720**		**10,600**		**1,080**		348		**786**	
Mercury	0.18	0.81	0.741		**4.62**		**1.04**		0.519		0.358		0.607	

		Sample ID	2SS-11		2SS-12		2SS-13		2SS-14	
		Date	2021-12-18		2021-12-18		2021-12-18		2021-12-18	
		Dilution Factor	1		1		1		1	
Metals, 6010/7473	**UU SCO**	**RRU SCO**	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*
Barium	350	400	107		110		142		327	
Lead	63	400	198		252		151		**456**	
Mercury	0.18	0.81	0.163		0.319		0.189		0.521	

Analyte Detected
Analyte Above UU SCO
Analyte Above RRU SCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Flags: J = approximate E = estimated B = detected in blank D = diluted

Table 4: Pesticides and PCBs in Soils - 2021

NYSDEC Spill No. 0409835
GBTS File: 21003-0067

GALLAGHER BASSETT | TECHNICAL SERVICES

		Sample ID	SB-01 (8-10)		SB-02 (5-10)		SB-04 (0-2)		SB-05 (0-5)		SB-06 (0-1)		SB-07 (0-1)		SB-08 (0-1)		SB-09 (0-1)	
U= Not Detected ≥ value		Date	2021-05-25		2021-05-25		2021-05-25		2021-05-25		2021-05-25		2021-05-25		2021-05-25		2021-05-25	
All data in mg/Kg (ppm)		Dilution Factor	5		5		5		10		5		5		5		5	
Pesticides, 8081	**UU SCO**	**RRU SCO**	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*
4,(4)-DDD	0.0033	13	0.00198	*U*	0.0028	*U*	0.00181	*U*	0.00359	*U*	0.00174	*U*	0.00178	*U*	0.0167	*D*	0.00178	*U*
4,(4)-DDE	0.0033	8.9	0.00198	*U*	0.0028	*U*	0.00181	*U*	0.0235	*D*	0.00719	*D*	0.00451	*D*	0.0353	*D*	0.00178	*U*
4,(4)-DDT	0.0033	7.9	0.00198	*U*	0.0028	*U*	0.00181	*U*	0.0239	*DP*	0.0201	*D*	0.00694	*D*	0.151	*D*	0.011	*DP*
Aldrin	0.005	0.097	0.00198	*U*	0.0028	*U*	0.00181	*U*	0.00359	*U*	0.00174	*U*	0.00178	*U*	0.00181	*U*	0.00178	*U*
alpha-BHC	0.02	0.48	0.00198	*U*	0.0028	*U*	0.00181	*U*	0.00359	*U*	0.00174	*U*	0.00178	*U*	0.00181	*U*	0.00178	*U*
alpha-Chlordane	0.094	4.2	0.00198	*U*	0.0028	*U*	0.00181	*U*	0.647	*DP*	0.0305	*DP*	0.00178	*U*	0.0481	*DP*	0.0133	*DP*
beta-BHC	0.036	0.36	0.00198	*U*	0.0028	*U*	0.00181	*U*	0.00359	*U*	0.00174	*U*	0.00178	*U*	0.00181	*U*	0.00178	*U*
Chlordane-total	NA	NA	0.0397	*U*	0.0561	*U*	0.0361	*U*	2.36	*D*	0.134	*D*	0.0357	*U*	0.166	*D*	0.0719	*D*
delta-BHC	0.04	100	0.00198	*U*	0.0028	*U*	0.00181	*U*	0.00359	*U*	0.00174	*U*	0.00178	*U*	0.00181	*U*	0.00178	*U*
Dieldrin	0.005	0.2	0.00198	*U*	0.0028	*U*	0.00181	*U*	0.00359	*U*	0.00174	*U*	0.00178	*U*	0.00181	*U*	0.00178	*U*
Endosulfan I	2.4	24	0.00198	*U*	0.0028	*U*	0.00181	*U*	0.00359	*U*	0.00174	*U*	0.00178	*U*	0.00181	*U*	0.00178	*U*
Endosulfan II	2.4	24	0.00198	*U*	0.0028	*U*	0.00181	*U*	0.00359	*U*	0.00174	*U*	0.00178	*U*	0.00181	*U*	0.00178	*U*
Endosulfan sulfate	2.4	24	0.00198	*U*	0.0028	*U*	0.00181	*U*	0.00359	*U*	0.00174	*U*	0.00178	*U*	0.00181	*U*	0.00178	*U*
Endrin	0.014	11	0.00198	*U*	0.0028	*U*	0.00181	*U*	0.00359	*U*	0.00174	*U*	0.00178	*U*	0.00181	*U*	0.00178	*U*
Endrin aldehyde	NA	NA	0.00198	*U*	0.0028	*U*	0.00181	*U*	0.00359	*U*	0.00174	*U*	0.00178	*U*	0.00181	*U*	0.00178	*U*
Endrin ketone	NA	NA	0.00198	*U*	0.0028	*U*	0.00181	*U*	0.00359	*U*	0.00174	*U*	0.00178	*U*	0.00181	*U*	0.00178	*U*
gamma-BHC	0.1	1.3	0.00198	*U*	0.0028	*U*	0.00181	*U*	0.00359	*U*	0.00174	*U*	0.00178	*U*	0.00181	*U*	0.00178	*U*
gamma-Chlordane	NA	NA	0.00198	*U*	0.0028	*U*	0.00181	*U*	0.348	*D*	0.0165	*D*	0.00178	*U*	0.0146	*D*	0.0103	*D*
Heptachlor	0.042	2.1	0.00198	*U*	0.0028	*U*	0.00181	*U*	0.00359	*U*	0.00174	*U*	0.00178	*U*	0.00181	*U*	0.00178	*U*
Heptachlor Epoxide	NA	NA	0.00198	*U*	0.0028	*U*	0.00181	*U*	0.0551	*DP*	0.00174	*U*	0.00178	*U*	0.00181	*U*	0.00178	*U*
Methoxychlor	NA	NA	0.00992	*U*	0.014	*U*	0.00903	*U*	0.018	*U*	0.00871	*U*	0.00892	*U*	0.00904	*U*	0.0089	*U*
Toxaphene	NA	NA	0.1	*U*	0.142	*U*	0.0913	*U*	0.182	*U*	0.0882	*U*	0.0903	*U*	0.0915	*U*	0.0901	*U*

		Sample ID	SB-03 (5-7)	
		Date	2021-05-25	
		Dilution Factor	1	
PCBs, 8082	**UU SCO**	**RRU SCO**	*Result*	*Flag*
Aroclor 1016	0.1	1.00	0.0198	*U*
Aroclor 1221	0.1	1.00	0.0198	*U*
Aroclor 1232	0.1	1.00	0.0198	*U*
Aroclor 1242	0.1	1.00	0.0198	*U*
Aroclor 1248	0.1	1.00	0.0198	*U*
Aroclor 1254	0.1	1.00	0.0198	*U*
Aroclor 1260	0.1	1.00	0.0198	*U*
Aroclor, Total	0.1	1.00	0.0198	*U*

Analyte Detected
Analyte Above UU SCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Flags: J = approximate E = estimated B = detected in blank D = diluted

APPENDIX D: Laboratory Reports

Technical Report

prepared for:

Gallagher Bassett - Poughkeepsie, NY
22 IBM Road, Suite 101
Poughkeepsie NY, 12601
Attention: Erick Salazar

Report Date: 06/03/2021
Client Project ID: 21003-0067
York Project (SDG) No.: 21E1155

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: 06/03/2021
Client Project ID: 21003-0067
York Project (SDG) No.: 21E1155

Gallagher Bassett - Poughkeepsie, NY
22 IBM Road, Suite 101
Poughkeepsie NY, 12601
Attention: Erick Salazar

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 May 26, 2021 and listed below. The project was identified as your project: **21003-0067**.

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
21E1155-01	SB-01 8-10	Soil	05/25/2021	05/26/2021
21E1155-02	SB-02 5-10	Soil	05/25/2021	05/26/2021
21E1155-03	SB-04 0-2	Soil	05/25/2021	05/26/2021
21E1155-04	SB-05 0-5	Soil	05/25/2021	05/26/2021
21E1155-05	SB-06 0-1	Soil	05/25/2021	05/26/2021
21E1155-06	SB-07 0-1	Soil	05/25/2021	05/26/2021
21E1155-07	SB-08 0-1	Soil	05/25/2021	05/26/2021
21E1155-08	SB-09 0-1	Soil	05/25/2021	05/26/2021
21E1155-09	SB-03 5-7	Soil	05/25/2021	05/26/2021
21E1155-10	SB-03 6	Soil	05/25/2021	05/26/2021
21E1155-23	TB-2021 05 25	Water	05/25/2021	05/26/2021

General Notes for York Project (SDG) No.: 21E1155

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: 06/03/2021

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: SB-01 8-10 **York Sample ID:** 21E1155-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	**1,1-Biphenyl**	**0.0687**	J	mg/kg dry	0.0501	0.100	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:16	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.100	0.200	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:16	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:16	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:16	KH
								Certifications: NELAC-NY10854,PADEP			
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:16	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:16	KH
								Certifications: NELAC-NY10854,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:16	KH
								Certifications: NELAC-NY10854,PADEP			
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.100	0.200	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:16	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:16	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:16	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:16	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:16	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.100	0.200	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:16	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:16	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:16	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:16	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:16	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-57-6	**2-Methylnaphthalene**	**0.209**		mg/kg dry	0.0501	0.100	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:16	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:16	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.100	0.200	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:16	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:16	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
65794-96-9	**3- & 4-Methylphenols**	**0.0639**	J	mg/kg dry	0.0501	0.100	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:16	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SB-01 8-10 **York Sample ID:** 21E1155-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
83-32-9	**Acenaphthene**	**0.684**		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
208-96-8	**Acenaphthylene**	**0.0719**	J	mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
62-53-3	Aniline	ND		mg/kg dry	0.200	0.400	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
120-12-7	**Anthracene**	**1.48**		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
92-87-5	Benzidine	ND		mg/kg dry	0.200	0.400	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
56-55-3	**Benzo(a)anthracene**	**1.48**		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
50-32-8	**Benzo(a)pyrene**	**1.37**		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
205-99-2	**Benzo(b)fluoranthene**	**1.01**		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
191-24-2	**Benzo(g,h,i)perylene**	**0.643**		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
207-08-9	**Benzo(k)fluoranthene**	**1.15**		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH

Sample Information

Client Sample ID: SB-01 8-10 **York Sample ID:** 21E1155-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
86-74-8	**Carbazole**	**0.731**		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
218-01-9	**Chrysene**	**1.63**		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
53-70-3	**Dibenzo(a,h)anthracene**	**0.228**		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 13:16	KH
206-44-0	**Fluoranthene**	**4.70**		mg/kg dry	0.125	0.250	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 18:08	KH
86-73-7	**Fluorene**	**0.840**		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.817**		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH

Sample Information

Client Sample ID: SB-01 8-10 **York Sample ID:** 21E1155-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-59-1	Isophorone	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
91-20-3	**Naphthalene**	**0.407**		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
85-01-8	**Phenanthrene**	**5.68**		mg/kg dry	0.125	0.250	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 18:08	KH
108-95-2	Phenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:16	KH
129-00-0	**Pyrene**	**4.00**		mg/kg dry	0.125	0.250	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 18:08	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*30.7 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*35.5 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*29.9 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*37.0 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*54.8 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*53.9 %*	*24-116*

Pesticides, 8081 target list

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
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 09:17	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 09:17	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 09:17	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 09:17	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 09:17	CM

Sample Information

Client Sample ID: SB-01 8-10 **York Sample ID:** 21E1155-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Pesticides, 8081 target list

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
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/27/2021 14:36	06/01/2021 09:17	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 09:17	CM
57-74-9	Chlordane, total	ND		mg/kg dry	0.0397	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 09:17	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 09:17	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 09:17	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 09:17	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/27/2021 14:36	06/01/2021 09:17	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 09:17	CM
72-20-8	Endrin	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 09:17	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 09:17	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 09:17	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 09:17	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/27/2021 14:36	06/01/2021 09:17	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 09:17	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 09:17	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00992	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 09:17	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.100	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 09:17	CM

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*86.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*160 %*	*30-150*

Metals, Target Analyte

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
7429-90-5	**Aluminum**	**8590**		mg/kg dry	6.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 11:54	06/02/2021 13:15	EM

Sample Information

Client Sample ID: SB-01 8-10 **York Sample ID:** 21E1155-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Metals, Target Analyte

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	ND		mg/kg dry	3.02	1	EPA 6010D Certifications:	05/27/2021 11:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:15	EM
7440-38-2	**Arsenic**	**4.56**		mg/kg dry	1.81	1	EPA 6010D Certifications:	05/27/2021 11:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:15	EM
7440-39-3	**Barium**	**35.0**		mg/kg dry	3.02	1	EPA 6010D Certifications:	05/27/2021 11:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:15	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D Certifications:	05/27/2021 11:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:15	EM
7440-43-9	**Cadmium**	**0.841**		mg/kg dry	0.362	1	EPA 6010D Certifications:	05/27/2021 11:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:15	EM
7440-70-2	**Calcium**	**4450**		mg/kg dry	6.03	1	EPA 6010D Certifications:	05/27/2021 11:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:15	EM
7440-47-3	**Chromium**	**11.4**		mg/kg dry	0.603	1	EPA 6010D Certifications:	05/27/2021 11:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:15	EM
7440-48-4	**Cobalt**	**11.4**		mg/kg dry	0.483	1	EPA 6010D Certifications:	05/27/2021 11:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:15	EM
7440-50-8	**Copper**	**7.59**		mg/kg dry	2.41	1	EPA 6010D Certifications:	05/27/2021 11:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:15	EM
7439-89-6	**Iron**	**64000**		mg/kg dry	30.2	1	EPA 6010D Certifications:	05/27/2021 11:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:15	EM
7439-92-1	**Lead**	**17.3**		mg/kg dry	0.603	1	EPA 6010D Certifications:	05/27/2021 11:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:15	EM
7439-95-4	**Magnesium**	**2150**		mg/kg dry	6.03	1	EPA 6010D Certifications:	05/27/2021 11:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:15	EM
7439-96-5	**Manganese**	**695**		mg/kg dry	0.603	1	EPA 6010D Certifications:	05/27/2021 11:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:15	EM
7440-02-0	**Nickel**	**11.1**		mg/kg dry	1.21	1	EPA 6010D Certifications:	05/27/2021 11:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:15	EM
7440-09-7	**Potassium**	**1080**		mg/kg dry	6.03	1	EPA 6010D Certifications:	05/27/2021 11:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:15	EM
7782-49-2	Selenium	ND		mg/kg dry	3.02	1	EPA 6010D Certifications:	05/27/2021 11:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:15	EM
7440-22-4	Silver	ND		mg/kg dry	0.603	1	EPA 6010D Certifications:	05/27/2021 11:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:15	EM
7440-23-5	**Sodium**	**140**		mg/kg dry	60.3	1	EPA 6010D Certifications:	05/27/2021 11:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:15	EM
7440-28-0	Thallium	ND		mg/kg dry	3.02	1	EPA 6010D Certifications:	05/27/2021 11:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:15	EM
7440-62-2	**Vanadium**	**29.6**		mg/kg dry	1.21	1	EPA 6010D Certifications:	05/27/2021 11:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:15	EM
7440-66-6	**Zinc**	**18.1**		mg/kg dry	3.02	1	EPA 6010D Certifications:	05/27/2021 11:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:15	EM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: SB-01 8-10 **York Sample ID:** 21E1155-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

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**	**0.0363**		mg/kg dry	0.0362	1	EPA 7473	06/01/2021 08:31	06/01/2021 11:50	AD
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

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**	**82.9**		%	0.100	1	SM 2540G	05/27/2021 08:12	05/27/2021 14:09	OT
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB-02 5-10 **York Sample ID:** 21E1155-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	**1,1-Biphenyl**	**0.392**		mg/kg dry	0.0713	0.142	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:50	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.142	0.284	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:50	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:50	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:50	KH
								Certifications: NELAC-NY10854,PADEP			
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:50	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:50	KH
								Certifications: NELAC-NY10854,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:50	KH
								Certifications: NELAC-NY10854,PADEP			
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.142	0.284	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:50	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:50	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:50	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D	05/28/2021 13:50	06/01/2021 13:50	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SB-02 5-10 **York Sample ID:** 21E1155-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.142	0.284	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-57-6	**2-Methylnaphthalene**	**1.47**		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
95-48-7	**2-Methylphenol**	**0.119**	J	mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.142	0.284	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
65794-96-9	**3- & 4-Methylphenols**	**0.310**		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 13:50 NELAC-NY10854,NJDEP,PADEP	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.142	0.284	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.142	0.284	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
100-01-6	**4-Nitroaniline**	**0.166**	J	mg/kg dry	0.142	0.284	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.142	0.284	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
83-32-9	**Acenaphthene**	**2.26**		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
208-96-8	**Acenaphthylene**	**0.915**		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 13:50 NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: SB-02 5-10 **York Sample ID:** 21E1155-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-53-3	Aniline	ND		mg/kg dry	0.285	0.570	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:50	KH
120-12-7	**Anthracene**	**5.51**		mg/kg dry	0.356	0.711	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 18:38	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:50	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:50	KH
92-87-5	Benzidine	ND		mg/kg dry	0.285	0.570	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/28/2021 13:50	06/01/2021 13:50	KH
56-55-3	**Benzo(a)anthracene**	**7.43**		mg/kg dry	0.356	0.711	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 18:38	KH
50-32-8	**Benzo(a)pyrene**	**5.20**		mg/kg dry	0.356	0.711	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 18:38	KH
205-99-2	**Benzo(b)fluoranthene**	**4.23**		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:50	KH
191-24-2	**Benzo(g,h,i)perylene**	**2.71**		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:50	KH
207-08-9	**Benzo(k)fluoranthene**	**4.61**		mg/kg dry	0.356	0.711	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 18:38	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:50	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:50	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:50	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:50	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:50	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:50	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:50	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.142	0.284	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:50	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:50	KH
218-01-9	**Chrysene**	**6.82**		mg/kg dry	0.356	0.711	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 18:38	KH
53-70-3	**Dibenzo(a,h)anthracene**	**1.14**		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:50	KH
132-64-9	**Dibenzofuran**	**2.37**		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:50	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 13:50	KH

Sample Information

Client Sample ID: SB-02 5-10 **York Sample ID:** 21E1155-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 13:50	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 13:50	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 13:50	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.142	0.284	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 13:50	KH
206-44-0	**Fluoranthene**	**15.7**		mg/kg dry	0.356	0.711	10	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 18:38	KH
86-73-7	**Fluorene**	**3.23**		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50 NELAC-NY10854,NJDEP,PADEP	06/01/2021 13:50	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 13:50	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 13:50	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 13:50	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 13:50	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**3.11**		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 13:50	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 13:50	KH
91-20-3	**Naphthalene**	**2.71**		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 13:50	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 13:50	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 13:50	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 13:50	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 13:50	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 13:50	KH
85-01-8	**Phenanthrene**	**20.3**		mg/kg dry	0.356	0.711	10	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 18:38	KH
108-95-2	Phenol	ND		mg/kg dry	0.0713	0.142	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 13:50	KH
129-00-0	**Pyrene**	**13.9**		mg/kg dry	0.356	0.711	10	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 18:38	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*41.6 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*50.2 %*	*23-114*

Sample Information

Client Sample ID: SB-02 5-10 **York Sample ID:** 21E1155-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Semi-Volatiles, 8270 - Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

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*	*42.8 %*			*22-108*						
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*48.3 %*			*21-113*						
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*58.4 %*			*19-110*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*57.6 %*			*24-116*						

Pesticides, 8081 target list

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
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00280	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:34	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00280	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:34	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00280	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:34	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00280	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:34	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00280	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:34	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00280	5	EPA 8081B Certifications:	05/27/2021 14:36 NELAC-NY10854,NJDEP	06/01/2021 09:34	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00280	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:34	CM
57-74-9	Chlordane, total	ND		mg/kg dry	0.0561	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:34	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00280	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:34	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00280	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:34	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00280	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:34	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00280	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854	06/01/2021 09:34	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00280	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:34	CM
72-20-8	Endrin	ND		mg/kg dry	0.00280	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:34	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00280	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:34	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00280	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:34	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00280	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:34	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00280	5	EPA 8081B Certifications:	05/27/2021 14:36 NELAC-NY10854,NJDEP	06/01/2021 09:34	CM

Sample Information

Client Sample ID: SB-02 5-10 **York Sample ID:** 21E1155-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Pesticides, 8081 target list

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
76-44-8	Heptachlor	ND		mg/kg dry	0.00280	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 09:34	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00280	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 09:34	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.0140	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 09:34	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.142	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 09:34	CM

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*93.6 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*47.7 %*	*30-150*

Metals, Target Analyte

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
7429-90-5	**Aluminum**	**18700**		mg/kg dry	8.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 11:54	06/02/2021 13:19	EM
7440-36-0	Antimony	ND		mg/kg dry	4.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 11:54	06/02/2021 13:19	EM
7440-38-2	**Arsenic**	**6.98**		mg/kg dry	2.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 11:54	06/02/2021 13:19	EM
7440-39-3	**Barium**	**192**		mg/kg dry	4.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 11:54	06/02/2021 13:19	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.086	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 11:54	06/02/2021 13:19	EM
7440-43-9	**Cadmium**	**0.601**		mg/kg dry	0.515	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 11:54	06/02/2021 13:19	EM
7440-70-2	**Calcium**	**6710**		mg/kg dry	8.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 11:54	06/02/2021 13:19	EM
7440-47-3	**Chromium**	**23.8**		mg/kg dry	0.858	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 11:54	06/02/2021 13:19	EM
7440-48-4	**Cobalt**	**12.9**		mg/kg dry	0.687	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 11:54	06/02/2021 13:19	EM
7440-50-8	**Copper**	**40.1**		mg/kg dry	3.43	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 11:54	06/02/2021 13:19	EM
7439-89-6	**Iron**	**26600**		mg/kg dry	42.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 11:54	06/02/2021 13:19	EM
7439-92-1	**Lead**	**224**		mg/kg dry	0.858	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 11:54	06/02/2021 13:19	EM
7439-95-4	**Magnesium**	**5810**		mg/kg dry	8.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 11:54	06/02/2021 13:19	EM

Sample Information

Client Sample ID: SB-02 5-10 **York Sample ID:** 21E1155-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Metals, Target Analyte

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
7439-96-5	**Manganese**	**405**		mg/kg dry	0.858	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:19	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**20.6**		mg/kg dry	1.72	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:19	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**2410**		mg/kg dry	8.58	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:19	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	4.29	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:19	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.858	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:19	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**374**		mg/kg dry	85.8	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:19	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-28-0	Thallium	ND		mg/kg dry	4.29	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:19	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**40.5**		mg/kg dry	1.72	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:19	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**127**		mg/kg dry	4.29	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:19	EM
							Certifications: CTDOH,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**	**1.15**		mg/kg dry	0.0515	1	EPA 7473	06/01/2021 08:31	06/01/2021 11:58	AD
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

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**	**58.2**		%	0.100	1	SM 2540G	05/27/2021 08:12	05/27/2021 14:09	OT
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB-04 0-2 **York Sample ID:** 21E1155-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Sample Information

Client Sample ID: SB-04 0-2 **York Sample ID:** 21E1155-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH

Sample Information

Client Sample ID: SB-04 0-2 **York Sample ID:** 21E1155-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
208-96-8	**Acenaphthylene**	**0.344**		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
62-53-3	Aniline	ND		mg/kg dry	0.185	0.369	2	EPA 8270D Certifications:	05/28/2021 13:50 NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
120-12-7	**Anthracene**	**0.164**		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.369	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,PADEP	06/01/2021 14:24	KH
56-55-3	**Benzo(a)anthracene**	**0.848**		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
50-32-8	**Benzo(a)pyrene**	**0.853**		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
205-99-2	**Benzo(b)fluoranthene**	**0.635**		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
191-24-2	**Benzo(g,h,i)perylene**	**0.538**		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
207-08-9	**Benzo(k)fluoranthene**	**0.792**		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH

Sample Information

Client Sample ID: SB-04 0-2 **York Sample ID:** 21E1155-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
218-01-9	**Chrysene**	**0.794**		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
53-70-3	**Dibenzo(a,h)anthracene**	**0.196**		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 14:24	KH
206-44-0	**Fluoranthene**	**1.12**		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.581**		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:24	KH

Sample Information

Client Sample ID: SB-04 0-2 **York Sample ID:** 21E1155-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
85-01-8	**Phenanthrene**	**0.259**		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
108-95-2	Phenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH
129-00-0	**Pyrene**	**1.03**		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:24	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*35.0 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*37.8 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*36.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*35.8 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*38.1 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*39.4 %*	*24-116*

Pesticides, 8081 target list

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
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:51	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:51	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:51	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:51	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:51	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 NELAC-NY10854,NJDEP	06/01/2021 09:51	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:51	CM

Sample Information

Client Sample ID: SB-04 0-2 **York Sample ID:** 21E1155-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Pesticides, 8081 target list

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
57-74-9	Chlordane, total	ND		mg/kg dry	0.0361	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:51	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:51	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:51	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:51	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854	06/01/2021 09:51	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:51	CM
72-20-8	Endrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:51	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:51	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:51	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:51	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 NELAC-NY10854,NJDEP	06/01/2021 09:51	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:51	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:51	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00903	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:51	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.0913	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 09:51	CM

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*82.8 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*54.6 %*	*30-150*

Metals, Target Analyte

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
7429-90-5	**Aluminum**	**9160**		mg/kg dry	5.56	1	EPA 6010D Certifications:	05/27/2021 11:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:23	EM
7440-36-0	Antimony	ND		mg/kg dry	2.78	1	EPA 6010D Certifications:	05/27/2021 11:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:23	EM
7440-38-2	**Arsenic**	**12.0**		mg/kg dry	1.67	1	EPA 6010D Certifications:	05/27/2021 11:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:23	EM

Sample Information

Client Sample ID: SB-04 0-2 **York Sample ID:** 21E1155-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Metals, Target Analyte

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
7440-39-3	**Barium**	**190**		mg/kg dry	2.78	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:23	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:23	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.739**		mg/kg dry	0.334	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:23	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**15600**		mg/kg dry	5.56	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:23	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**13.8**		mg/kg dry	0.556	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:23	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**10.6**		mg/kg dry	0.445	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:23	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**41.6**		mg/kg dry	2.22	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:23	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**29800**		mg/kg dry	27.8	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:23	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**231**		mg/kg dry	0.556	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:23	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**9250**		mg/kg dry	5.56	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:23	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**337**		mg/kg dry	0.556	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:23	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**16.7**		mg/kg dry	1.11	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:23	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1550**		mg/kg dry	5.56	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:23	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.78	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:23	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.556	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:23	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**1320**		mg/kg dry	55.6	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:23	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.78	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:23	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**24.8**		mg/kg dry	1.11	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:23	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**119**		mg/kg dry	2.78	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:23	EM
							Certifications:	CTDOH,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

Sample Information

Client Sample ID: SB-04 0-2 **York Sample ID:** 21E1155-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

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**	**0.237**		mg/kg dry	0.0334	1	EPA 7473	06/01/2021 08:31	06/01/2021 12:15	AD
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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**	**89.9**		%	0.100	1	SM 2540G	05/27/2021 08:12	05/27/2021 14:09	OT
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SB-05 0-5 **York Sample ID:** 21E1155-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D	05/28/2021 13:50	06/01/2021 14:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D	05/28/2021 13:50	06/01/2021 14:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D	05/28/2021 13:50	06/01/2021 14:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D	05/28/2021 13:50	06/01/2021 14:57	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D	05/28/2021 13:50	06/01/2021 14:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D	05/28/2021 13:50	06/01/2021 14:57	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D	05/28/2021 13:50	06/01/2021 14:57	KH
								Certifications:	NELAC-NY10854,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D	05/28/2021 13:50	06/01/2021 14:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D	05/28/2021 13:50	06/01/2021 14:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D	05/28/2021 13:50	06/01/2021 14:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-05 0-5 **York Sample ID:** 21E1155-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:57	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:57	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:57	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:57	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:57	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:57	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:57	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:57	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:57	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:57	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:57	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:57	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50 NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:57	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:57	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:57	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:57	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:57	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:57	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:57	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:57	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:57	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:57	KH
208-96-8	**Acenaphthylene**	**0.0767**	J	mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 14:57	KH

Sample Information

Client Sample ID: SB-05 0-5 **York Sample ID:** 21E1155-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-86-2	Acetophenone	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:57	KH
62-53-3	Aniline	ND		mg/kg dry	0.183	0.366	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:57	KH
120-12-7	**Anthracene**	**0.0497**	J	mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:57	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:57	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:57	KH
92-87-5	Benzidine	ND		mg/kg dry	0.183	0.366	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/28/2021 13:50	06/01/2021 14:57	KH
56-55-3	**Benzo(a)anthracene**	**0.174**		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:57	KH
50-32-8	**Benzo(a)pyrene**	**0.214**		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:57	KH
205-99-2	**Benzo(b)fluoranthene**	**0.205**		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:57	KH
191-24-2	**Benzo(g,h,i)perylene**	**0.187**		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:57	KH
207-08-9	**Benzo(k)fluoranthene**	**0.226**		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:57	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:57	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:57	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:57	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:57	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:57	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:57	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:57	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:57	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:57	KH
218-01-9	**Chrysene**	**0.291**		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:57	KH
53-70-3	**Dibenzo(a,h)anthracene**	**0.0490**	J	mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:57	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 14:57	KH

Sample Information

Client Sample ID: SB-05 0-5 **York Sample ID:** 21E1155-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 14:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 14:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 14:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 14:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.0914	0.183	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 14:57	KH
206-44-0	**Fluoranthene**	**0.460**		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 14:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 14:57 NELAC-NY10854,NJDEP,PADEP	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 14:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 14:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 14:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 14:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.189**		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 14:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 14:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 14:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 14:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 14:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 14:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 14:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 14:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
85-01-8	**Phenanthrene**	**0.324**		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 14:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
108-95-2	Phenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 14:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
129-00-0	**Pyrene**	**0.443**		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 14:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*31.2 %*	*20-108*

Sample Information

Client Sample ID: SB-05 0-5 **York Sample ID:** 21E1155-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-62-2	*Surrogate: SURR: Phenol-d5*	*33.6 %*			*23-114*						
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*32.2 %*			*22-108*						
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*34.9 %*			*21-113*						
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*38.8 %*			*19-110*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*38.5 %*			*24-116*						

Pesticides, 8081 target list

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
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00359	10	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 10:48	CM
72-55-9	**4,4'-DDE**	**0.0235**		mg/kg dry	0.00359	10	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 10:48	CM
50-29-3	**4,4'-DDT**	**0.0239**		mg/kg dry	0.00359	10	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 10:48	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00359	10	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 10:48	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00359	10	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 10:48	CM
5103-71-9	**alpha-Chlordane**	**0.647**		mg/kg dry	0.00359	10	EPA 8081B Certifications:	05/27/2021 14:36 NELAC-NY10854,NJDEP	06/02/2021 10:48	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00359	10	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 10:48	CM
57-74-9	**Chlordane, total**	**2.36**		mg/kg dry	0.0719	10	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 10:48	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00359	10	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 10:48	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00359	10	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 10:48	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00359	10	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 10:48	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00359	10	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854	06/02/2021 10:48	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00359	10	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 10:48	CM
72-20-8	Endrin	ND		mg/kg dry	0.00359	10	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 10:48	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00359	10	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 10:48	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00359	10	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 10:48	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00359	10	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 10:48	CM

Sample Information

Client Sample ID: SB-05 0-5 **York Sample ID:** 21E1155-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Pesticides, 8081 target list

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
5566-34-7	**gamma-Chlordane**	**0.348**		mg/kg dry	0.00359	10	EPA 8081B	05/27/2021 14:36	06/02/2021 10:48	CM
							Certifications: NELAC-NY10854,NJDEP			
76-44-8	Heptachlor	ND		mg/kg dry	0.00359	10	EPA 8081B	05/27/2021 14:36	06/02/2021 10:48	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	**Heptachlor epoxide**	**0.0551**		mg/kg dry	0.00359	10	EPA 8081B	05/27/2021 14:36	06/02/2021 10:48	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		mg/kg dry	0.0180	10	EPA 8081B	05/27/2021 14:36	06/02/2021 10:48	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		mg/kg dry	0.182	10	EPA 8081B	05/27/2021 14:36	06/02/2021 10:48	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*108 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*62.3 %*	*30-150*

Metals, Target Analyte

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
7429-90-5	**Aluminum**	**12500**		mg/kg dry	5.59	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:34	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.80	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:34	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	**Arsenic**	**7.13**		mg/kg dry	1.68	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:34	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**117**		mg/kg dry	2.80	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:34	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:34	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	**Cadmium**	**0.842**		mg/kg dry	0.335	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:34	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**4940**		mg/kg dry	5.59	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:34	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**19.7**		mg/kg dry	0.559	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:34	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**10.5**		mg/kg dry	0.447	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:34	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	**Copper**	**28.9**		mg/kg dry	2.24	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:34	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**26800**		mg/kg dry	28.0	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:34	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**284**		mg/kg dry	0.559	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:34	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SB-05 0-5 **York Sample ID:** 21E1155-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Metals, Target Analyte

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
7439-95-4	**Magnesium**	**5130**		mg/kg dry	5.59	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:34	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-96-5	**Manganese**	**719**		mg/kg dry	0.559	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:34	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**18.3**		mg/kg dry	1.12	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:34	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**1500**		mg/kg dry	5.59	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:34	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	2.80	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:34	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.559	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:34	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	Sodium	ND		mg/kg dry	55.9	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:34	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-28-0	Thallium	ND		mg/kg dry	2.80	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:34	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**32.2**		mg/kg dry	1.12	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:34	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**199**		mg/kg dry	2.80	1	EPA 6010D	05/27/2021 11:54	06/02/2021 13:34	EM
							Certifications: CTDOH,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**	**0.123**		mg/kg dry	0.0335	1	EPA 7473	06/01/2021 08:31	06/01/2021 12:25	AD
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

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**	**89.4**		%	0.100	1	SM 2540G	05/27/2021 08:12	05/27/2021 14:09	OT
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB-06 0-1 **York Sample ID:** 21E1155-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Sample Information

Client Sample ID: **SB-06 0-1** **York Sample ID:** **21E1155-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Pesticides, 8081 target list **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
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:24	CM
72-55-9	**4,4'-DDE**	**0.00719**		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:24	CM
50-29-3	**4,4'-DDT**	**0.0201**		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:24	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:24	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:24	CM
5103-71-9	**alpha-Chlordane**	**0.0305**		mg/kg dry	0.00174	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/27/2021 14:36	06/01/2021 10:24	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:24	CM
57-74-9	**Chlordane, total**	**0.134**		mg/kg dry	0.0349	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:24	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:24	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:24	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:24	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/27/2021 14:36	06/01/2021 10:24	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:24	CM
72-20-8	Endrin	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:24	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:24	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:24	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:24	CM
5566-34-7	**gamma-Chlordane**	**0.0165**		mg/kg dry	0.00174	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/27/2021 14:36	06/01/2021 10:24	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:24	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:24	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00871	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:24	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.0882	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:24	CM

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: SB-06 0-1 **York Sample ID:** 21E1155-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Pesticides, 8081 target list

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
2051-24-3	*Surrogate: Decachlorobiphenyl*	*84.0 %*			*30-150*					
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*48.7 %*			*30-150*					

Metals, Target Analyte

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
7429-90-5	**Aluminum**	**13800**		mg/kg dry	5.37	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:38	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.68	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:38	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**4.51**		mg/kg dry	1.61	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:38	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**103**		mg/kg dry	2.68	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:38	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.054	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:38	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.589**		mg/kg dry	0.322	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:38	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**8550**		mg/kg dry	5.37	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:38	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**24.9**		mg/kg dry	0.537	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:38	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**11.0**		mg/kg dry	0.430	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:38	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**29.6**		mg/kg dry	2.15	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:38	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**20700**		mg/kg dry	26.8	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:38	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**92.8**		mg/kg dry	0.537	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:38	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**5660**		mg/kg dry	5.37	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:38	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**360**		mg/kg dry	0.537	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:38	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**20.5**		mg/kg dry	1.07	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:38	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**2300**	B	mg/kg dry	5.37	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:38	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.68	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:38	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.537	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:38	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-06 0-1 **York Sample ID:** 21E1155-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Metals, Target Analyte

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
7440-23-5	**Sodium**	**54.1**		mg/kg dry	53.7	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:38	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-28-0	Thallium	ND		mg/kg dry	2.68	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:38	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**34.6**		mg/kg dry	1.07	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:38	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**93.3**		mg/kg dry	2.68	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:38	EM
							Certifications: CTDOH,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**	**0.193**		mg/kg dry	0.0322	1	EPA 7473	06/01/2021 08:31	06/01/2021 12:35	AD
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

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**	**93.1**		%	0.100	1	SM 2540G	05/27/2021 08:12	05/27/2021 14:09	OT
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB-07 0-1 **York Sample ID:** 21E1155-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Pesticides, 8081 target list

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
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00178	5	EPA 8081B	05/27/2021 14:36	06/01/2021 10:41	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-55-9	**4,4'-DDE**	**0.00451**		mg/kg dry	0.00178	5	EPA 8081B	05/27/2021 14:36	06/01/2021 10:41	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-29-3	**4,4'-DDT**	**0.00694**		mg/kg dry	0.00178	5	EPA 8081B	05/27/2021 14:36	06/01/2021 10:41	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SB-07 0-1 **York Sample ID:** 21E1155-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Pesticides, 8081 target list

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
309-00-2	Aldrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:41	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:41	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/27/2021 14:36	06/01/2021 10:41	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:41	CM
57-74-9	Chlordane, total	ND		mg/kg dry	0.0357	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:41	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:41	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:41	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:41	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/27/2021 14:36	06/01/2021 10:41	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:41	CM
72-20-8	Endrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:41	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:41	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:41	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:41	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/27/2021 14:36	06/01/2021 10:41	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:41	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:41	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00892	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:41	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.0903	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 10:41	CM

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*86.4 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*51.0 %*	*30-150*

Metals, Target Analyte

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

Sample Information

Client Sample ID: SB-07 0-1 **York Sample ID:** 21E1155-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

7429-90-5	**Aluminum**	**9810**		mg/kg dry	5.44	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:42	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.72	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:42	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**5.45**		mg/kg dry	1.63	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:42	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**97.7**		mg/kg dry	2.72	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:42	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.054	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:42	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.597**		mg/kg dry	0.327	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:42	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**3180**		mg/kg dry	5.44	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:42	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**13.4**		mg/kg dry	0.544	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:42	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**7.61**		mg/kg dry	0.435	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:42	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**22.4**		mg/kg dry	2.18	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:42	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**20300**		mg/kg dry	27.2	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:42	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**257**		mg/kg dry	0.544	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:42	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**3700**		mg/kg dry	5.44	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:42	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**266**		mg/kg dry	0.544	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:42	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**11.6**		mg/kg dry	1.09	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:42	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1590**	B	mg/kg dry	5.44	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:42	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.72	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:42	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.544	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:42	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	ND		mg/kg dry	54.4	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:42	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.72	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:42	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**26.0**		mg/kg dry	1.09	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:42	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**169**		mg/kg dry	2.72	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:42	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: SB-07 0-1 **York Sample ID:** 21E1155-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

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**	**0.136**		mg/kg dry	0.0327	1	EPA 7473	06/01/2021 08:31	06/01/2021 12:45	AD
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

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**	**91.9**		%	0.100	1	SM 2540G	05/27/2021 08:12	05/27/2021 14:09	OT
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB-08 0-1 **York Sample ID:** 21E1155-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Pesticides, 8081 target list

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
72-54-8	**4,4'-DDD**	**0.0167**		mg/kg dry	0.00181	5	EPA 8081B	05/27/2021 14:36	06/01/2021 10:58	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-55-9	**4,4'-DDE**	**0.0353**		mg/kg dry	0.00181	5	EPA 8081B	05/27/2021 14:36	06/01/2021 10:58	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-29-3	**4,4'-DDT**	**0.151**		mg/kg dry	0.00181	5	EPA 8081B	05/27/2021 14:36	06/01/2021 10:58	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
309-00-2	Aldrin	ND		mg/kg dry	0.00181	5	EPA 8081B	05/27/2021 14:36	06/01/2021 10:58	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B	05/27/2021 14:36	06/01/2021 10:58	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	**alpha-Chlordane**	**0.0481**		mg/kg dry	0.00181	5	EPA 8081B	05/27/2021 14:36	06/01/2021 10:58	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B	05/27/2021 14:36	06/01/2021 10:58	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
57-74-9	**Chlordane, total**	**0.166**		mg/kg dry	0.0361	5	EPA 8081B	05/27/2021 14:36	06/01/2021 10:58	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B	05/27/2021 14:36	06/01/2021 10:58	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00181	5	EPA 8081B	05/27/2021 14:36	06/01/2021 10:58	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SB-08 0-1 **York Sample ID:** 21E1155-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Pesticides, 8081 target list

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
959-98-8	Endosulfan I	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 10:58	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854	06/01/2021 10:58	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 10:58	CM
72-20-8	Endrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 10:58	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 10:58	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 10:58	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 10:58	CM
5566-34-7	**gamma-Chlordane**	**0.0146**		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 NELAC-NY10854,NJDEP	06/01/2021 10:58	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 10:58	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 10:58	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00904	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 10:58	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.0915	5	EPA 8081B Certifications:	05/27/2021 14:36 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 10:58	CM

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*103 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*59.8 %*	*30-150*

Metals, Target Analyte

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
7429-90-5	**Aluminum**	**15900**		mg/kg dry	5.51	1	EPA 6010D Certifications:	05/28/2021 15:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:46	EM
7440-36-0	Antimony	ND		mg/kg dry	2.76	1	EPA 6010D Certifications:	05/28/2021 15:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:46	EM
7440-38-2	**Arsenic**	**11.9**		mg/kg dry	1.65	1	EPA 6010D Certifications:	05/28/2021 15:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:46	EM
7440-39-3	**Barium**	**589**		mg/kg dry	2.76	1	EPA 6010D Certifications:	05/28/2021 15:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:46	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D Certifications:	05/28/2021 15:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:46	EM
7440-43-9	**Cadmium**	**3.37**		mg/kg dry	0.331	1	EPA 6010D Certifications:	05/28/2021 15:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/02/2021 13:46	EM

Sample Information

Client Sample ID: SB-08 0-1 **York Sample ID:** 21E1155-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Metals, Target Analyte

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
7440-70-2	**Calcium**	**6360**		mg/kg dry	5.51	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:46	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**32.5**		mg/kg dry	0.551	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:46	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**13.8**		mg/kg dry	0.441	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:46	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	**Copper**	**100**		mg/kg dry	2.21	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:46	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**36700**		mg/kg dry	27.6	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:46	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**1340**		mg/kg dry	0.551	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:46	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**5930**		mg/kg dry	5.51	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:46	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-96-5	**Manganese**	**654**		mg/kg dry	0.551	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:46	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**25.4**		mg/kg dry	1.10	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:46	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**1880**	B	mg/kg dry	5.51	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:46	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	2.76	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:46	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.551	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:46	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**71.1**		mg/kg dry	55.1	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:46	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-28-0	Thallium	ND		mg/kg dry	2.76	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:46	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**43.9**		mg/kg dry	1.10	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:46	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**785**		mg/kg dry	2.76	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:46	EM
							Certifications: CTDOH,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**	**0.935**		mg/kg dry	0.0331	1	EPA 7473	06/01/2021 08:31	06/01/2021 12:56	AD
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

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

Sample Information

Client Sample ID: SB-08 0-1 **York Sample ID:** 21E1155-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

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**	**90.7**		%	0.100	1	SM 2540G	05/27/2021 08:12	05/27/2021 14:09	OT
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB-09 0-1 **York Sample ID:** 21E1155-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Pesticides, 8081 target list

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
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00178	5	EPA 8081B	05/27/2021 14:36	06/01/2021 11:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00178	5	EPA 8081B	05/27/2021 14:36	06/01/2021 11:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-29-3	**4,4'-DDT**	**0.0110**		mg/kg dry	0.00178	5	EPA 8081B	05/27/2021 14:36	06/01/2021 11:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
309-00-2	Aldrin	ND		mg/kg dry	0.00178	5	EPA 8081B	05/27/2021 14:36	06/01/2021 11:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B	05/27/2021 14:36	06/01/2021 11:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	**alpha-Chlordane**	**0.0133**		mg/kg dry	0.00178	5	EPA 8081B	05/27/2021 14:36	06/01/2021 11:15	CM
							Certifications: NELAC-NY10854,NJDEP			
319-85-7	beta-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B	05/27/2021 14:36	06/01/2021 11:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
57-74-9	**Chlordane, total**	**0.0719**		mg/kg dry	0.0356	5	EPA 8081B	05/27/2021 14:36	06/01/2021 11:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-86-8	delta-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B	05/27/2021 14:36	06/01/2021 11:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		mg/kg dry	0.00178	5	EPA 8081B	05/27/2021 14:36	06/01/2021 11:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		mg/kg dry	0.00178	5	EPA 8081B	05/27/2021 14:36	06/01/2021 11:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00178	5	EPA 8081B	05/27/2021 14:36	06/01/2021 11:15	CM
							Certifications: CTDOH,NELAC-NY10854			
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00178	5	EPA 8081B	05/27/2021 14:36	06/01/2021 11:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		mg/kg dry	0.00178	5	EPA 8081B	05/27/2021 14:36	06/01/2021 11:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00178	5	EPA 8081B	05/27/2021 14:36	06/01/2021 11:15	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SB-09 0-1 **York Sample ID:** 21E1155-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Pesticides, 8081 target list

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
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 11:15	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 11:15	CM
5566-34-7	**gamma-Chlordane**	**0.0103**		mg/kg dry	0.00178	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/27/2021 14:36	06/01/2021 11:15	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 11:15	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 11:15	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00890	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 11:15	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.0901	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/27/2021 14:36	06/01/2021 11:15	CM

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*99.8 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*59.0 %*	*30-150*

Metals, Target Analyte

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
7429-90-5	**Aluminum**	**8470**		mg/kg dry	5.41	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 15:59	06/02/2021 13:49	EM
7440-36-0	Antimony	ND		mg/kg dry	2.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 15:59	06/02/2021 13:49	EM
7440-38-2	**Arsenic**	**12.9**		mg/kg dry	1.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 15:59	06/02/2021 13:49	EM
7440-39-3	**Barium**	**107**		mg/kg dry	2.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 15:59	06/02/2021 13:49	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.054	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 15:59	06/02/2021 13:49	EM
7440-43-9	**Cadmium**	**2.13**		mg/kg dry	0.325	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 15:59	06/02/2021 13:49	EM
7440-70-2	**Calcium**	**20100**		mg/kg dry	5.41	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 15:59	06/02/2021 13:49	EM
7440-47-3	**Chromium**	**30.1**		mg/kg dry	0.541	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 15:59	06/02/2021 13:49	EM
7440-48-4	**Cobalt**	**7.81**		mg/kg dry	0.433	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 15:59	06/02/2021 13:49	EM
7440-50-8	**Copper**	**69.0**		mg/kg dry	2.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 15:59	06/02/2021 13:49	EM
7439-89-6	**Iron**	**20000**		mg/kg dry	27.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 15:59	06/02/2021 13:49	EM

Sample Information

Client Sample ID: SB-09 0-1 **York Sample ID:** 21E1155-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Metals, Target Analyte

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
7439-92-1	**Lead**	**297**		mg/kg dry	0.541	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:49	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**9310**		mg/kg dry	5.41	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:49	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-96-5	**Manganese**	**350**		mg/kg dry	0.541	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:49	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**23.9**		mg/kg dry	1.08	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:49	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**1320**	B	mg/kg dry	5.41	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:49	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	2.71	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:49	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.541	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:49	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**55.8**		mg/kg dry	54.1	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:49	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-28-0	Thallium	ND		mg/kg dry	2.71	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:49	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**23.8**		mg/kg dry	1.08	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:49	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**289**		mg/kg dry	2.71	1	EPA 6010D	05/28/2021 15:59	06/02/2021 13:49	EM
							Certifications: CTDOH,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**	**0.282**		mg/kg dry	0.0325	1	EPA 7473	06/01/2021 08:31	06/01/2021 13:13	AD
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

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**	**92.4**		%	0.100	1	SM 2540G	05/27/2021 08:12	05/27/2021 14:09	OT
							Certifications: CTDOH			

Sample Information

Client Sample ID: SB-03 5-7 **York Sample ID:** 21E1155-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50 NELAC-NY10854,NJDEP,PADEP	06/01/2021 15:31	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0998	0.199	2	EPA 8270D Certifications:	05/28/2021 13:50 NELAC-NY10854,NJDEP,PADEP	06/01/2021 15:31	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 15:31	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50 NELAC-NY10854,PADEP	06/01/2021 15:31	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50 NELAC-NY10854,NJDEP,PADEP	06/01/2021 15:31	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50 NELAC-NY10854,PADEP	06/01/2021 15:31	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50 NELAC-NY10854,PADEP	06/01/2021 15:31	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0998	0.199	2	EPA 8270D Certifications:	05/28/2021 13:50 NELAC-NY10854,NJDEP,PADEP	06/01/2021 15:31	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 15:31	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 15:31	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 15:31	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 15:31	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0998	0.199	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 15:31	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 15:31	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 15:31	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 15:31	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 15:31	KH
91-57-6	**2-Methylnaphthalene**	**0.0710**	J	mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 15:31	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 15:31	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0998	0.199	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 15:31	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 15:31	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/01/2021 15:31	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50 NELAC-NY10854,NJDEP,PADEP	06/01/2021 15:31	KH

Sample Information

Client Sample ID: SB-03 5-7 **York Sample ID:** 21E1155-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0998	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 15:31	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0998	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 15:31	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 15:31	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 15:31	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 15:31	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 15:31	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0998	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 15:31	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0998	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 15:31	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 15:31	KH
208-96-8	**Acenaphthylene**	**0.147**		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 15:31	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 15:31	KH
62-53-3	Aniline	ND		mg/kg dry	0.200	0.400	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 15:31	KH
120-12-7	**Anthracene**	**0.0606**	J	mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 15:31	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 15:31	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 15:31	KH
92-87-5	Benzidine	ND		mg/kg dry	0.200	0.400	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/28/2021 13:50	06/01/2021 15:31	KH
56-55-3	**Benzo(a)anthracene**	**0.233**		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 15:31	KH
50-32-8	**Benzo(a)pyrene**	**0.372**		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 15:31	KH
205-99-2	**Benzo(b)fluoranthene**	**0.335**		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 15:31	KH
191-24-2	**Benzo(g,h,i)perylene**	**0.243**		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 15:31	KH
207-08-9	**Benzo(k)fluoranthene**	**0.380**		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 15:31	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 15:31	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/28/2021 13:50	06/01/2021 15:31	KH

Sample Information

Client Sample ID: SB-03 5-7 **York Sample ID:** 21E1155-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 15:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 15:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 15:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 15:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 15:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0998	0.199	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 15:31 NELAC-NY10854,NJDEP,PADEP	KH
86-74-8	**Carbazole**	**0.123**		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 15:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
218-01-9	**Chrysene**	**0.484**		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 15:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 15:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
132-64-9	**Dibenzofuran**	**0.123**		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 15:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 15:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 15:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 15:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 15:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.0998	0.199	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 15:31	KH
206-44-0	**Fluoranthene**	**1.18**		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 15:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
86-73-7	**Fluorene**	**0.0862**	J	mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 15:31 NELAC-NY10854,NJDEP,PADEP	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 15:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 15:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 15:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 15:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.283**		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 15:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D Certifications:	05/28/2021 13:50	06/01/2021 15:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: SB-03 5-7 **York Sample ID:** 21E1155-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	**Naphthalene**	**0.172**		mg/kg dry	0.0500	0.0998	2	EPA 8270D	05/28/2021 13:50	06/01/2021 15:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D	05/28/2021 13:50	06/01/2021 15:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D	05/28/2021 13:50	06/01/2021 15:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D	05/28/2021 13:50	06/01/2021 15:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D	05/28/2021 13:50	06/01/2021 15:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D	05/28/2021 13:50	06/01/2021 15:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**1.37**		mg/kg dry	0.0500	0.0998	2	EPA 8270D	05/28/2021 13:50	06/01/2021 15:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0500	0.0998	2	EPA 8270D	05/28/2021 13:50	06/01/2021 15:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.941**		mg/kg dry	0.0500	0.0998	2	EPA 8270D	05/28/2021 13:50	06/01/2021 15:31	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*49.0 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*52.5 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*49.3 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*48.4 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*57.2 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*49.4 %*	*24-116*

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	0.0198	1	EPA 8082A	05/27/2021 14:36	05/28/2021 17:57	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0198	1	EPA 8082A	05/27/2021 14:36	05/28/2021 17:57	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0198	1	EPA 8082A	05/27/2021 14:36	05/28/2021 17:57	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0198	1	EPA 8082A	05/27/2021 14:36	05/28/2021 17:57	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0198	1	EPA 8082A	05/27/2021 14:36	05/28/2021 17:57	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0198	1	EPA 8082A	05/27/2021 14:36	05/28/2021 17:57	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: SB-03 5-7 **York Sample ID:** 21E1155-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

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
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/27/2021 14:36	05/28/2021 17:57	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications:	05/27/2021 14:36	05/28/2021 17:57	BJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*67.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*59.0 %*	*30-140*

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**	**83.0**		%	0.100	1	SM 2540G Certifications: CTDOH	05/27/2021 08:14	05/27/2021 14:15	OT

Sample Information

Client Sample ID: SB-03 6 **York Sample ID:** 21E1155-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Volatile Organics, 8260 - Comprehensive

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 09:00	06/02/2021 11:24	YG
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 09:00	06/02/2021 11:24	YG
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 09:00	06/02/2021 11:24	YG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	06/02/2021 09:00	06/02/2021 11:24	YG
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 09:00	06/02/2021 11:24	YG
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 09:00	06/02/2021 11:24	YG
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 09:00	06/02/2021 11:24	YG
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 09:00	06/02/2021 11:24	YG

Sample Information

Client Sample ID: **SB-03 6** **York Sample ID:** **21E1155-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Volatile Organics, 8260 - Comprehensive

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
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00	06/02/2021 11:24 NELAC-NY10854,NELAC-NY12058,NJDEP	YG
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00	06/02/2021 11:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	YG
95-63-6	**1,2,4-Trimethylbenzene**	**3.7**	J	mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00	06/02/2021 11:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	YG
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00	06/02/2021 11:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	YG
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00	06/02/2021 11:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	YG
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00	06/02/2021 11:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	YG
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00	06/02/2021 11:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	YG
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00	06/02/2021 11:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	YG
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00	06/02/2021 11:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	YG
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00	06/02/2021 11:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	YG
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00	06/02/2021 11:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	YG
123-91-1	1,4-Dioxane	ND		mg/kg dry	39	78	500	EPA 8260C Certifications:	06/02/2021 09:00	06/02/2021 11:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	YG
78-93-3	2-Butanone	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00	06/02/2021 11:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	YG
591-78-6	2-Hexanone	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00	06/02/2021 11:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	YG
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00	06/02/2021 11:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	YG
67-64-1	Acetone	ND		mg/kg dry	3.9	7.8	500	EPA 8260C Certifications:	06/02/2021 09:00	06/02/2021 11:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	YG
107-02-8	Acrolein	ND		mg/kg dry	3.9	7.8	500	EPA 8260C Certifications:	06/02/2021 09:00	06/02/2021 11:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	YG
107-13-1	Acrylonitrile	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00	06/02/2021 11:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	YG
71-43-2	Benzene	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00	06/02/2021 11:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	YG
74-97-5	Bromochloromethane	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00	06/02/2021 11:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	YG
75-27-4	Bromodichloromethane	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00	06/02/2021 11:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	YG
75-25-2	Bromoform	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00	06/02/2021 11:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	YG
74-83-9	Bromomethane	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00	06/02/2021 11:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	YG

Sample Information

Client Sample ID: **SB-03 6** **York Sample ID:** **21E1155-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Volatile Organics, 8260 - Comprehensive

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
75-15-0	Carbon disulfide	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 11:24	YG
56-23-5	Carbon tetrachloride	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 11:24	YG
108-90-7	Chlorobenzene	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 11:24	YG
75-00-3	Chloroethane	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 11:24	YG
67-66-3	Chloroform	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 11:24	YG
74-87-3	Chloromethane	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 11:24	YG
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 11:24	YG
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 11:24	YG
110-82-7	**Cyclohexane**	**28**		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 11:24	YG
124-48-1	Dibromochloromethane	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 11:24	YG
74-95-3	Dibromomethane	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 11:24	YG
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 11:24	YG
100-41-4	**Ethyl Benzene**	**3.6**	J	mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 11:24	YG
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 11:24	YG
98-82-8	Isopropylbenzene	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 11:24	YG
79-20-9	Methyl acetate	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 11:24	YG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 11:24	YG
108-87-2	**Methylcyclohexane**	**61**		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 11:24	YG
75-09-2	Methylene chloride	ND		mg/kg dry	3.9	7.8	500	EPA 8260C Certifications:	06/02/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 11:24	YG
104-51-8	**n-Butylbenzene**	**26**		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 11:24	YG
103-65-1	n-Propylbenzene	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/02/2021 11:24	YG
95-47-6	o-Xylene	ND		mg/kg dry	1.9	3.9	500	EPA 8260C Certifications:	06/02/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	06/02/2021 11:24	YG
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	3.9	7.8	500	EPA 8260C Certifications:	06/02/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	06/02/2021 11:24	YG

Sample Information

Client Sample ID: SB-03 6 **York Sample ID:** 21E1155-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Soil	May 25, 2021 3:00 pm	05/26/2021

Volatile Organics, 8260 - Comprehensive

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
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	1.9	3.9	500	EPA 8260C	06/02/2021 09:00	06/02/2021 11:24	YG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	1.9	3.9	500	EPA 8260C	06/02/2021 09:00	06/02/2021 11:24	YG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	1.9	3.9	500	EPA 8260C	06/02/2021 09:00	06/02/2021 11:24	YG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	1.9	3.9	500	EPA 8260C	06/02/2021 09:00	06/02/2021 11:24	YG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	1.9	3.9	500	EPA 8260C	06/02/2021 09:00	06/02/2021 11:24	YG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	1.9	3.9	500	EPA 8260C	06/02/2021 09:00	06/02/2021 11:24	YG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	1.9	3.9	500	EPA 8260C	06/02/2021 09:00	06/02/2021 11:24	YG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	1.9	3.9	500	EPA 8260C	06/02/2021 09:00	06/02/2021 11:24	YG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	1.9	3.9	500	EPA 8260C	06/02/2021 09:00	06/02/2021 11:24	YG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	1.9	3.9	500	EPA 8260C	06/02/2021 09:00	06/02/2021 11:24	YG
								Certifications:	CTDOH		
79-01-6	Trichloroethylene	ND		mg/kg dry	1.9	3.9	500	EPA 8260C	06/02/2021 09:00	06/02/2021 11:24	YG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	1.9	3.9	500	EPA 8260C	06/02/2021 09:00	06/02/2021 11:24	YG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		mg/kg dry	1.9	3.9	500	EPA 8260C	06/02/2021 09:00	06/02/2021 11:24	YG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	5.8	12	500	EPA 8260C	06/02/2021 09:00	06/02/2021 11:24	YG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*80.0 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.2 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*98.4 %*	*76-130*

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**	**82.4**		%	0.100	1	SM 2540G	05/27/2021 08:14	05/27/2021 14:15	OT
							Certifications:	CTDOH		

Sample Information

Client Sample ID: TB-2021 05 25 **York Sample ID:** 21E1155-23

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Water	May 25, 2021 3:00 pm	05/26/2021

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:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD

Sample Information

Client Sample ID: TB-2021 05 25 **York Sample ID:** 21E1155-23

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Water	May 25, 2021 3:00 pm	05/26/2021

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
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
107-02-8	Acrolein	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD

Sample Information

Client Sample ID: TB-2021 05 25 **York Sample ID:** 21E1155-23

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Water	May 25, 2021 3:00 pm	05/26/2021

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
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	PD
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	PD
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.5	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	PD
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	05/27/2021 09:00	05/27/2021 12:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	PD

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*69-130*

Sample Information

Client Sample ID: TB-2021 05 25 **York Sample ID:** 21E1155-23

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E1155	21003-0067	Water	May 25, 2021 3:00 pm	05/26/2021

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
2037-26-5	*Surrogate: SURR: Toluene-d8*	*93.8 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.0 %*			*79-122*						

Analytical Batch Summary

Batch ID: BE11378 **Preparation Method:** EPA 5030B **Prepared By:** LM

YORK Sample ID	Client Sample ID	Preparation Date
21E1155-23	TB-2021 05 25	05/27/21
BE11378-BLK1	Blank	05/27/21
BE11378-BS1	LCS	05/27/21
BE11378-BSD1	LCS Dup	05/27/21

Batch ID: BE11384 **Preparation Method:** % Solids Prep **Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21E1155-01	SB-01 8-10	05/27/21
21E1155-02	SB-02 5-10	05/27/21
21E1155-03	SB-04 0-2	05/27/21
21E1155-04	SB-05 0-5	05/27/21
21E1155-05	SB-06 0-1	05/27/21
21E1155-06	SB-07 0-1	05/27/21
21E1155-07	SB-08 0-1	05/27/21
21E1155-08	SB-09 0-1	05/27/21
BE11384-DUP1	Duplicate	05/27/21

Batch ID: BE11385 **Preparation Method:** % Solids Prep **Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21E1155-09	SB-03 5-7	05/27/21
21E1155-10	SB-03 6	05/27/21
BE11385-DUP1	Duplicate	05/27/21

Batch ID: BE11425 **Preparation Method:** EPA 3050B **Prepared By:** SK

YORK Sample ID	Client Sample ID	Preparation Date
21E1155-01	SB-01 8-10	05/27/21
21E1155-02	SB-02 5-10	05/27/21
21E1155-03	SB-04 0-2	05/27/21
21E1155-04	SB-05 0-5	05/27/21
BE11425-BLK1	Blank	05/27/21
BE11425-DUP1	Duplicate	05/27/21
BE11425-MS1	Matrix Spike	05/27/21
BE11425-PS1	Post Spike	05/27/21
BE11425-SRM1	Reference	05/27/21

Batch ID: BE11446 **Preparation Method:** EPA 3550C **Prepared By:** MAM

YORK Sample ID	Client Sample ID	Preparation Date
21E1155-01	SB-01 8-10	05/27/21
21E1155-02	SB-02 5-10	05/27/21

21E1155-03	SB-04 0-2	05/27/21
21E1155-04	SB-05 0-5	05/27/21
21E1155-05	SB-06 0-1	05/27/21
21E1155-06	SB-07 0-1	05/27/21
21E1155-07	SB-08 0-1	05/27/21
21E1155-08	SB-09 0-1	05/27/21
21E1155-09	SB-03 5-7	05/27/21
BE11446-BLK1	Blank	05/27/21
BE11446-BLK2	Blank	05/27/21
BE11446-BS1	LCS	05/27/21
BE11446-BS2	LCS	05/27/21
BE11446-MS1	Matrix Spike	05/27/21
BE11446-MS2	Matrix Spike	05/27/21
BE11446-MSD1	Matrix Spike Dup	05/27/21
BE11446-MSD2	Matrix Spike Dup	05/27/21

Batch ID: BE11511 **Preparation Method:** EPA 3546 SVOA **Prepared By:** MAM

YORK Sample ID	Client Sample ID	Preparation Date
21E1155-01	SB-01 8-10	05/28/21
21E1155-01RE1	SB-01 8-10	05/28/21
21E1155-02	SB-02 5-10	05/28/21
21E1155-02RE1	SB-02 5-10	05/28/21
21E1155-03	SB-04 0-2	05/28/21
21E1155-04	SB-05 0-5	05/28/21
21E1155-09	SB-03 5-7	05/28/21
BE11511-BLK1	Blank	05/28/21
BE11511-BS1	LCS	05/28/21
BE11511-MS1	Matrix Spike	05/28/21
BE11511-MSD1	Matrix Spike Dup	05/28/21

Batch ID: BE11518 **Preparation Method:** EPA 3050B **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21E1155-05	SB-06 0-1	05/28/21
21E1155-06	SB-07 0-1	05/28/21
21E1155-07	SB-08 0-1	05/28/21
21E1155-08	SB-09 0-1	05/28/21
BE11518-BLK1	Blank	05/28/21
BE11518-DUP1	Duplicate	05/28/21
BE11518-MS1	Matrix Spike	05/28/21
BE11518-PS1	Post Spike	05/28/21
BE11518-SRM1	Reference	05/28/21

Batch ID: BF10015 **Preparation Method:** EPA 7473 soil **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
21E1155-01	SB-01 8-10	06/01/21
21E1155-02	SB-02 5-10	06/01/21
21E1155-03	SB-04 0-2	06/01/21

21E1155-04	SB-05 0-5	06/01/21
21E1155-05	SB-06 0-1	06/01/21
21E1155-06	SB-07 0-1	06/01/21
21E1155-07	SB-08 0-1	06/01/21
21E1155-08	SB-09 0-1	06/01/21
BF10015-BLK1	Blank	06/01/21
BF10015-DUP1	Duplicate	06/01/21
BF10015-MS1	Matrix Spike	06/01/21
BF10015-SRM1	Reference	06/01/21

Batch ID: BF10070 **Preparation Method:** EPA 5035A **Prepared By:** YG

YORK Sample ID	Client Sample ID	Preparation Date
21E1155-10	SB-03 6	06/02/21
BF10070-BLK1	Blank	06/02/21
BF10070-BLK2	Blank	06/02/21
BF10070-BS1	LCS	06/02/21
BF10070-BSD1	LCS Dup	06/02/21

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE11378 - EPA 5030B											
Blank (BE11378-BLK1)											Prepared & Analyzed: 05/27/2021
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	1.5	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.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE11378 - EPA 5030B											
Blank (BE11378-BLK1)								Prepared & Analyzed: 05/27/2021			
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	*10.1*		*"*	*10.0*		*101*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.43*		*"*	*10.0*		*94.3*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.96*		*"*	*10.0*		*99.6*	*79-122*				
LCS (BE11378-BS1)								Prepared & Analyzed: 05/27/2021			
1,1,1,2-Tetrachloroethane	9.4		ug/L	10.0		93.5	82-126				
1,1,1-Trichloroethane	11		"	10.0		111	78-136				
1,1,2,2-Tetrachloroethane	9.9		"	10.0		98.6	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		125	54-165				
1,1,2-Trichloroethane	9.1		"	10.0		90.6	82-123				
1,1-Dichloroethane	10		"	10.0		104	82-129				
1,1-Dichloroethylene	12		"	10.0		125	68-138				
1,2,3-Trichlorobenzene	9.2		"	10.0		92.5	40-130				
1,2,3-Trichloropropane	9.1		"	10.0		91.2	77-128				
1,2,4-Trichlorobenzene	9.0		"	10.0		90.4	65-137				
1,2,4-Trimethylbenzene	9.1		"	10.0		91.4	82-132				
1,2-Dibromo-3-chloropropane	9.3		"	10.0		93.4	45-147				
1,2-Dibromoethane	9.4		"	10.0		94.1	83-124				
1,2-Dichlorobenzene	9.1		"	10.0		90.6	79-123				
1,2-Dichloroethane	11		"	10.0		107	73-132				
1,2-Dichloropropane	9.1		"	10.0		91.3	78-126				
1,3,5-Trimethylbenzene	9.0		"	10.0		90.1	80-131				
1,3-Dichlorobenzene	9.1		"	10.0		90.8	86-130				
1,4-Dichlorobenzene	9.2		"	10.0		91.9	85-130				
1,4-Dioxane	200		"	210		95.8	10-349				
2-Butanone	10		"	10.0		103	49-152				
2-Hexanone	9.1		"	10.0		91.0	51-146				
4-Methyl-2-pentanone	9.7		"	10.0		97.3	57-145				
Acetone	7.6		"	10.0		76.3	14-150				
Acrolein	17		"	10.0		171	10-153	High Bias			
Acrylonitrile	11		"	10.0		109	51-150				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE11378 - EPA 5030B											
LCS (BE11378-BS1)								Prepared & Analyzed: 05/27/2021			
Benzene	11		ug/L	10.0		111	85-126				
Bromochloromethane	11		"	10.0		108	77-128				
Bromodichloromethane	9.4		"	10.0		93.9	79-128				
Bromoform	9.6		"	10.0		95.6	78-133				
Bromomethane	5.9		"	10.0		59.0	43-168				
Carbon disulfide	15		"	10.0		154	68-146	High Bias			
Carbon tetrachloride	11		"	10.0		112	77-141				
Chlorobenzene	9.3		"	10.0		92.9	88-120				
Chloroethane	10		"	10.0		104	65-136				
Chloroform	10		"	10.0		102	82-128				
Chloromethane	9.4		"	10.0		94.2	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		109	83-129				
cis-1,3-Dichloropropylene	9.5		"	10.0		95.2	80-131				
Cyclohexane	13		"	10.0		127	63-149				
Dibromochloromethane	9.5		"	10.0		95.1	80-130				
Dibromomethane	9.5		"	10.0		94.7	72-134				
Dichlorodifluoromethane	10		"	10.0		103	44-144				
Ethyl Benzene	9.7		"	10.0		97.3	80-131				
Hexachlorobutadiene	8.1		"	10.0		81.0	67-146				
Isopropylbenzene	8.8		"	10.0		87.6	76-140				
Methyl acetate	9.8		"	10.0		97.6	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135				
Methylcyclohexane	11		"	10.0		112	72-143				
Methylene chloride	10		"	10.0		101	55-137				
n-Butylbenzene	8.1		"	10.0		80.9	79-132				
n-Propylbenzene	9.0		"	10.0		89.5	78-133				
o-Xylene	9.5		"	10.0		94.6	78-130				
p- & m- Xylenes	20		"	20.0		98.6	77-133				
p-Isopropyltoluene	9.2		"	10.0		91.5	81-136				
sec-Butylbenzene	9.4		"	10.0		93.5	79-137				
Styrene	9.8		"	10.0		98.0	67-132				
tert-Butyl alcohol (TBA)	58		"	50.0		116	25-162				
tert-Butylbenzene	8.7		"	10.0		87.0	77-138				
Tetrachloroethylene	5.4		"	10.0		54.0	82-131	Low Bias			
Toluene	9.8		"	10.0		97.7	80-127				
trans-1,2-Dichloroethylene	12		"	10.0		123	80-132				
trans-1,3-Dichloropropylene	9.5		"	10.0		94.7	78-131				
trans-1,4-dichloro-2-butene	8.8		"	10.0		88.3	63-141				
Trichloroethylene	9.3		"	10.0		92.6	82-128				
Trichlorofluoromethane	11		"	10.0		115	67-139				
Vinyl Chloride	10		"	10.0		102	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.44*		*"*	*10.0*		*94.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.80*		*"*	*10.0*		*98.0*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE11378 - EPA 5030B											
LCS Dup (BE11378-BSD1)								Prepared & Analyzed: 05/27/2021			
1,1,1,2-Tetrachloroethane	9.8		ug/L	10.0		97.6	82-126		4.29	30	
1,1,1-Trichloroethane	12		"	10.0		115	78-136		3.45	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		100	76-129		1.61	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13		"	10.0		130	54-165		4.47	30	
1,1,2-Trichloroethane	9.4		"	10.0		94.1	82-123		3.79	30	
1,1-Dichloroethane	11		"	10.0		110	82-129		5.69	30	
1,1-Dichloroethylene	13		"	10.0		130	68-138		3.77	30	
1,2,3-Trichlorobenzene	9.6		"	10.0		96.0	40-130		3.71	30	
1,2,3-Trichloropropane	9.4		"	10.0		93.5	77-128		2.49	30	
1,2,4-Trichlorobenzene	9.3		"	10.0		93.1	65-137		2.94	30	
1,2,4-Trimethylbenzene	9.6		"	10.0		95.8	82-132		4.70	30	
1,2-Dibromo-3-chloropropane	9.5		"	10.0		95.1	45-147		1.80	30	
1,2-Dibromoethane	9.6		"	10.0		95.9	83-124		1.89	30	
1,2-Dichlorobenzene	9.3		"	10.0		92.7	79-123		2.29	30	
1,2-Dichloroethane	11		"	10.0		109	73-132		1.94	30	
1,2-Dichloropropane	9.5		"	10.0		94.7	78-126		3.66	30	
1,3,5-Trimethylbenzene	9.6		"	10.0		95.7	80-131		6.03	30	
1,3-Dichlorobenzene	9.5		"	10.0		94.7	86-130		4.20	30	
1,4-Dichlorobenzene	9.5		"	10.0		94.7	85-130		3.00	30	
1,4-Dioxane	200		"	210		94.7	10-349		1.10	30	
2-Butanone	10		"	10.0		104	49-152		0.679	30	
2-Hexanone	9.3		"	10.0		92.7	51-146		1.85	30	
4-Methyl-2-pentanone	9.9		"	10.0		98.9	57-145		1.63	30	
Acetone	7.5		"	10.0		74.9	14-150		1.85	30	
Acrolein	17		"	10.0		167	10-153	High Bias	2.01	30	
Acrylonitrile	11		"	10.0		110	51-150		0.822	30	
Benzene	12		"	10.0		115	85-126		3.54	30	
Bromochloromethane	11		"	10.0		108	77-128		0.926	30	
Bromodichloromethane	9.7		"	10.0		96.6	79-128		2.83	30	
Bromoform	9.7		"	10.0		96.8	78-133		1.25	30	
Bromomethane	6.7		"	10.0		66.9	43-168		12.5	30	
Carbon disulfide	16		"	10.0		159	68-146	High Bias	2.75	30	
Carbon tetrachloride	12		"	10.0		116	77-141		4.21	30	
Chlorobenzene	9.7		"	10.0		96.7	88-120		4.01	30	
Chloroethane	11		"	10.0		108	65-136		3.31	30	
Chloroform	11		"	10.0		106	82-128		3.55	30	
Chloromethane	8.4		"	10.0		84.4	43-155		11.0	30	
cis-1,2-Dichloroethylene	11		"	10.0		112	83-129		3.16	30	
cis-1,3-Dichloropropylene	9.8		"	10.0		98.3	80-131		3.20	30	
Cyclohexane	13		"	10.0		134	63-149		5.60	30	
Dibromochloromethane	9.7		"	10.0		97.3	80-130		2.29	30	
Dibromomethane	9.4		"	10.0		94.4	72-134		0.317	30	
Dichlorodifluoromethane	11		"	10.0		106	44-144		3.35	30	
Ethyl Benzene	10		"	10.0		102	80-131		4.52	30	
Hexachlorobutadiene	8.6		"	10.0		86.5	67-146		6.57	30	
Isopropylbenzene	9.3		"	10.0		93.1	76-140		6.09	30	
Methyl acetate	9.8		"	10.0		98.0	51-139		0.409	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		108	76-135		1.59	30	
Methylcyclohexane	12		"	10.0		119	72-143		5.88	30	
Methylene chloride	10		"	10.0		104	55-137		2.54	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE11378 - EPA 5030B											
LCS Dup (BE11378-BSD1)								Prepared & Analyzed: 05/27/2021			
n-Butylbenzene	9.0		ug/L	10.0		89.6	79-132		10.2	30	
n-Propylbenzene	9.5		"	10.0		94.8	78-133		5.75	30	
o-Xylene	9.8		"	10.0		98.5	78-130		4.04	30	
p- & m- Xylenes	20		"	20.0		102	77-133		3.64	30	
p-Isopropyltoluene	9.8		"	10.0		97.5	81-136		6.35	30	
sec-Butylbenzene	10		"	10.0		99.8	79-137		6.52	30	
Styrene	10		"	10.0		101	67-132		3.02	30	
tert-Butyl alcohol (TBA)	59		"	50.0		118	25-162		1.44	30	
tert-Butylbenzene	9.3		"	10.0		93.1	77-138		6.77	30	
Tetrachloroethylene	5.6		"	10.0		55.9	82-131	Low Bias	3.46	30	
Toluene	10		"	10.0		102	80-127		4.21	30	
trans-1,2-Dichloroethylene	13		"	10.0		128	80-132		3.67	30	
trans-1,3-Dichloropropylene	9.7		"	10.0		96.8	78-131		2.19	30	
trans-1,4-dichloro-2-butene	9.3		"	10.0		93.0	63-141		5.18	30	
Trichloroethylene	9.6		"	10.0		96.3	82-128		3.92	30	
Trichlorofluoromethane	12		"	10.0		116	67-139		1.38	30	
Vinyl Chloride	10		"	10.0		103	58-145		1.85	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.49*		*"*	*10.0*		*94.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.99*		*"*	*10.0*		*99.9*	*79-122*				
Batch BF10070 - EPA 5035A											
Blank (BF10070-BLK1)								Prepared & Analyzed: 06/02/2021			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	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	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF10070 - EPA 5035A											
Blank (BF10070-BLK1)											
Prepared & Analyzed: 06/02/2021											
Bromochloromethane	ND	0.0050	mg/kg wet								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
trans-1,4-dichloro-2-butene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*54.1*		*ug/L*	*50.0*		*108*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.5*		*"*	*50.0*		*97.1*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*47.6*		*"*	*50.0*		*95.3*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF10070 - EPA 5035A											
Blank (BF10070-BLK2)											
1,1,1,2-Tetrachloroethane	ND	0.50	mg/kg wet								
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	10	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	1.0	"								
Acrolein	ND	1.0	"								
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	"								
Methylene chloride	ND	1.0	"								

Prepared & Analyzed: 06/02/2021

Volatile Organic Compounds by GC/MS - Quality Control Data

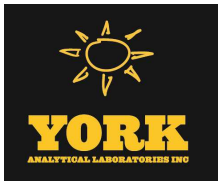
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF10070 - EPA 5035A											
Blank (BF10070-BLK2)											Prepared & Analyzed: 06/02/2021
n-Butylbenzene	ND	0.50	mg/kg wet								
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	0.50	"								
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	*54.8*		*ug/L*	*50.0*		*110*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.7*		*"*	*50.0*		*97.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.0*		*"*	*50.0*		*95.9*	*76-130*				
LCS (BF10070-BS1)											Prepared & Analyzed: 06/02/2021
1,1,1,2-Tetrachloroethane	55		ug/L	50.0		110	75-129				
1,1,1-Trichloroethane	63		"	50.0		126	71-137				
1,1,2,2-Tetrachloroethane	46		"	50.0		91.4	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	56		"	50.0		111	58-146				
1,1,2-Trichloroethane	49		"	50.0		97.3	83-123				
1,1-Dichloroethane	49		"	50.0		97.4	75-130				
1,1-Dichloroethylene	51		"	50.0		102	64-137				
1,2,3-Trichlorobenzene	54		"	50.0		108	81-140				
1,2,3-Trichloropropane	51		"	50.0		102	81-126				
1,2,4-Trichlorobenzene	54		"	50.0		109	80-141				
1,2,4-Trimethylbenzene	54		"	50.0		108	84-125				
1,2-Dibromo-3-chloropropane	52		"	50.0		103	74-142				
1,2-Dibromoethane	52		"	50.0		104	86-123				
1,2-Dichlorobenzene	51		"	50.0		103	85-122				
1,2-Dichloroethane	54		"	50.0		109	71-133				
1,2-Dichloropropane	45		"	50.0		89.1	81-122				
1,3,5-Trimethylbenzene	54		"	50.0		108	82-126				
1,3-Dichlorobenzene	52		"	50.0		104	84-124				
1,4-Dichlorobenzene	51		"	50.0		103	84-124				
1,4-Dioxane	980		"	1050		93.2	10-228				
2-Butanone	42		"	50.0		83.4	58-147				
2-Hexanone	37		"	50.0		73.2	70-139				
4-Methyl-2-pentanone	40		"	50.0		79.6	72-132				
Acetone	27		"	50.0		54.3	36-155				
Acrolein	51		"	50.0		102	10-238				
Acrylonitrile	43		"	50.0		86.4	66-141				
Benzene	52		"	50.0		104	77-127				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF10070 - EPA 5035A											
LCS (BF10070-BS1)							Prepared & Analyzed: 06/02/2021				
Bromochloromethane	40		ug/L	50.0		80.2	74-129				
Bromodichloromethane	53		"	50.0		106	81-124				
Bromoform	57		"	50.0		115	80-136				
Bromomethane	57		"	50.0		113	32-177				
Carbon disulfide	52		"	50.0		105	10-136				
Carbon tetrachloride	63		"	50.0		127	66-143				
Chlorobenzene	52		"	50.0		104	86-120				
Chloroethane	53		"	50.0		107	51-142				
Chloroform	56		"	50.0		112	76-131				
Chloromethane	39		"	50.0		77.1	49-132				
cis-1,2-Dichloroethylene	50		"	50.0		99.6	74-132				
cis-1,3-Dichloropropylene	49		"	50.0		98.9	81-129				
Cyclohexane	42		"	50.0		83.4	70-130				
Dibromochloromethane	55		"	50.0		111	10-200				
Dibromomethane	50		"	50.0		99.3	83-124				
Dichlorodifluoromethane	59		"	50.0		118	28-158				
Ethyl Benzene	55		"	50.0		109	84-125				
Hexachlorobutadiene	62		"	50.0		123	83-133				
Isopropylbenzene	51		"	50.0		102	81-127				
Methyl acetate	36		"	50.0		71.4	41-143				
Methyl tert-butyl ether (MTBE)	50		"	50.0		100	74-131				
Methylcyclohexane	47		"	50.0		94.7	70-130				
Methylene chloride	41		"	50.0		81.7	57-141				
n-Butylbenzene	55		"	50.0		109	80-130				
n-Propylbenzene	50		"	50.0		101	74-136				
o-Xylene	55		"	50.0		109	83-123				
p- & m- Xylenes	110		"	100		110	82-128				
p-Isopropyltoluene	54		"	50.0		109	85-125				
sec-Butylbenzene	55		"	50.0		111	83-125				
Styrene	55		"	50.0		109	86-126				
tert-Butyl alcohol (TBA)	230		"	250		90.2	70-130				
tert-Butylbenzene	53		"	50.0		106	80-127				
Tetrachloroethylene	48		"	50.0		95.5	80-129				
Toluene	53		"	50.0		105	85-121				
trans-1,2-Dichloroethylene	53		"	50.0		107	72-132				
trans-1,3-Dichloropropylene	51		"	50.0		101	78-132				
trans-1,4-dichloro-2-butene	46		"	50.0		92.5	75-135				
Trichloroethylene	54		"	50.0		109	84-123				
Trichlorofluoromethane	63		"	50.0		127	62-140				
Vinyl Chloride	48		"	50.0		95.6	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.1*		*"*	*50.0*		*106*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.4*		*"*	*50.0*		*98.8*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.5*		*"*	*50.0*		*97.0*	*76-130*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF10070 - EPA 5035A											
LCS Dup (BF10070-BSD1)							Prepared & Analyzed: 06/02/2021				
1,1,1,2-Tetrachloroethane	55		ug/L	50.0		110	75-129		0.290	30	
1,1,1-Trichloroethane	61		"	50.0		123	71-137		2.71	30	
1,1,2,2-Tetrachloroethane	46		"	50.0		91.7	79-129		0.262	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	56		"	50.0		113	58-146		1.30	30	
1,1,2-Trichloroethane	49		"	50.0		97.9	83-123		0.635	30	
1,1-Dichloroethane	48		"	50.0		95.5	75-130		1.99	30	
1,1-Dichloroethylene	51		"	50.0		102	64-137		0.941	30	
1,2,3-Trichlorobenzene	54		"	50.0		108	81-140		0.0558	30	
1,2,3-Trichloropropane	52		"	50.0		103	81-126		1.34	30	
1,2,4-Trichlorobenzene	55		"	50.0		109	80-141		0.404	30	
1,2,4-Trimethylbenzene	54		"	50.0		107	84-125		0.912	30	
1,2-Dibromo-3-chloropropane	51		"	50.0		102	74-142		0.681	30	
1,2-Dibromoethane	52		"	50.0		103	86-123		1.37	30	
1,2-Dichlorobenzene	52		"	50.0		103	85-122		0.621	30	
1,2-Dichloroethane	53		"	50.0		107	71-133		1.88	30	
1,2-Dichloropropane	44		"	50.0		87.1	81-122		2.25	30	
1,3,5-Trimethylbenzene	54		"	50.0		108	82-126		0.371	30	
1,3-Dichlorobenzene	51		"	50.0		103	84-124		0.697	30	
1,4-Dichlorobenzene	52		"	50.0		104	84-124		0.774	30	
1,4-Dioxane	900		"	1050		86.1	10-228		7.89	30	
2-Butanone	42		"	50.0		83.3	58-147		0.168	30	
2-Hexanone	37		"	50.0		73.0	70-139		0.273	30	
4-Methyl-2-pentanone	40		"	50.0		79.0	72-132		0.681	30	
Acetone	28		"	50.0		56.8	36-155		4.50	30	
Acrolein	50		"	50.0		99.3	10-238		2.45	30	
Acrylonitrile	42		"	50.0		83.4	66-141		3.44	30	
Benzene	52		"	50.0		103	77-127		0.715	30	
Bromochloromethane	40		"	50.0		80.1	74-129		0.225	30	
Bromodichloromethane	52		"	50.0		104	81-124		2.24	30	
Bromoform	57		"	50.0		115	80-136		0.244	30	
Bromomethane	55		"	50.0		110	32-177		2.87	30	
Carbon disulfide	51		"	50.0		102	10-136		2.69	30	
Carbon tetrachloride	63		"	50.0		126	66-143		0.490	30	
Chlorobenzene	52		"	50.0		104	86-120		0.385	30	
Chloroethane	53		"	50.0		106	51-142		0.507	30	
Chloroform	55		"	50.0		111	76-131		0.755	30	
Chloromethane	38		"	50.0		76.8	49-132		0.286	30	
cis-1,2-Dichloroethylene	48		"	50.0		96.9	74-132		2.83	30	
cis-1,3-Dichloropropylene	48		"	50.0		96.9	81-129		2.00	30	
Cyclohexane	41		"	50.0		82.4	70-130		1.18	30	
Dibromochloromethane	55		"	50.0		109	10-200		1.33	30	
Dibromomethane	48		"	50.0		95.7	83-124		3.67	30	
Dichlorodifluoromethane	58		"	50.0		116	28-158		2.36	30	
Ethyl Benzene	55		"	50.0		109	84-125		0.238	30	
Hexachlorobutadiene	62		"	50.0		123	83-133		0.260	30	
Isopropylbenzene	51		"	50.0		102	81-127		0.0393	30	
Methyl acetate	40		"	50.0		79.0	41-143		10.2	30	
Methyl tert-butyl ether (MTBE)	49		"	50.0		97.4	74-131		2.93	30	
Methylcyclohexane	47		"	50.0		94.1	70-130		0.593	30	
Methylene chloride	39		"	50.0		78.9	57-141		3.41	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF10070 - EPA 5035A											
LCS Dup (BF10070-BSD1)								Prepared & Analyzed: 06/02/2021			
n-Butylbenzene	55		ug/L	50.0		110	80-130		0.384	30	
n-Propylbenzene	50		"	50.0		101	74-136		0.119	30	
o-Xylene	54		"	50.0		109	83-123		0.294	30	
p- & m- Xylenes	110		"	100		109	82-128		1.08	30	
p-Isopropyltoluene	55		"	50.0		110	85-125		0.640	30	
sec-Butylbenzene	55		"	50.0		110	83-125		0.472	30	
Styrene	54		"	50.0		107	86-126		1.74	30	
tert-Butyl alcohol (TBA)	220		"	250		86.8	70-130		3.88	30	
tert-Butylbenzene	53		"	50.0		106	80-127		0.641	30	
Tetrachloroethylene	47		"	50.0		94.6	80-129		0.947	30	
Toluene	52		"	50.0		104	85-121		0.801	30	
trans-1,2-Dichloroethylene	52		"	50.0		104	72-132		2.35	30	
trans-1,3-Dichloropropylene	50		"	50.0		100	78-132		1.29	30	
trans-1,4-dichloro-2-butene	46		"	50.0		92.5	75-135		0.0216	30	
Trichloroethylene	54		"	50.0		107	84-123		1.22	30	
Trichlorofluoromethane	61		"	50.0		121	62-140		4.43	30	
Vinyl Chloride	47		"	50.0		93.9	52-130		1.77	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.1*		*"*	*50.0*		*104*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.2*		*"*	*50.0*		*96.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.2*		*"*	*50.0*		*96.5*	*76-130*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BE11511 - EPA 3546 SVOA

Blank (BE11511-BLK1)

Prepared: 05/28/2021 Analyzed: 06/01/2021

1,1-Biphenyl	ND	0.0416	mg/kg wet
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"
1,2,4-Trichlorobenzene	ND	0.0416	"
1,2-Dichlorobenzene	ND	0.0416	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"
1,3-Dichlorobenzene	ND	0.0416	"
1,4-Dichlorobenzene	ND	0.0416	"
2,3,4,6-Tetrachlorophenol	ND	0.0830	"
2,4,5-Trichlorophenol	ND	0.0416	"
2,4,6-Trichlorophenol	ND	0.0416	"
2,4-Dichlorophenol	ND	0.0416	"
2,4-Dimethylphenol	ND	0.0416	"
2,4-Dinitrophenol	ND	0.0830	"
2,4-Dinitrotoluene	ND	0.0416	"
2,6-Dinitrotoluene	ND	0.0416	"
2-Chloronaphthalene	ND	0.0416	"
2-Chlorophenol	ND	0.0416	"
2-Methylnaphthalene	ND	0.0416	"
2-Methylphenol	ND	0.0416	"
2-Nitroaniline	ND	0.0830	"
2-Nitrophenol	ND	0.0416	"
3- & 4-Methylphenols	ND	0.0416	"
3,3-Dichlorobenzidine	ND	0.0416	"
3-Nitroaniline	ND	0.0830	"
4,6-Dinitro-2-methylphenol	ND	0.0830	"
4-Bromophenyl phenyl ether	ND	0.0416	"
4-Chloro-3-methylphenol	ND	0.0416	"
4-Chloroaniline	ND	0.0416	"
4-Chlorophenyl phenyl ether	ND	0.0416	"
4-Nitroaniline	ND	0.0830	"
4-Nitrophenol	ND	0.0830	"
Acenaphthene	ND	0.0416	"
Acenaphthylene	ND	0.0416	"
Acetophenone	ND	0.0416	"
Aniline	ND	0.166	"
Anthracene	ND	0.0416	"
Atrazine	ND	0.0416	"
Benzaldehyde	ND	0.0416	"
Benzidine	ND	0.166	"
Benzo(a)anthracene	ND	0.0416	"
Benzo(a)pyrene	ND	0.0416	"
Benzo(b)fluoranthene	ND	0.0416	"
Benzo(g,h,i)perylene	ND	0.0416	"
Benzo(k)fluoranthene	ND	0.0416	"
Benzoic acid	ND	0.0416	"
Benzyl alcohol	ND	0.0416	"
Benzyl butyl phthalate	ND	0.0416	"
Bis(2-chloroethoxy)methane	ND	0.0416	"
Bis(2-chloroethyl)ether	ND	0.0416	"
Bis(2-chloroisopropyl)ether	ND	0.0416	"
Bis(2-ethylhexyl)phthalate	ND	0.0416	"

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE11511 - EPA 3546 SVOA											
Blank (BE11511-BLK1)											
Prepared: 05/28/2021 Analyzed: 06/01/2021											
Caprolactam	ND	0.0830	mg/kg wet								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: SURR: 2-Fluorophenol	*1.10*		"	*1.66*		*66.0*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.09*		"	*1.66*		*65.6*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.599*		"	*0.831*		*72.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.507*		"	*0.831*		*61.0*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.08*		"	*1.66*		*65.0*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.716*		"	*0.831*		*86.2*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE11511 - EPA 3546 SVOA											
LCS (BE11511-BS1)									Prepared: 05/28/2021 Analyzed: 06/01/2021		
1,1-Biphenyl	0.398	0.0416	mg/kg wet	0.831		47.9	18-111				
1,2,4,5-Tetrachlorobenzene	0.419	0.0830	"	0.831		50.4	21-131				
1,2,4-Trichlorobenzene	0.421	0.0416	"	0.831		50.6	10-140				
1,2-Dichlorobenzene	0.390	0.0416	"	0.831		47.0	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.488	0.0416	"	0.831		58.7	17-137				
1,3-Dichlorobenzene	0.376	0.0416	"	0.831		45.3	33-110				
1,4-Dichlorobenzene	0.391	0.0416	"	0.831		47.0	32-104				
2,3,4,6-Tetrachlorophenol	0.571	0.0830	"	0.831		68.7	30-130				
2,4,5-Trichlorophenol	0.476	0.0416	"	0.831		57.3	27-118				
2,4,6-Trichlorophenol	0.446	0.0416	"	0.831		53.6	31-120				
2,4-Dichlorophenol	0.466	0.0416	"	0.831		56.2	20-127				
2,4-Dimethylphenol	0.451	0.0416	"	0.831		54.3	14-132				
2,4-Dinitrophenol	0.259	0.0830	"	0.831		31.2	10-171				
2,4-Dinitrotoluene	0.530	0.0416	"	0.831		63.8	34-131				
2,6-Dinitrotoluene	0.534	0.0416	"	0.831		64.3	31-128				
2-Chloronaphthalene	0.407	0.0416	"	0.831		49.0	31-117				
2-Chlorophenol	0.430	0.0416	"	0.831		51.8	33-113				
2-Methylnaphthalene	0.481	0.0416	"	0.831		57.9	12-138				
2-Methylphenol	0.445	0.0416	"	0.831		53.6	10-136				
2-Nitroaniline	0.489	0.0830	"	0.831		58.8	27-132				
2-Nitrophenol	0.485	0.0416	"	0.831		58.4	17-129				
3- & 4-Methylphenols	0.388	0.0416	"	0.831		46.7	29-103				
3,3-Dichlorobenzidine	0.187	0.0416	"	0.831		22.6	22-149				
3-Nitroaniline	0.449	0.0830	"	0.831		54.0	20-133				
4,6-Dinitro-2-methylphenol	0.437	0.0830	"	0.831		52.6	10-143				
4-Bromophenyl phenyl ether	0.429	0.0416	"	0.831		51.6	29-120				
4-Chloro-3-methylphenol	0.470	0.0416	"	0.831		56.6	24-129				
4-Chloroaniline	0.358	0.0416	"	0.831		43.2	10-132				
4-Chlorophenyl phenyl ether	0.420	0.0416	"	0.831		50.6	27-124				
4-Nitroaniline	0.469	0.0830	"	0.831		56.5	16-128				
4-Nitrophenol	0.566	0.0830	"	0.831		68.1	10-141				
Acenaphthene	0.425	0.0416	"	0.831		51.1	30-121				
Acenaphthylene	0.419	0.0416	"	0.831		50.4	30-115				
Acetophenone	0.399	0.0416	"	0.831		48.1	20-112				
Aniline	0.381	0.166	"	0.831		45.9	10-119				
Anthracene	0.474	0.0416	"	0.831		57.1	34-118				
Atrazine	0.450	0.0416	"	0.831		54.2	26-112				
Benzaldehyde	0.406	0.0416	"	0.831		48.9	21-100				
Benzo(a)anthracene	0.486	0.0416	"	0.831		58.6	32-122				
Benzo(a)pyrene	0.522	0.0416	"	0.831		62.8	29-133				
Benzo(b)fluoranthene	0.485	0.0416	"	0.831		58.4	25-133				
Benzo(g,h,i)perylene	0.518	0.0416	"	0.831		62.4	10-143				
Benzo(k)fluoranthene	0.499	0.0416	"	0.831		60.1	25-128				
Benzoic acid	0.231	0.0416	"	0.831		27.8	10-140				
Benzyl alcohol	0.501	0.0416	"	0.831		60.3	30-115				
Benzyl butyl phthalate	0.496	0.0416	"	0.831		59.7	26-126				
Bis(2-chloroethoxy)methane	0.416	0.0416	"	0.831		50.0	19-132				
Bis(2-chloroethyl)ether	0.403	0.0416	"	0.831		48.5	19-125				
Bis(2-chloroisopropyl)ether	0.472	0.0416	"	0.831		56.8	20-135				
Bis(2-ethylhexyl)phthalate	0.499	0.0416	"	0.831		60.1	10-155				
Caprolactam	0.464	0.0830	"	0.831		55.9	10-127				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE11511 - EPA 3546 SVOA											
LCS (BE11511-BS1)											
Prepared: 05/28/2021 Analyzed: 06/01/2021											
Carbazole	0.481	0.0416	mg/kg wet	0.831		58.0	35-123				
Chrysene	0.509	0.0416	"	0.831		61.3	32-123				
Dibenzo(a,h)anthracene	0.493	0.0416	"	0.831		59.3	10-136				
Dibenzofuran	0.439	0.0416	"	0.831		52.8	29-121				
Diethyl phthalate	0.451	0.0416	"	0.831		54.3	34-116				
Dimethyl phthalate	0.425	0.0416	"	0.831		51.2	35-124				
Di-n-butyl phthalate	0.471	0.0416	"	0.831		56.8	31-116				
Di-n-octyl phthalate	0.535	0.0416	"	0.831		64.4	26-136				
Diphenylamine	0.557	0.0830	"	0.831		67.1	40-140				
Fluoranthene	0.471	0.0416	"	0.831		56.7	33-122				
Fluorene	0.446	0.0416	"	0.831		53.7	29-123				
Hexachlorobenzene	0.465	0.0416	"	0.831		56.0	21-124				
Hexachlorobutadiene	0.409	0.0416	"	0.831		49.2	10-149				
Hexachlorocyclopentadiene	0.440	0.0416	"	0.831		53.0	10-129				
Hexachloroethane	0.401	0.0416	"	0.831		48.2	28-108				
Indeno(1,2,3-cd)pyrene	0.489	0.0416	"	0.831		58.9	10-135				
Isophorone	0.434	0.0416	"	0.831		52.2	20-132				
Naphthalene	0.450	0.0416	"	0.831		54.1	23-124				
Nitrobenzene	0.469	0.0416	"	0.831		56.4	13-132				
N-Nitrosodimethylamine	0.368	0.0416	"	0.831		44.3	11-129				
N-nitroso-di-n-propylamine	0.401	0.0416	"	0.831		48.3	24-119				
N-Nitrosodiphenylamine	0.546	0.0416	"	0.831		65.7	22-152				
Pentachlorophenol	0.470	0.0416	"	0.831		56.6	10-139				
Phenanthrene	0.464	0.0416	"	0.831		55.9	33-123				
Phenol	0.435	0.0416	"	0.831		52.4	23-115				
Pyrene	0.495	0.0416	"	0.831		59.6	32-130				
Surrogate: SURR: 2-Fluorophenol	*0.949*		"	*1.66*		*57.1*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.929*		"	*1.66*		*55.9*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.513*		"	*0.831*		*61.7*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.425*		"	*0.831*		*51.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.984*		"	*1.66*		*59.3*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.642*		"	*0.831*		*77.2*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BE11511 - EPA 3546 SVOA

Matrix Spike (BE11511-MS1) *Source sample: 21E1136-01 (Matrix Spike) Prepared: 05/28/2021 Analyzed: 06/01/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	0.645	0.101	mg/kg dry	1.01	ND	64.2	10-130				
1,2,4,5-Tetrachlorobenzene	0.634	0.201	"	1.01	ND	63.1	10-133				
1,2,4-Trichlorobenzene	0.692	0.101	"	1.01	ND	68.8	10-127				
1,2-Dichlorobenzene	0.679	0.101	"	1.01	ND	67.5	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.731	0.101	"	1.01	ND	72.7	10-144				
1,3-Dichlorobenzene	0.633	0.101	"	1.01	ND	63.0	11-111				
1,4-Dichlorobenzene	0.650	0.101	"	1.01	ND	64.6	10-106				
2,3,4,6-Tetrachlorophenol	0.875	0.201	"	1.01	ND	87.0	30-130				
2,4,5-Trichlorophenol	0.784	0.101	"	1.01	ND	78.0	10-127				
2,4,6-Trichlorophenol	0.704	0.101	"	1.01	ND	70.0	10-132				
2,4-Dichlorophenol	0.762	0.101	"	1.01	ND	75.8	10-128				
2,4-Dimethylphenol	0.783	0.101	"	1.01	ND	77.9	10-137				
2,4-Dinitrophenol	0.990	0.201	"	1.01	ND	98.5	10-171				
2,4-Dinitrotoluene	0.830	0.101	"	1.01	ND	82.6	16-135				
2,6-Dinitrotoluene	0.845	0.101	"	1.01	ND	84.1	18-131				
2-Chloronaphthalene	0.660	0.101	"	1.01	ND	65.7	10-129				
2-Chlorophenol	0.737	0.101	"	1.01	ND	73.3	15-116				
2-Methylnaphthalene	0.827	0.101	"	1.01	ND	82.2	10-147				
2-Methylphenol	0.754	0.101	"	1.01	ND	75.0	10-136				
2-Nitroaniline	0.855	0.201	"	1.01	ND	85.0	10-137				
2-Nitrophenol	0.885	0.101	"	1.01	ND	88.1	10-129				
3- & 4-Methylphenols	0.696	0.101	"	1.01	ND	69.2	10-123				
3,3-Dichlorobenzidine	0.241	0.101	"	1.01	ND	24.0	10-155				
3-Nitroaniline	0.773	0.201	"	1.01	ND	76.9	12-133				
4,6-Dinitro-2-methylphenol	0.791	0.201	"	1.01	ND	78.7	10-155				
4-Bromophenyl phenyl ether	0.645	0.101	"	1.01	ND	64.2	14-128				
4-Chloro-3-methylphenol	0.825	0.101	"	1.01	ND	82.1	10-134				
4-Chloroaniline	0.687	0.101	"	1.01	ND	68.3	10-145				
4-Chlorophenyl phenyl ether	0.669	0.101	"	1.01	ND	66.6	14-130				
4-Nitroaniline	0.686	0.201	"	1.01	ND	68.2	10-147				
4-Nitrophenol	0.856	0.201	"	1.01	ND	85.1	10-137				
Acenaphthene	0.681	0.101	"	1.01	ND	67.8	10-146				
Acenaphthylene	0.678	0.101	"	1.01	ND	67.4	10-134				
Acetophenone	0.692	0.101	"	1.01	ND	68.9	10-116				
Aniline	0.658	0.403	"	1.01	ND	65.4	10-123				
Anthracene	0.701	0.101	"	1.01	ND	69.8	10-142				
Atrazine	0.663	0.101	"	1.01	ND	65.9	19-115				
Benzaldehyde	0.672	0.101	"	1.01	ND	66.9	10-125				
Benzo(a)anthracene	0.732	0.101	"	1.01	ND	72.8	10-158				
Benzo(a)pyrene	0.806	0.101	"	1.01	ND	80.2	10-180				
Benzo(b)fluoranthene	0.752	0.101	"	1.01	ND	74.8	10-200				
Benzo(g,h,i)perylene	0.740	0.101	"	1.01	ND	73.6	10-138				
Benzo(k)fluoranthene	0.750	0.101	"	1.01	ND	74.6	10-197				
Benzoic acid	0.294	0.101	"	1.01	ND	29.3	10-166				
Benzyl alcohol	0.790	0.101	"	1.01	ND	78.6	12-124				
Benzyl butyl phthalate	0.731	0.101	"	1.01	ND	72.7	10-154				
Bis(2-chloroethoxy)methane	0.691	0.101	"	1.01	ND	68.7	10-132				
Bis(2-chloroethyl)ether	0.728	0.101	"	1.01	ND	72.4	10-119				
Bis(2-chloroisopropyl)ether	0.762	0.101	"	1.01	ND	75.8	10-139				
Bis(2-ethylhexyl)phthalate	0.737	0.101	"	1.01	ND	73.4	10-167				
Caprolactam	0.777	0.201	"	1.01	ND	77.3	10-132				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE11511 - EPA 3546 SVOA											
Matrix Spike (BE11511-MS1)	*Source sample: 21E1136-01 (Matrix Spike)							Prepared: 05/28/2021 Analyzed: 06/01/2021			
Carbazole	0.702	0.101	mg/kg dry	1.01	ND	69.8	10-167				
Chrysene	0.783	0.101	"	1.01	ND	77.9	10-156				
Dibenzo(a,h)anthracene	0.708	0.101	"	1.01	ND	70.5	10-137				
Dibenzofuran	0.704	0.101	"	1.01	ND	70.0	10-147				
Diethyl phthalate	0.696	0.101	"	1.01	ND	69.2	20-120				
Dimethyl phthalate	0.703	0.101	"	1.01	ND	69.9	18-131				
Di-n-butyl phthalate	0.680	0.101	"	1.01	ND	67.6	10-137				
Di-n-octyl phthalate	0.780	0.101	"	1.01	ND	77.6	10-180				
Diphenylamine	0.847	0.201	"	1.01	ND	84.2	40-140				
Fluoranthene	0.705	0.101	"	1.01	ND	70.2	10-160				
Fluorene	0.717	0.101	"	1.01	ND	71.4	10-157				
Hexachlorobenzene	0.726	0.101	"	1.01	ND	72.2	10-137				
Hexachlorobutadiene	0.667	0.101	"	1.01	ND	66.4	10-132				
Hexachlorocyclopentadiene	0.630	0.101	"	1.01	ND	62.6	10-106				
Hexachloroethane	0.659	0.101	"	1.01	ND	65.6	10-110				
Indeno(1,2,3-cd)pyrene	0.696	0.101	"	1.01	ND	69.3	10-144				
Isophorone	0.739	0.101	"	1.01	ND	73.5	10-132				
Naphthalene	0.758	0.101	"	1.01	ND	75.4	10-141				
Nitrobenzene	0.796	0.101	"	1.01	ND	79.2	10-131				
N-Nitrosodimethylamine	0.654	0.101	"	1.01	ND	65.0	10-126				
N-nitroso-di-n-propylamine	0.694	0.101	"	1.01	ND	69.0	10-125				
N-Nitrosodiphenylamine	0.824	0.101	"	1.01	ND	82.0	10-177				
Pentachlorophenol	0.729	0.101	"	1.01	ND	72.5	10-153				
Phenanthrene	0.684	0.101	"	1.01	ND	68.0	10-148				
Phenol	0.747	0.101	"	1.01	ND	74.3	10-126				
Pyrene	0.717	0.101	"	1.01	ND	71.3	10-165				
Surrogate: SURR: 2-Fluorophenol	*1.52*		*"*	*2.01*		*75.8*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.61*		*"*	*2.01*		*79.9*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.889*		*"*	*1.01*		*88.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.690*		*"*	*1.01*		*68.6*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.56*		*"*	*2.01*		*77.4*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.947*		*"*	*1.01*		*94.2*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BE11511 - EPA 3546 SVOA

Matrix Spike Dup (BE11511-MSD1) *Source sample: 21E1136-01 (Matrix Spike Dup) Prepared: 05/28/2021 Analyzed: 06/01/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	0.622	0.101	mg/kg dry	1.01	ND	61.9	10-130		3.55	30	
1,2,4,5-Tetrachlorobenzene	0.609	0.201	"	1.01	ND	60.6	10-133		4.14	30	
1,2,4-Trichlorobenzene	0.635	0.101	"	1.01	ND	63.2	10-127		8.48	30	
1,2-Dichlorobenzene	0.624	0.101	"	1.01	ND	62.1	14-111		8.40	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.704	0.101	"	1.01	ND	70.0	10-144		3.81	30	
1,3-Dichlorobenzene	0.624	0.101	"	1.01	ND	62.1	11-111		1.41	30	
1,4-Dichlorobenzene	0.613	0.101	"	1.01	ND	61.0	10-106		5.86	30	
2,3,4,6-Tetrachlorophenol	0.864	0.201	"	1.01	ND	86.0	30-130		1.20	30	
2,4,5-Trichlorophenol	0.708	0.101	"	1.01	ND	70.5	10-127		10.1	30	
2,4,6-Trichlorophenol	0.684	0.101	"	1.01	ND	68.1	10-132		2.78	30	
2,4-Dichlorophenol	0.743	0.101	"	1.01	ND	73.9	10-128		2.56	30	
2,4-Dimethylphenol	0.699	0.101	"	1.01	ND	69.5	10-137		11.4	30	
2,4-Dinitrophenol	0.886	0.201	"	1.01	ND	88.2	10-171		11.1	30	
2,4-Dinitrotoluene	0.778	0.101	"	1.01	ND	77.4	16-135		6.50	30	
2,6-Dinitrotoluene	0.817	0.101	"	1.01	ND	81.3	18-131		3.39	30	
2-Chloronaphthalene	0.657	0.101	"	1.01	ND	65.4	10-129		0.488	30	
2-Chlorophenol	0.663	0.101	"	1.01	ND	66.0	15-116		10.5	30	
2-Methylnaphthalene	0.770	0.101	"	1.01	ND	76.6	10-147		7.15	30	
2-Methylphenol	0.717	0.101	"	1.01	ND	71.4	10-136		5.03	30	
2-Nitroaniline	0.759	0.201	"	1.01	ND	75.5	10-137		11.9	30	
2-Nitrophenol	0.826	0.101	"	1.01	ND	82.2	10-129		6.95	30	
3- & 4-Methylphenols	0.647	0.101	"	1.01	ND	64.3	10-123		7.31	30	
3,3-Dichlorobenzidine	0.214	0.101	"	1.01	ND	21.3	10-155		12.0	30	
3-Nitroaniline	0.709	0.201	"	1.01	ND	70.6	12-133		8.57	30	
4,6-Dinitro-2-methylphenol	0.737	0.201	"	1.01	ND	73.4	10-155		7.05	30	
4-Bromophenyl phenyl ether	0.626	0.101	"	1.01	ND	62.2	14-128		3.04	30	
4-Chloro-3-methylphenol	0.757	0.101	"	1.01	ND	75.3	10-134		8.64	30	
4-Chloroaniline	0.642	0.101	"	1.01	ND	63.8	10-145		6.78	30	
4-Chlorophenyl phenyl ether	0.628	0.101	"	1.01	ND	62.5	14-130		6.32	30	
4-Nitroaniline	0.643	0.201	"	1.01	ND	63.9	10-147		6.54	30	
4-Nitrophenol	0.819	0.201	"	1.01	ND	81.4	10-137		4.42	30	
Acenaphthene	0.647	0.101	"	1.01	ND	64.3	10-146		5.21	30	
Acenaphthylene	0.641	0.101	"	1.01	ND	63.8	10-134		5.61	30	
Acetophenone	0.648	0.101	"	1.01	ND	64.5	10-116		6.60	30	
Aniline	0.598	0.403	"	1.01	ND	59.5	10-123		9.48	30	
Anthracene	0.653	0.101	"	1.01	ND	65.0	10-142		7.13	30	
Atrazine	0.653	0.101	"	1.01	ND	65.0	19-115		1.47	30	
Benzaldehyde	0.629	0.101	"	1.01	ND	62.6	10-125		6.67	30	
Benzo(a)anthracene	0.664	0.101	"	1.01	ND	66.1	10-158		9.68	30	
Benzo(a)pyrene	0.708	0.101	"	1.01	ND	70.4	10-180		13.0	30	
Benzo(b)fluoranthene	0.688	0.101	"	1.01	ND	68.4	10-200		8.94	30	
Benzo(g,h,i)perylene	0.667	0.101	"	1.01	ND	66.4	10-138		10.3	30	
Benzo(k)fluoranthene	0.675	0.101	"	1.01	ND	67.2	10-197		10.5	30	
Benzoic acid	0.294	0.101	"	1.01	ND	29.2	10-166		0.274	30	
Benzyl alcohol	0.765	0.101	"	1.01	ND	76.1	12-124		3.31	30	
Benzyl butyl phthalate	0.658	0.101	"	1.01	ND	65.4	10-154		10.5	30	
Bis(2-chloroethoxy)methane	0.659	0.101	"	1.01	ND	65.6	10-132		4.65	30	
Bis(2-chloroethyl)ether	0.651	0.101	"	1.01	ND	64.8	10-119		11.1	30	
Bis(2-chloroisopropyl)ether	0.692	0.101	"	1.01	ND	68.8	10-139		9.63	30	
Bis(2-ethylhexyl)phthalate	0.663	0.101	"	1.01	ND	66.0	10-167		10.6	30	
Caprolactam	0.680	0.201	"	1.01	ND	67.6	10-132		13.4	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE11511 - EPA 3546 SVOA											
Matrix Spike Dup (BE11511-MSD1)	*Source sample: 21E1136-01 (Matrix Spike Dup)								Prepared: 05/28/2021 Analyzed: 06/01/2021		
Carbazole	0.673	0.101	mg/kg dry	1.01	ND	67.0	10-167		4.21	30	
Chrysene	0.708	0.101	"	1.01	ND	70.5	10-156		10.0	30	
Dibenzo(a,h)anthracene	0.634	0.101	"	1.01	ND	63.1	10-137		11.0	30	
Dibenzofuran	0.673	0.101	"	1.01	ND	67.0	10-147		4.44	30	
Diethyl phthalate	0.649	0.101	"	1.01	ND	64.6	20-120		6.94	30	
Dimethyl phthalate	0.630	0.101	"	1.01	ND	62.7	18-131		10.9	30	
Di-n-butyl phthalate	0.663	0.101	"	1.01	ND	66.0	10-137		2.40	30	
Di-n-octyl phthalate	0.704	0.101	"	1.01	ND	70.1	10-180		10.2	30	
Diphenylamine	0.820	0.201	"	1.01	ND	81.6	40-140		3.18	30	
Fluoranthene	0.672	0.101	"	1.01	ND	66.9	10-160		4.79	30	
Fluorene	0.654	0.101	"	1.01	ND	65.0	10-157		9.27	30	
Hexachlorobenzene	0.657	0.101	"	1.01	ND	65.4	10-137		10.0	30	
Hexachlorobutadiene	0.647	0.101	"	1.01	ND	64.4	10-132		3.06	30	
Hexachlorocyclopentadiene	0.565	0.101	"	1.01	ND	56.2	10-106		10.9	30	
Hexachloroethane	0.637	0.101	"	1.01	ND	63.4	10-110		3.47	30	
Indeno(1,2,3-cd)pyrene	0.638	0.101	"	1.01	ND	63.4	10-144		8.80	30	
Isophorone	0.695	0.101	"	1.01	ND	69.1	10-132		6.17	30	
Naphthalene	0.721	0.101	"	1.01	ND	71.7	10-141		5.01	30	
Nitrobenzene	0.739	0.101	"	1.01	ND	73.5	10-131		7.44	30	
N-Nitrosodimethylamine	0.621	0.101	"	1.01	ND	61.8	10-126		5.17	30	
N-nitroso-di-n-propylamine	0.630	0.101	"	1.01	ND	62.6	10-125		9.72	30	
N-Nitrosodiphenylamine	0.793	0.101	"	1.01	ND	78.9	10-177		3.88	30	
Pentachlorophenol	0.714	0.101	"	1.01	ND	71.0	10-153		2.01	30	
Phenanthrene	0.658	0.101	"	1.01	ND	65.4	10-148		3.84	30	
Phenol	0.696	0.101	"	1.01	ND	69.2	10-126		7.13	30	
Pyrene	0.659	0.101	"	1.01	ND	65.6	10-165		8.30	30	
Surrogate: SURR: 2-Fluorophenol	*1.49*		"	*2.01*		*73.9*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.47*		"	*2.01*		*73.2*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.811*		"	*1.01*		*80.6*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.636*		"	*1.01*		*63.3*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.41*		"	*2.01*		*70.0*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.860*		"	*1.01*		*85.5*	*24-116*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE11446 - EPA 3550C											
Blank (BE11446-BLK1)									Prepared: 05/27/2021 Analyzed: 06/01/2021		
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
Chlordane, total	ND	0.0329	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00822	"								
Toxaphene	ND	0.0832	"								
Surrogate: Decachlorobiphenyl	*0.0569*		*"*	*0.0664*		*85.7*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0336*		*"*	*0.0664*		*50.6*	*30-150*				
LCS (BE11446-BS1)									Prepared: 05/27/2021 Analyzed: 06/01/2021		
4,4'-DDD	0.0303	0.00164	mg/kg wet	0.0332		91.1	40-140				
4,4'-DDE	0.0170	0.00164	"	0.0332		51.3	40-140				
4,4'-DDT	0.0140	0.00164	"	0.0332		42.0	40-140				
Aldrin	0.0237	0.00164	"	0.0332		71.4	40-140				
alpha-BHC	0.0186	0.00164	"	0.0332		55.9	40-140				
alpha-Chlordane	0.0268	0.00164	"	0.0332		80.7	40-140				
beta-BHC	0.0259	0.00164	"	0.0332		78.1	40-140				
delta-BHC	0.0239	0.00164	"	0.0332		72.1	40-140				
Dieldrin	0.0274	0.00164	"	0.0332		82.6	40-140				
Endosulfan I	0.0365	0.00164	"	0.0332		110	40-140				
Endosulfan II	0.0302	0.00164	"	0.0332		90.8	40-140				
Endosulfan sulfate	0.0273	0.00164	"	0.0332		82.3	40-140				
Endrin	0.0208	0.00164	"	0.0332		62.5	40-140				
Endrin aldehyde	0.0293	0.00164	"	0.0332		88.2	40-140				
Endrin ketone	0.0302	0.00164	"	0.0332		90.9	40-140				
gamma-BHC (Lindane)	0.0204	0.00164	"	0.0332		61.5	40-140				
gamma-Chlordane	0.0265	0.00164	"	0.0332		79.8	40-140				
Heptachlor	0.0220	0.00164	"	0.0332		66.2	40-140				
Heptachlor epoxide	0.0260	0.00164	"	0.0332		78.3	40-140				
Methoxychlor	0.0134	0.00822	"	0.0332		40.2	40-140				
Surrogate: Decachlorobiphenyl	*0.0563*		*"*	*0.0664*		*84.7*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0402*		*"*	*0.0664*		*60.4*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE11446 - EPA 3550C											
Matrix Spike (BE11446-MS1)	*Source sample: 21E1108-01 (Matrix Spike)							Prepared: 05/27/2021 Analyzed: 06/01/2021			
4,4'-DDD	0.0277	0.00167	mg/kg dry	0.0337	ND	82.1	30-150				
4,4'-DDE	0.0213	0.00167	"	0.0337	ND	63.1	30-150				
4,4'-DDT	0.0204	0.00167	"	0.0337	ND	60.4	30-150				
Aldrin	0.0198	0.00167	"	0.0337	ND	58.6	30-150				
alpha-BHC	0.0222	0.00167	"	0.0337	ND	65.7	30-150				
alpha-Chlordane	0.0206	0.00167	"	0.0337	ND	60.9	30-150				
beta-BHC	0.0408	0.00167	"	0.0337	ND	121	30-150				
delta-BHC	0.0206	0.00167	"	0.0337	ND	61.0	30-150				
Dieldrin	0.0232	0.00167	"	0.0337	ND	68.9	30-150				
Endosulfan I	0.0234	0.00167	"	0.0337	ND	69.3	30-150				
Endosulfan II	0.0269	0.00167	"	0.0337	ND	79.6	30-150				
Endosulfan sulfate	0.0251	0.00167	"	0.0337	ND	74.5	30-150				
Endrin	0.0263	0.00167	"	0.0337	ND	78.0	30-150				
Endrin aldehyde	0.0191	0.00167	"	0.0337	ND	56.7	30-150				
Endrin ketone	0.0281	0.00167	"	0.0337	ND	83.3	30-150				
gamma-BHC (Lindane)	0.0203	0.00167	"	0.0337	ND	60.1	30-150				
gamma-Chlordane	0.0205	0.00167	"	0.0337	ND	60.7	30-150				
Heptachlor	0.0260	0.00167	"	0.0337	ND	77.0	30-150				
Heptachlor epoxide	0.0208	0.00167	"	0.0337	ND	61.7	30-150				
Methoxychlor	0.0262	0.00835	"	0.0337	ND	77.8	30-150				
Surrogate: Decachlorobiphenyl	*0.0574*		*"*	*0.0675*		*85.0*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0285*		*"*	*0.0675*		*42.3*	*30-150*				
Matrix Spike Dup (BE11446-MSD1)	*Source sample: 21E1108-01 (Matrix Spike Dup)							Prepared: 05/27/2021 Analyzed: 06/01/2021			
4,4'-DDD	0.0283	0.00167	mg/kg dry	0.0337	ND	83.8	30-150		2.03	30	
4,4'-DDE	0.0226	0.00167	"	0.0337	ND	67.0	30-150		5.97	30	
4,4'-DDT	0.0220	0.00167	"	0.0337	ND	65.3	30-150		7.71	30	
Aldrin	0.0249	0.00167	"	0.0337	ND	73.7	30-150		22.8	30	
alpha-BHC	0.0220	0.00167	"	0.0337	ND	65.3	30-150		0.634	30	
alpha-Chlordane	0.0243	0.00167	"	0.0337	ND	72.0	30-150		16.6	30	
beta-BHC	0.0296	0.00167	"	0.0337	ND	87.6	30-150		31.9	30	Non-dir.
delta-BHC	0.0220	0.00167	"	0.0337	ND	65.3	30-150		6.78	30	
Dieldrin	0.0243	0.00167	"	0.0337	ND	71.9	30-150		4.33	30	
Endosulfan I	0.0251	0.00167	"	0.0337	ND	74.5	30-150		7.21	30	
Endosulfan II	0.0272	0.00167	"	0.0337	ND	80.5	30-150		1.09	30	
Endosulfan sulfate	0.0262	0.00167	"	0.0337	ND	77.7	30-150		4.23	30	
Endrin	0.0300	0.00167	"	0.0337	ND	89.0	30-150		13.2	30	
Endrin aldehyde	0.0228	0.00167	"	0.0337	ND	67.6	30-150		17.5	30	
Endrin ketone	0.0279	0.00167	"	0.0337	ND	82.7	30-150		0.753	30	
gamma-BHC (Lindane)	0.0209	0.00167	"	0.0337	ND	62.0	30-150		3.11	30	
gamma-Chlordane	0.0258	0.00167	"	0.0337	ND	76.5	30-150		23.0	30	
Heptachlor	0.0273	0.00167	"	0.0337	ND	80.8	30-150		4.81	30	
Heptachlor epoxide	0.0219	0.00167	"	0.0337	ND	65.0	30-150		5.11	30	
Methoxychlor	0.0231	0.00835	"	0.0337	ND	68.6	30-150		12.5	30	
Surrogate: Decachlorobiphenyl	*0.0554*		*"*	*0.0675*		*82.0*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0285*		*"*	*0.0675*		*42.3*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch Y1D0212 - BC11630											
Performance Mix (Y1D0212-PEM1)								Prepared & Analyzed: 04/01/2021			
4,4'-DDD	10.7		ng/mL	0.00			0-200				
4,4'-DDE	0.811		"	0.00			0-200				
4,4'-DDT	247		"	200		123	0-200				
Endrin	129		"	100		129	0-200				
Endrin aldehyde	0.667		"	0.00			0-200				
Endrin ketone	2.54		"	0.00			0-200				
Batch Y1F0303 - BE11374											
Performance Mix (Y1F0303-PEM1)								Prepared & Analyzed: 06/02/2021			
4,4'-DDD	27.4		ng/mL	0.00			0-200				
4,4'-DDE	2.38		"	0.00			0-200				
4,4'-DDT	300		"	200		150	0-200				
Endrin	174		"	100		174	0-200				
Endrin aldehyde	4.48		"	0.00			0-200				
Endrin ketone	16.1		"	0.00			0-200				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE11446 - EPA 3550C											
Blank (BE11446-BLK2)								Prepared: 05/27/2021 Analyzed: 05/28/2021			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0349*		*"*	*0.0664*		*52.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0422*		*"*	*0.0664*		*63.5*	*30-140*				
LCS (BE11446-BS2)								Prepared: 05/27/2021 Analyzed: 05/28/2021			
Aroclor 1016	0.218	0.0166	mg/kg wet	0.332		65.7	40-130				
Aroclor 1260	0.256	0.0166	"	0.332		77.2	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0369*		*"*	*0.0664*		*55.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0419*		*"*	*0.0664*		*63.0*	*30-140*				
Matrix Spike (BE11446-MS2)	*Source sample: 21E1108-01 (Matrix Spike)							Prepared: 05/27/2021 Analyzed: 05/28/2021			
Aroclor 1016	0.246	0.0169	mg/kg dry	0.337	ND	72.8	40-140				
Aroclor 1260	0.274	0.0169	"	0.337	ND	81.2	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0513*		*"*	*0.0675*		*76.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0425*		*"*	*0.0675*		*63.0*	*30-140*				
Matrix Spike Dup (BE11446-MSD2)	*Source sample: 21E1108-01 (Matrix Spike Dup)							Prepared: 05/27/2021 Analyzed: 05/28/2021			
Aroclor 1016	0.211	0.0169	mg/kg dry	0.337	ND	62.6	40-140		15.2	50	
Aroclor 1260	0.237	0.0169	"	0.337	ND	70.2	40-140		14.5	50	
Surrogate: Tetrachloro-m-xylene	*0.0479*		*"*	*0.0675*		*71.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0381*		*"*	*0.0675*		*56.5*	*30-140*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch Y1F0116 - BE11318											
Aroclor Reference (Y1F0116-ARC1)									Prepared & Analyzed: 05/28/2021		
Surrogate: Tetrachloro-m-xylene	*0.225*		*ug/mL*	*0.200*		*112*					
Surrogate: Decachlorobiphenyl	*0.194*		*"*	*0.200*		*97.0*					

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE11425 - EPA 3050B											
Blank (BE11425-BLK1)											
Prepared: 05/27/2021 Analyzed: 05/28/2021											
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BE11425-DUP1)	*Source sample: 21E1178-01 (Duplicate)										
Prepared: 05/27/2021 Analyzed: 06/01/2021											
Aluminum	9890	5.53	mg/kg dry		9910				0.205	35	
Antimony	ND	2.77	"		ND					35	
Arsenic	2.71	1.66	"		2.63				2.99	35	
Barium	69.5	2.77	"		70.9				1.89	35	
Beryllium	ND	0.055	"		ND					35	
Cadmium	0.747	0.332	"		1.56				70.5	35	Non-dir.
Calcium	8220	5.53	"		15600				61.7	35	Non-dir.
Chromium	19.8	0.553	"		18.3				7.66	35	
Cobalt	7.76	0.443	"		8.19				5.34	35	
Copper	18.3	2.21	"		19.5				6.16	35	
Iron	15300	27.7	"		14400				5.81	35	
Lead	18.4	0.553	"		20.5				11.0	35	
Magnesium	5930	5.53	"		10300				53.6	35	Non-dir.
Manganese	269	0.553	"		277				3.11	35	
Nickel	15.6	1.11	"		14.5				7.34	35	
Potassium	1960	5.53	"		2010				2.45	35	
Selenium	ND	2.77	"		ND					35	
Silver	ND	0.553	"		ND					35	
Sodium	804	55.3	"		818				1.71	35	
Thallium	ND	2.77	"		ND					35	
Vanadium	28.0	1.11	"		30.4				8.45	35	
Zinc	39.7	2.77	"		40.5				1.93	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE11425 - EPA 3050B											
Matrix Spike (BE11425-MS1)	*Source sample: 21E1178-01 (Matrix Spike)							Prepared: 05/27/2021 Analyzed: 06/01/2021			
Aluminum	9990	5.53	mg/kg dry	221	9910	36.5	75-125	Low Bias			
Antimony	6.39	2.77	"	27.7	ND	23.1	75-125	Low Bias			
Arsenic	163	1.66	"	221	2.63	72.5	75-125	Low Bias			
Barium	247	2.77	"	221	70.9	79.5	75-125				
Beryllium	1.66	0.055	"	5.53	ND	30.0	75-125	Low Bias			
Cadmium	4.38	0.332	"	5.53	1.56	51.0	75-125	Low Bias			
Calcium	7060	5.53	"	111	15600	NR	75-125	Low Bias			
Chromium	37.3	0.553	"	22.1	18.3	86.0	75-125				
Cobalt	48.6	0.443	"	55.3	8.19	73.1	75-125	Low Bias			
Copper	42.8	2.21	"	27.7	19.5	84.3	75-125				
Iron	14500	27.7	"	111	14400	127	75-125	High Bias			
Lead	66.3	0.553	"	55.3	20.5	82.8	75-125				
Magnesium	6000	5.53	"	111	10300	NR	75-125	Low Bias			
Manganese	312	0.553	"	55.3	277	62.3	75-125	Low Bias			
Nickel	62.2	1.11	"	55.3	14.5	86.3	75-125				
Potassium	2240	5.53	"	111	2010	213	75-125	High Bias			
Selenium	145	2.77	"	221	ND	65.7	75-125	Low Bias			
Silver	0.977	0.553	"	5.53	ND	17.7	75-125	Low Bias			
Sodium	902	55.3	"	111	818	76.3	75-125				
Thallium	153	2.77	"	221	ND	69.0	75-125	Low Bias			
Vanadium	68.6	1.11	"	55.3	30.4	69.0	75-125	Low Bias			
Zinc	78.4	2.77	"	55.3	40.5	68.5	75-125	Low Bias			
Post Spike (BE11425-PS1)	*Source sample: 21E1178-01 (Post Spike)							Prepared: 05/27/2021 Analyzed: 06/01/2021			
Aluminum	90.5		ug/mL	2.00	89.5	46.1	75-125	Low Bias			
Antimony	0.209		"	0.250	0.021	75.2	75-125				
Arsenic	1.61		"	2.00	0.024	79.4	75-125				
Barium	2.35		"	2.00	0.640	85.3	75-125				
Beryllium	0.017		"	0.0500	-0.024	34.6	75-125	Low Bias			
Cadmium	0.041		"	0.0500	0.014	54.6	75-125	Low Bias			
Calcium	138		"	1.00	141	NR	75-125	Low Bias			
Chromium	0.325		"	0.200	0.166	79.6	75-125				
Cobalt	0.469		"	0.500	0.074	78.9	75-125				
Copper	0.387		"	0.250	0.176	84.4	75-125				
Iron	130		"	1.00	130	NR	75-125	Low Bias			
Lead	0.562		"	0.500	0.185	75.4	75-125				
Magnesium	91.0		"	1.00	92.8	NR	75-125	Low Bias			
Manganese	2.84		"	0.500	2.50	66.5	75-125	Low Bias			
Nickel	0.531		"	0.500	0.131	80.1	75-125				
Potassium	20.4		"	1.00	18.2	225	75-125	High Bias			
Selenium	1.46		"	2.00	-0.025	73.0	75-125	Low Bias			
Silver	0.035		"	0.0500	-0.007	69.5	75-125	Low Bias			
Sodium	8.18		"	1.00	7.39	79.3	75-125				
Thallium	1.48		"	2.00	-0.022	74.2	75-125	Low Bias			
Vanadium	0.677		"	0.500	0.275	80.5	75-125				
Zinc	0.727		"	0.500	0.366	72.2	75-125	Low Bias			

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE11425 - EPA 3050B											
Reference (BE11425-SRM1)											Prepared: 05/27/2021 Analyzed: 05/28/2021
Aluminum	8020	5.00	mg/kg wet	8190		97.9	50.5-150.1				
Antimony	61.4	2.50	"	110		55.8	19-251.7				
Arsenic	137	1.50	"	162		84.5	70.1-129.8				
Barium	125	2.50	"	138		90.5	75-125				
Beryllium	135	0.050	"	157		85.7	75-125.2				
Cadmium	114	0.300	"	135		84.7	74.8-125.2				
Calcium	4110	5.00	"	4790		85.8	72.7-127.5				
Chromium	99.3	0.500	"	117		84.9	70.1-129.9				
Cobalt	83.8	0.400	"	92.6		90.5	75-125				
Copper	134	2.00	"	143		93.5	75.3-125.3				
Iron	13400	25.0	"	15100		88.8	35.8-164.6				
Lead	62.5	0.500	"	77.6		80.5	70-130				
Magnesium	2150	5.00	"	2320		92.7	61.7-137.8				
Manganese	328	0.500	"	319		103	78.1-122				
Nickel	76.4	1.00	"	79.9		95.6	70.1-130.1				
Potassium	1940	5.00	"	2050		94.6	59.1-140.9				
Selenium	124	2.50	"	172		72.1	55.7-144.5				
Silver	20.5	0.500	"	24.7		82.9	69.2-130.8				
Sodium	136	50.0	"	137		98.9	36.1-163.3				
Thallium	71.4	2.50	"	88.0		81.2	65.3-146.8				
Vanadium	86.4	1.00	"	99.9		86.4	67-133.1				
Zinc	260	2.50	"	312		83.4	69.9-130.1				
Batch BE11518 - EPA 3050B											
Blank (BE11518-BLK1)											Prepared: 05/28/2021 Analyzed: 06/02/2021
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	15.9	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE11518 - EPA 3050B											
Duplicate (BE11518-DUP1)	*Source sample: 21E1233-01 (Duplicate)								Prepared: 05/28/2021 Analyzed: 06/02/2021		
Aluminum	15800	5.49	mg/kg dry		18700				16.5	35	
Antimony	ND	2.75	"		ND					35	
Arsenic	1.87	1.65	"		2.36				22.9	35	
Barium	157	2.75	"		188				18.1	35	
Beryllium	ND	0.055	"		ND					35	
Cadmium	0.505	0.329	"		0.593				16.0	35	
Calcium	2550	5.49	"		3100				19.2	35	
Chromium	35.9	0.549	"		45.6				23.7	35	
Cobalt	18.1	0.439	"		20.3				11.5	35	
Copper	27.8	2.20	"		31.3				11.8	35	
Iron	28100	27.5	"		31900				12.8	35	
Lead	15.6	0.549	"		15.6				0.211	35	
Magnesium	7480	5.49	"		9070				19.1	35	
Manganese	338	0.549	"		415				20.6	35	
Nickel	32.9	1.10	"		37.0				11.7	35	
Potassium	7870	5.49	"		9120				14.7	35	
Selenium	ND	2.75	"		ND					35	
Silver	ND	0.549	"		ND					35	
Sodium	125	54.9	"		151				18.9	35	
Thallium	ND	2.75	"		ND					35	
Vanadium	38.2	1.10	"		45.3				17.1	35	
Zinc	66.5	2.75	"		183				93.5	35	Non-dir.
Matrix Spike (BE11518-MS1)	*Source sample: 21E1233-01 (Matrix Spike)								Prepared: 05/28/2021 Analyzed: 06/02/2021		
Aluminum	17400	5.49	mg/kg dry	220	18700	NR	75-125	Low Bias			
Antimony	ND	2.75	"	27.5	ND		75-125	Low Bias			
Arsenic	216	1.65	"	220	2.36	97.4	75-125				
Barium	402	2.75	"	220	188	97.2	75-125				
Beryllium	ND	0.055	"	5.49	ND		75-125	Low Bias			
Cadmium	6.03	0.329	"	5.49	0.593	99.1	75-125				
Calcium	3400	5.49	"	110	3100	276	75-125	High Bias			
Chromium	62.3	0.549	"	22.0	45.6	76.1	75-125				
Cobalt	75.9	0.439	"	54.9	20.3	101	75-125				
Copper	59.4	2.20	"	27.5	31.3	103	75-125				
Iron	30300	27.5	"	110	31900	NR	75-125	Low Bias			
Lead	71.9	0.549	"	54.9	15.6	103	75-125				
Magnesium	8390	5.49	"	110	9070	NR	75-125	Low Bias			
Manganese	443	0.549	"	54.9	415	49.5	75-125	Low Bias			
Nickel	92.9	1.10	"	54.9	37.0	102	75-125				
Potassium	8380	5.49	"	110	9120	NR	75-125	Low Bias			
Selenium	177	2.75	"	220	ND	80.5	75-125				
Silver	ND	0.549	"	5.49	ND		75-125	Low Bias			
Sodium	199	54.9	"	110	151	44.1	75-125	Low Bias			
Thallium	201	2.75	"	220	ND	91.6	75-125				
Vanadium	95.3	1.10	"	54.9	45.3	91.0	75-125				
Zinc	124	2.75	"	54.9	183	NR	75-125	Low Bias			

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE11518 - EPA 3050B											
Post Spike (BE11518-PS1)	*Source sample: 21E1233-01 (Post Spike)								Prepared: 05/28/2021 Analyzed: 06/02/2021		
Aluminum	184		ug/mL	2.00	170	713	75-125	High Bias			
Antimony	0.217		"	0.250	-0.059	87.0	75-125				
Arsenic	2.20		"	2.00	0.021	109	75-125				
Barium	4.03		"	2.00	1.71	116	75-125				
Beryllium	-0.006		"	0.0500	-0.056		75-125	Low Bias			
Cadmium	0.060		"	0.0500	0.005	110	75-125				
Calcium	31.2		"	1.00	28.2	305	75-125	High Bias			
Chromium	0.645		"	0.200	0.415	115	75-125				
Cobalt	0.759		"	0.500	0.185	115	75-125				
Copper	0.570		"	0.250	0.285	114	75-125				
Iron	311		"	1.00	290	NR	75-125	High Bias			
Lead	0.699		"	0.500	0.142	111	75-125				
Magnesium	89.5		"	1.00	82.5	696	75-125	High Bias			
Manganese	4.52		"	0.500	3.78	147	75-125	High Bias			
Nickel	0.918		"	0.500	0.337	116	75-125				
Potassium	90.0		"	1.00	83.0	704	75-125	High Bias			
Selenium	1.78		"	2.00	-0.187	88.9	75-125				
Silver	-0.040		"	0.0500	-0.090		75-125	Low Bias			
Sodium	2.39		"	1.00	1.38	101	75-125				
Thallium	2.00		"	2.00	-0.127	99.8	75-125				
Vanadium	0.958		"	0.500	0.412	109	75-125				
Zinc	2.26		"	0.500	1.67	118	75-125				
Reference (BE11518-SRM1)									Prepared: 05/28/2021 Analyzed: 06/02/2021		
Aluminum	8490	5.00	mg/kg wet	8190		104	50.5-150.1				
Antimony	59.6	2.50	"	110		54.2	19-251.7				
Arsenic	150	1.50	"	162		92.8	70.1-129.8				
Barium	133	2.50	"	138		96.4	75-125				
Beryllium	149	0.050	"	157		95.0	75-125.2				
Cadmium	131	0.300	"	135		97.0	74.8-125.2				
Calcium	4600	5.00	"	4790		96.1	72.7-127.5				
Chromium	109	0.500	"	117		92.8	70.1-129.9				
Cobalt	96.9	0.400	"	92.6		105	75-125				
Copper	133	2.00	"	143		92.8	75.3-125.3				
Iron	12900	25.0	"	15100		85.2	35.8-164.6				
Lead	70.3	0.500	"	77.6		90.5	70-130				
Magnesium	2300	5.00	"	2320		99.0	61.7-137.8				
Manganese	321	0.500	"	319		101	78.1-122				
Nickel	89.1	1.00	"	79.9		111	70.1-130.1				
Potassium	2130	5.00	"	2050		104	59.1-140.9				
Selenium	139	2.50	"	172		80.8	55.7-144.5				
Silver	21.0	0.500	"	24.7		85.0	69.2-130.8				
Sodium	62.0	50.0	"	137		45.2	36.1-163.3				
Thallium	83.6	2.50	"	88.0		95.0	65.3-146.8				
Vanadium	87.7	1.00	"	99.9		87.8	67-133.1				
Zinc	285	2.50	"	312		91.4	69.9-130.1				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF10015 - EPA 7473 soil											
Blank (BF10015-BLK1)								Prepared & Analyzed: 06/01/2021			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BF10015-DUP1)	*Source sample: 21E1261-05 (Duplicate)							Prepared & Analyzed: 06/01/2021			
Mercury	ND	0.0302	mg/kg dry		ND					35	
Matrix Spike (BF10015-MS1)	*Source sample: 21E1261-05 (Matrix Spike)							Prepared & Analyzed: 06/01/2021			
Mercury	0.452		mg/kg	0.500	0.00640	89.1	75-125				
Reference (BF10015-SRM1)								Prepared & Analyzed: 06/01/2021			
Mercury	33.327		mg/kg	27.2		123	59.9-140.1				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE11384 - % Solids Prep											
Duplicate (BE11384-DUP1)	*Source sample: 21E1174-04 (Duplicate)							Prepared & Analyzed: 05/27/2021			
% Solids	92.5	0.100	%		91.4				1.10	20	
Batch BE11385 - % Solids Prep											
Duplicate (BE11385-DUP1)	*Source sample: 21E1163-02 (Duplicate)							Prepared & Analyzed: 05/27/2021			
% Solids	91.3	0.100	%		91.7				0.514	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21E1155-10	SB-03 6	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
21E1155-23	TB-2021 05 25	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

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-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-CRL	The RL check for this element recovered outside of control limits.
M-CCV1	The recovery for this element in the Continuing Calibration Verification (CCV) exceeded 110% of the expected value. Positive detections may be biased high.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
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.
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
CCV-E	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).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

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.

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www.yorklab.com

Field Chain-of-Custody Record

NOTE: 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. 21E1155

YOUR Information	Report To:	Invoice To:
Company: GBTS	Company: SAME	Company: SAME
Address: 22 IBM Road, Suite 01 Poughkeepsie NY	Address:	Address:
Phone: (845) 452 1058	Phone.:	Phone.:
Contact: Erick Salazar	Contact:	Contact: Brenda Wells
E-mail:	E-mail:	E-mail:

YOUR Project Number: 21003-0067

YOUR Project Name: 21003-0067

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

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.

Samples Collected by: (print your name above and sign below) Erick Salazar

Matrix Codes

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

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other	

Report / EDD Type (circle selections)

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

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)
NY Part 375 RRU SCOs

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB-01 8-10	S	5/25/2021	SVOCs (8270); TAL Metals; Pest	1x 8oz jar
SB-02 5-10			TAL Metals; Pest	
SB-04 0-2				
SB-05 0-5				
SB-06 0-1				
SB-07 0-1				
SB-08 0-1				
SB-09 0-1				
SB-03 5-7			SVOCs (8270); PCBs	
SB-03 6			VOCs (8260)	1x terracore kit

Comments:

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
GBTS	5/26/21 1315	Austen Arameo	5/26/21 1:15	Austen Arameo	5/26/21 1638
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
					5/26/21 1638 / 3.9 Degrees C

York Analytical Laboratories, Inc.
120 Research Drive Stratford, CT 06615
132-02 89th Ave Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

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YORK Project No. 21E1155

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: GBTS	Company:	Company:	21003-0067	RUSH - Next Day
Address: 22 IBM Road Suite 101 Poughkeepsie NY	Address:	Address:	YOUR Project Name	RUSH - Two Day
Phone.:	Phone.:	Phone.:	21003 - 0067	RUSH - Three Day
Contact: Erick Salazar	Contact:	Contact:		RUSH - Four Day
E-mail:	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

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.

Erick Salazar

Samples Collected by: (print your name above and sign below)

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

Samples From
New York X
New Jersey
Connecticut
Pennsylvania
Other

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

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)
NY Part 375
RRU SCOs

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB-01 0-5	S	5/25/2021	HOLD	1x 8oz jar
SB-01 13-15				
SB-02 0-5				
SB-03 10-12				
SB-01 5				1x terracore kit
SB-01 8				
SB-01 15				
SB-02 5				
SB-02 6				
SB-03 12				

Comments:

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: _____

Special Instruction
Field Filtered ____
Lab to Filter ____

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
[illegible]/GBTS	5/26/21 1335	Austen Aranes	5/24/21 1:15	Austen Aranes	5/26/21 1638
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				[signature]	5/26/21 1638 / 3.9

York Analytical Laboratories, Inc.
120 Research Drive Stratford, CT 06615
132-02 89th Ave Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

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YORK Project No. 21E11155

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: GBTS	Company: Same	Company: Same	21003-0067	RUSH - Next Day
Address: 22 13th Road Suite 101 Poughkeepsie NY	Address:	Address:	YOUR Project Name: 21003-0067	RUSH - Two Day
Phone.:	Phone.:	Phone.:		RUSH - Three Day
Contact: Erick Salazar	Contact:	Contact: Brenda		RUSH - Four Day
E-mail:	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

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.

Erick Salazar
Samples Collected by: (print your name above and sign below)

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

Samples From
New York X
New Jersey
Connecticut
Pennsylvania
Other

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

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)
NY Part 375
Rec SCOs

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB-04 2	S	5/25/2021	40CD	1x terra core kit
SB-05 3	↓	↓	↓	↓
TB-20210525	DI Water	↓	VOCs	2x 40ml HCl vials

Comments:

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
[illegible] / GBTS	5/26/21 1315	Austen Aranco	5/26/21 1:15	Austen Aranco	5/26/21 1638
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				[signature]	5/26/21 3.9

Technical Report

prepared for:

Gallagher Bassett - Poughkeepsie, NY
22 IBM Road, Suite 101
Poughkeepsie NY, 12601
Attention: Richard Hooker

Report Date: 12/28/2021
Client Project ID: 21003-0067
York Project (SDG) No.: 21L1080

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: 12/28/2021
Client Project ID: 21003-0067
York Project (SDG) No.: 21L1080

Gallagher Bassett - Poughkeepsie, NY
22 IBM Road, Suite 101
Poughkeepsie NY, 12601
Attention: Richard Hooker

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 December 20, 2021 and listed below. The project was identified as your project: **21003-0067**.

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
21L1080-01	2SS-01	Soil	12/18/2021	12/20/2021
21L1080-02	2SS-02	Soil	12/18/2021	12/20/2021
21L1080-03	2SS-03	Soil	12/18/2021	12/20/2021
21L1080-04	2SS-04	Soil	12/18/2021	12/20/2021
21L1080-05	2SS-05	Soil	12/18/2021	12/20/2021
21L1080-06	2SS-06	Soil	12/18/2021	12/20/2021
21L1080-07	2SS-07	Soil	12/18/2021	12/20/2021
21L1080-08	2SS-08	Soil	12/18/2021	12/20/2021
21L1080-09	2SS-09	Soil	12/18/2021	12/20/2021
21L1080-10	2SS-10	Soil	12/18/2021	12/20/2021
21L1080-11	2SS-11	Soil	12/18/2021	12/20/2021
21L1080-12	2SS-12	Soil	12/18/2021	12/20/2021
21L1080-13	2SS-13	Soil	12/18/2021	12/20/2021
21L1080-14	2SS-14	Soil	12/18/2021	12/20/2021

General Notes for York Project (SDG) No.: 21L1080

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:** 12/28/2021

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: 2SS-01 **York Sample ID:** 21L1080-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1080	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

Barium by EPA 6010

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
7440-39-3	**Barium**	**177**		mg/kg dry	3.20	1	EPA 6010D	12/23/2021 15:21	12/27/2021 14:01	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Lead by EPA 6010

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
7439-92-1	**Lead**	**458**		mg/kg dry	0.640	1	EPA 6010D	12/23/2021 15:21	12/27/2021 14:01	RTH
							Certifications:	CTDOH,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**	**0.265**		mg/kg dry	0.0384	1	EPA 7473	12/27/2021 15:21	12/27/2021 20:19	KT
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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**	**78.2**		%	0.100	1	SM 2540G	12/28/2021 10:03	12/28/2021 15:45	TJA
							Certifications:	CTDOH		

Sample Information

Client Sample ID: 2SS-02 **York Sample ID:** 21L1080-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1080	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

Barium by EPA 6010

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
7440-39-3	**Barium**	**234**		mg/kg dry	3.27	1	EPA 6010D	12/23/2021 15:21	12/27/2021 14:03	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Lead by EPA 6010

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

Sample Information

Client Sample ID: 2SS-02 **York Sample ID:** 21L1080-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1080	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

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
7439-92-1	**Lead**	**616**		mg/kg dry	0.654	1	EPA 6010D	12/23/2021 15:21	12/27/2021 14:03	RTH
							Certifications:	CTDOH,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**	**0.324**		mg/kg dry	0.0393	1	EPA 7473	12/27/2021 15:21	12/27/2021 20:28	KT
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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**	**76.4**		%	0.100	1	SM 2540G	12/28/2021 10:03	12/28/2021 15:45	TJA
							Certifications:	CTDOH		

Sample Information

Client Sample ID: 2SS-03 **York Sample ID:** 21L1080-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1080	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

Barium by EPA 6010 **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
7440-39-3	**Barium**	**273**		mg/kg dry	3.19	1	EPA 6010D	12/23/2021 15:21	12/27/2021 14:16	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Lead by EPA 6010 **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
7439-92-1	**Lead**	**997**		mg/kg dry	0.638	1	EPA 6010D	12/23/2021 15:21	12/27/2021 14:16	RTH
							Certifications:	CTDOH,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

Sample Information

Client Sample ID: 2SS-03 **York Sample ID:** 21L1080-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1080	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

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**	**0.423**		mg/kg dry	0.0383	1	EPA 7473	12/27/2021 15:21	12/27/2021 20:37	KT
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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**	**78.3**		%	0.100	1	SM 2540G	12/28/2021 10:03	12/28/2021 15:45	TJA
							Certifications:	CTDOH		

Sample Information

Client Sample ID: 2SS-04 **York Sample ID:** 21L1080-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1080	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

Barium by EPA 6010

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
7440-39-3	**Barium**	**557**		mg/kg dry	3.20	1	EPA 6010D	12/23/2021 15:26	12/28/2021 10:39	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Lead by EPA 6010

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
7439-92-1	**Lead**	**1590**		mg/kg dry	0.640	1	EPA 6010D	12/23/2021 15:26	12/28/2021 10:39	RTH
							Certifications:	CTDOH,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**	**0.517**		mg/kg dry	0.0384	1	EPA 7473	12/27/2021 15:21	12/27/2021 20:46	KT
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 2SS-04 **York Sample ID:** 21L1080-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1080	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

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**	**78.1**		%	0.100	1	SM 2540G	12/28/2021 10:03	12/28/2021 15:45	TJA
							Certifications: CTDOH			

Sample Information

Client Sample ID: 2SS-05 **York Sample ID:** 21L1080-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1080	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

Barium by EPA 6010

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
7440-39-3	**Barium**	**358**		mg/kg dry	3.17	1	EPA 6010D	12/23/2021 15:26	12/28/2021 10:41	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Lead by EPA 6010

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
7439-92-1	**Lead**	**2480**		mg/kg dry	0.635	1	EPA 6010D	12/23/2021 15:26	12/28/2021 10:41	RTH
							Certifications: CTDOH,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**	**0.741**		mg/kg dry	0.0381	1	EPA 7473	12/27/2021 15:21	12/27/2021 21:23	KT
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

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**	**78.8**		%	0.100	1	SM 2540G	12/28/2021 10:03	12/28/2021 15:45	TJA
							Certifications: CTDOH			

Sample Information

Client Sample ID: 2SS-06 **York Sample ID:** 21L1080-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1080	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

Barium by EPA 6010

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
7440-39-3	**Barium**	**925**		mg/kg dry	3.42	1	EPA 6010D	12/23/2021 15:26	12/28/2021 10:44	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Lead by EPA 6010

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
7439-92-1	**Lead**	**2720**		mg/kg dry	0.684	1	EPA 6010D	12/23/2021 15:26	12/28/2021 10:44	RTH
							Certifications: CTDOH,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**	**4.62**		mg/kg dry	0.0410	1	EPA 7473	12/27/2021 15:21	12/27/2021 21:34	KT
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

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**	**73.1**		%	0.100	1	SM 2540G	12/28/2021 10:03	12/28/2021 15:45	TJA
							Certifications: CTDOH			

Sample Information

Client Sample ID: 2SS-07 **York Sample ID:** 21L1080-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1080	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

Barium by EPA 6010

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
7440-39-3	**Barium**	**789**		mg/kg dry	2.86	1	EPA 6010D	12/23/2021 15:26	12/28/2021 10:47	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: 2SS-07 **York Sample ID:** 21L1080-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1080	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

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
7439-92-1	**Lead**	**10600**		mg/kg dry	0.572	1	EPA 6010D	12/23/2021 15:26	12/28/2021 10:47	RTH
							Certifications:	CTDOH,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**	**1.04**		mg/kg dry	0.0343	1	EPA 7473	12/27/2021 15:21	12/27/2021 21:47	KT
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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**	**87.4**		%	0.100	1	SM 2540G	12/28/2021 10:03	12/28/2021 15:45	TJA
							Certifications:	CTDOH		

Sample Information

Client Sample ID: 2SS-08 **York Sample ID:** 21L1080-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1080	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

Barium by EPA 6010 **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
7440-39-3	**Barium**	**621**		mg/kg dry	2.75	1	EPA 6010D	12/23/2021 15:26	12/28/2021 10:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Lead by EPA 6010 **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
7439-92-1	**Lead**	**1080**		mg/kg dry	0.550	1	EPA 6010D	12/23/2021 15:26	12/28/2021 10:49	RTH
							Certifications:	CTDOH,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

Sample Information

Client Sample ID: 2SS-08 **York Sample ID:** 21L1080-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1080	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

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**	**0.519**		mg/kg dry	0.0330	1	EPA 7473	12/27/2021 15:21	12/27/2021 21:59	KT
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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**	**90.9**		%	0.100	1	SM 2540G	12/28/2021 10:03	12/28/2021 15:45	TJA
							Certifications:	CTDOH		

Sample Information

Client Sample ID: 2SS-09 **York Sample ID:** 21L1080-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1080	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

Barium by EPA 6010

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
7440-39-3	**Barium**	**130**		mg/kg dry	3.36	1	EPA 6010D	12/23/2021 15:26	12/28/2021 10:52	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Lead by EPA 6010

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
7439-92-1	**Lead**	**348**		mg/kg dry	0.672	1	EPA 6010D	12/23/2021 15:26	12/28/2021 10:52	RTH
							Certifications:	CTDOH,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**	**0.358**		mg/kg dry	0.0403	1	EPA 7473	12/27/2021 15:21	12/27/2021 22:12	KT
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 2SS-09 **York Sample ID:** 21L1080-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1080	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

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**	**74.4**		%	0.100	1	SM 2540G	12/28/2021 10:03	12/28/2021 15:45	TJA
							Certifications: CTDOH			

Sample Information

Client Sample ID: 2SS-10 **York Sample ID:** 21L1080-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1080	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

Barium by EPA 6010

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
7440-39-3	**Barium**	**479**		mg/kg dry	3.56	1	EPA 6010D	12/23/2021 15:26	12/28/2021 10:54	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Lead by EPA 6010

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
7439-92-1	**Lead**	**786**		mg/kg dry	0.712	1	EPA 6010D	12/23/2021 15:26	12/28/2021 10:54	RTH
							Certifications: CTDOH,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**	**0.607**		mg/kg dry	0.0427	1	EPA 7473	12/28/2021 09:40	12/28/2021 11:28	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

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**	**70.2**		%	0.100	1	SM 2540G	12/28/2021 10:03	12/28/2021 15:45	TJA
							Certifications: CTDOH			

Sample Information

Client Sample ID: 2SS-11 **York Sample ID:** 21L1080-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1080	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

Barium by EPA 6010

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
7440-39-3	**Barium**	**107**		mg/kg dry	3.45	1	EPA 6010D	12/23/2021 15:26	12/28/2021 10:57	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Lead by EPA 6010

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
7439-92-1	**Lead**	**198**		mg/kg dry	0.690	1	EPA 6010D	12/23/2021 15:26	12/28/2021 10:57	RTH
							Certifications: CTDOH,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**	**0.163**		mg/kg dry	0.0414	1	EPA 7473	12/28/2021 09:40	12/28/2021 12:10	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

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**	**72.4**		%	0.100	1	SM 2540G	12/28/2021 10:03	12/28/2021 15:45	TJA
							Certifications: CTDOH			

Sample Information

Client Sample ID: 2SS-12 **York Sample ID:** 21L1080-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1080	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

Barium by EPA 6010

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
7440-39-3	**Barium**	**110**		mg/kg dry	2.88	1	EPA 6010D	12/23/2021 15:26	12/28/2021 11:06	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Lead by EPA 6010

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

Sample Information

Client Sample ID: 2SS-12 **York Sample ID:** 21L1080-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1080	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

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
7439-92-1	**Lead**	**252**		mg/kg dry	0.576	1	EPA 6010D	12/23/2021 15:26	12/28/2021 11:06	RTH
							Certifications:	CTDOH,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**	**0.319**		mg/kg dry	0.0346	1	EPA 7473	12/28/2021 09:40	12/28/2021 12:18	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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**	**86.8**		%	0.100	1	SM 2540G	12/28/2021 10:03	12/28/2021 15:45	TJA
							Certifications:	CTDOH		

Sample Information

Client Sample ID: 2SS-13 **York Sample ID:** 21L1080-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1080	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

Barium by EPA 6010 **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
7440-39-3	**Barium**	**142**		mg/kg dry	3.30	1	EPA 6010D	12/23/2021 15:26	12/28/2021 11:08	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Lead by EPA 6010 **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
7439-92-1	**Lead**	**151**		mg/kg dry	0.660	1	EPA 6010D	12/23/2021 15:26	12/28/2021 11:08	RTH
							Certifications:	CTDOH,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

Sample Information

Client Sample ID: 2SS-13 **York Sample ID:** 21L1080-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1080	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

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**	**0.189**		mg/kg dry	0.0396	1	EPA 7473	12/28/2021 09:40	12/28/2021 12:26	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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**	**75.8**		%	0.100	1	SM 2540G	12/28/2021 10:03	12/28/2021 15:45	TJA
							Certifications:	CTDOH		

Sample Information

Client Sample ID: 2SS-14 **York Sample ID:** 21L1080-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1080	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

Barium by EPA 6010

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
7440-39-3	**Barium**	**327**		mg/kg dry	3.65	1	EPA 6010D	12/23/2021 15:26	12/28/2021 11:11	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Lead by EPA 6010

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
7439-92-1	**Lead**	**456**		mg/kg dry	0.730	1	EPA 6010D	12/23/2021 15:26	12/28/2021 11:11	RTH
							Certifications:	CTDOH,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**	**0.521**		mg/kg dry	0.0438	1	EPA 7473	12/28/2021 09:40	12/28/2021 12:35	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 2SS-14 **York Sample ID:** 21L1080-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1080	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

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	68.5		%	0.100	1	SM 2540G Certifications: CTDOH	12/28/2021 10:04	12/28/2021 15:52	TJA

Analytical Batch Summary

Batch ID: BL12758 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L1080-01	2SS-01	12/23/21
21L1080-02	2SS-02	12/23/21
21L1080-03	2SS-03	12/23/21
BL12758-BLK1	Blank	12/23/21
BL12758-DUP1	Duplicate	12/23/21
BL12758-MS1	Matrix Spike	12/23/21
BL12758-PS1	Post Spike	12/23/21
BL12758-SRM1	Reference	12/23/21

Batch ID: BL12759 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L1080-04	2SS-04	12/23/21
21L1080-05	2SS-05	12/23/21
21L1080-06	2SS-06	12/23/21
21L1080-07	2SS-07	12/23/21
21L1080-08	2SS-08	12/23/21
21L1080-09	2SS-09	12/23/21
21L1080-10	2SS-10	12/23/21
21L1080-11	2SS-11	12/23/21
21L1080-12	2SS-12	12/23/21
21L1080-13	2SS-13	12/23/21
21L1080-14	2SS-14	12/23/21
BL12759-BLK1	Blank	12/23/21
BL12759-DUP1	Duplicate	12/23/21
BL12759-MS1	Matrix Spike	12/23/21
BL12759-PS1	Post Spike	12/23/21
BL12759-SRM1	Reference	12/23/21

Batch ID: BL12840 **Preparation Method:** EPA 7473 soil **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L1080-01	2SS-01	12/27/21
21L1080-02	2SS-02	12/27/21
21L1080-03	2SS-03	12/27/21
21L1080-04	2SS-04	12/27/21
21L1080-05	2SS-05	12/27/21
21L1080-06	2SS-06	12/27/21
21L1080-07	2SS-07	12/27/21
21L1080-08	2SS-08	12/27/21
21L1080-09	2SS-09	12/27/21
BL12840-BLK1	Blank	12/27/21
BL12840-DUP1	Duplicate	12/27/21
BL12840-MS1	Matrix Spike	12/27/21
BL12840-SRM1	Reference	12/27/21

Batch ID: BL12878 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21L1080-10	2SS-10	12/28/21
21L1080-11	2SS-11	12/28/21
21L1080-12	2SS-12	12/28/21
21L1080-13	2SS-13	12/28/21
21L1080-14	2SS-14	12/28/21
BL12878-BLK1	Blank	12/28/21
BL12878-DUP1	Duplicate	12/28/21
BL12878-MS1	Matrix Spike	12/28/21
BL12878-SRM1	Reference	12/28/21

Batch ID: BL12885 **Preparation Method:** % Solids Prep **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
21L1080-01	2SS-01	12/28/21
21L1080-02	2SS-02	12/28/21
21L1080-03	2SS-03	12/28/21
21L1080-04	2SS-04	12/28/21
21L1080-05	2SS-05	12/28/21
21L1080-06	2SS-06	12/28/21
21L1080-07	2SS-07	12/28/21
21L1080-08	2SS-08	12/28/21
21L1080-09	2SS-09	12/28/21
21L1080-10	2SS-10	12/28/21
21L1080-11	2SS-11	12/28/21
21L1080-12	2SS-12	12/28/21
21L1080-13	2SS-13	12/28/21
BL12885-DUP1	Duplicate	12/28/21

Batch ID: BL12886 **Preparation Method:** % Solids Prep **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
21L1080-14	2SS-14	12/28/21
BL12886-DUP1	Duplicate	12/28/21

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12758 - EPA 3050B											
Blank (BL12758-BLK1)								Prepared: 12/23/2021 Analyzed: 12/27/2021			
Barium	ND	2.50	mg/kg wet								
Lead	ND	0.500	"								
Duplicate (BL12758-DUP1)	*Source sample: 21L1317-06 (Duplicate)							Prepared: 12/23/2021 Analyzed: 12/27/2021			
Barium	47.1	2.99	mg/kg dry		64.7				31.6	35	
Lead	25.7	0.597	"		9.76				90.0	35	Non-dir.
Matrix Spike (BL12758-MS1)	*Source sample: 21L1317-06 (Matrix Spike)							Prepared: 12/23/2021 Analyzed: 12/27/2021			
Barium	328	2.99	mg/kg dry	239	64.7	110	75-125				
Lead	79.3	0.597	"	59.7	9.76	116	75-125				
Post Spike (BL12758-PS1)	*Source sample: 21L1317-06 (Post Spike)							Prepared: 12/23/2021 Analyzed: 12/27/2021			
Barium	2.96		ug/mL	2.00	0.542	121	75-125				
Lead	0.674		"	0.500	0.0817	118	75-125				
Reference (BL12758-SRM1)								Prepared: 12/23/2021 Analyzed: 12/27/2021			
Barium	248	2.50	mg/kg wet	239		104	74.9-124.7				
Lead	126	0.500	"	130		96.9	71.8-128.5				
Batch BL12759 - EPA 3050B											
Blank (BL12759-BLK1)								Prepared: 12/23/2021 Analyzed: 12/28/2021			
Barium	ND	2.50	mg/kg wet								
Lead	ND	0.500	"								
Duplicate (BL12759-DUP1)	*Source sample: 21L1133-04 (Duplicate)							Prepared: 12/23/2021 Analyzed: 12/28/2021			
Barium	565	2.50	mg/kg wet		719				24.0	35	
Lead	935	0.500	"		2260				83.1	35	Non-dir.

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12759 - EPA 3050B											
Matrix Spike (BL12759-MS1)	*Source sample: 21L1133-04 (Matrix Spike)								Prepared: 12/23/2021 Analyzed: 12/28/2021		
Barium	965	2.50	mg/kg wet	200	719	123	75-125				
Lead	2510	0.500	"	50.0	2260	492	75-125	High Bias			
Post Spike (BL12759-PS1)	*Source sample: 21L1133-04 (Post Spike)								Prepared: 12/23/2021 Analyzed: 12/28/2021		
Barium	9.02		ug/mL	2.00	7.19	91.7	75-125				
Lead	22.4		"	0.500	22.6	NR	75-125	Low Bias			
Reference (BL12759-SRM1)									Prepared: 12/23/2021 Analyzed: 12/28/2021		
Barium	258	2.50	mg/kg wet	239		108	74.9-124.7				
Lead	129	0.500	"	130		99.1	71.8-128.5				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12840 - EPA 7473 soil											
Blank (BL12840-BLK1)								Prepared & Analyzed: 12/27/2021			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BL12840-DUP1)	*Source sample: 21L1036-07 (Duplicate)							Prepared & Analyzed: 12/27/2021			
Mercury	0.360	0.0338	mg/kg dry		0.445				21.2	35	
Matrix Spike (BL12840-MS1)	*Source sample: 21L1036-07 (Matrix Spike)							Prepared & Analyzed: 12/27/2021			
Mercury	0.838		mg/kg	0.500	0.395	88.5	75-125				
Reference (BL12840-SRM1)								Prepared & Analyzed: 12/27/2021			
Mercury	17.437		mg/kg	27.2		64.1	59.9-140.1				
Batch BL12878 - EPA 7473 soil											
Blank (BL12878-BLK1)								Prepared & Analyzed: 12/28/2021			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BL12878-DUP1)	*Source sample: 21L1080-10 (2SS-10)							Prepared & Analyzed: 12/28/2021			
Mercury	0.619	0.0427	mg/kg dry		0.607				1.86	35	
Matrix Spike (BL12878-MS1)	*Source sample: 21L1080-10 (2SS-10)							Prepared & Analyzed: 12/28/2021			
Mercury	0.916		mg/kg	0.500	0.426	97.9	75-125				
Reference (BL12878-SRM1)								Prepared & Analyzed: 12/28/2021			
Mercury	27.747		mg/kg	27.2		102	59.9-140.1				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12885 - % Solids Prep											
Duplicate (BL12885-DUP1)	*Source sample: 21L1080-13 (2SS-13)							Prepared & Analyzed: 12/28/2021			
% Solids	80.7	0.100	%		75.8				6.27	20	
Batch BL12886 - % Solids Prep											
Duplicate (BL12886-DUP1)	*Source sample: 21L1132-09 (Duplicate)							Prepared & Analyzed: 12/28/2021			
% Solids	96.1	0.100	%		95.3				0.882	20	

Sample and Data Qualifiers Relating to This Work Order

M-SPKM The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.

M-DUPS The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity

M-CRL The RL check for this element recovered outside of control limits.

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. 21L1080

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675 | Page ____ of ____

YOUR Information	Report To:	Invoice To:
Company: GBTS	Company: Richard	Company: Brenda
Address: 221BM Road Poughkeepsie NY 12603	Address:	Address:
Phone:	Phone:	Phone:
Contact:	Contact:	Contact:
E-mail:	E-mail:	E-mail:

YOUR Project Number: 21003 - 0067

YOUR Project Name: 21003 - 0067

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

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.

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	X
New Jersey	
Connecticut	
Pennsylvania	
Other:	

Report / EDD Type (circle selections)

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

YORK Reg. Comp.

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
255-01	S	12/18/21	Lead, mercury, Barium	2x 40z
255-02				
255-03				
255-04				
255-05				
255-06				
255-07				
255-08				X
255-09				40z
255-10	X	X	a a 2	4

Comments:

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

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

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
[illegible]	12/20/21 10:00	Chris York	12-20-21 10:00	Chris York	12-20-21 15:50
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
3. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				[illegible]	12/20/21 15:50 / 3.1 Degrees C

Field Chain-of-Custody Record

YORK
ANALYTICAL LABORATORIES INC

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YORK Project No. 211080

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675 | Page ____ of ____

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: SBTS	Company: Richard	Company: Brenda	21003-0067	RUSH - Next Day
Address: 22 IBM Road Poughkeepsie	Address:	Address:		RUSH - Two Day
Phone: NY 12603	Phone:	Phone:	YOUR Project Name	RUSH - Three Day
Contact:	Contact:	Contact:	21003-0067	RUSH - Four Day
Email:	Email:	Email:		Standard (5-7 Day) X
			YOUR PO#:	

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.

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 X
New Jersey
Connecticut
Pennsylvania
Other:

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

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
255-11	S	12/18/21	Lead, Mercury, Barium	4oz
255-12				
255-13				
255-14	X	X	X X	X

Comments:

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

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

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
[illegible]	12:20:21 10:00	Client York	12.20.21 10:00	Client York	12.20.21 15:50
3. Samples Relinquished by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				[illegible]	12/20/21 15:50 3.1 Degrees C

Field Chain-of-Custody Record

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YORK Project No. 211080

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675 | Page _____ of _____

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: GBTS	Company: Richard	Company: Brenda	21003-0067	RUSH - Next Day
Address: 22 IBM ROAD Poughkeepsie NY 12603	Address:	Address:	YOUR Project Name: 21003-0067	RUSH - Two Day
Phone:	Phone:	Phone:		RUSH - Three Day
Contact:	Contact:	Contact:		RUSH - Four Day
E-mail:	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

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.

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 X; New Jersey; Connecticut; Pennsylvania; Other:

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

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
2SB-01 5'	S	12/18/21	Lead, Mercury, Barium	4oz
2SB-02 2'				
2SB-02 7'				
2SB-03 3'				
2SB-03 5'				
2SB-04 3'				
2SB-05 4'				
2SB-06 4'				

Comments:

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

Preservation: (check all that apply): HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: _____

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
[illegible]	12/20/21 10:00	Client York	12.20.21 10:00	Client York	12.20.21 15:50
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
3. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				[illegible]	12/20/21 15:50 / 3.1 Degrees C

Technical Report

prepared for:

Gallagher Bassett - Poughkeepsie, NY
22 IBM Road, Suite 101
Poughkeepsie NY, 12601
Attention: Richard Hooker

Report Date: 12/28/2021
Client Project ID: 21003-0067
York Project (SDG) No.: 21L1149

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: 12/28/2021
Client Project ID: 21003-0067
York Project (SDG) No.: 21L1149

Gallagher Bassett - Poughkeepsie, NY
22 IBM Road, Suite 101
Poughkeepsie NY, 12601
Attention: Richard Hooker

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 December 20, 2021 and listed below. The project was identified as your project: **21003-0067**.

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
21L1149-01	2SB-01 5'	Soil	12/18/2021	12/20/2021
21L1149-02	2SB-02 2'	Soil	12/18/2021	12/20/2021
21L1149-03	2SB-02 7'	Soil	12/18/2021	12/20/2021
21L1149-04	2SB-03 3'	Soil	12/18/2021	12/20/2021
21L1149-05	2SB-03 5'	Soil	12/18/2021	12/20/2021
21L1149-06	2SB-04 3'	Soil	12/18/2021	12/20/2021
21L1149-07	2SB-05 4'	Soil	12/18/2021	12/20/2021
21L1149-08	2SB-06 4'	Soil	12/18/2021	12/20/2021

General Notes for York Project (SDG) No.: 21L1149

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:** 12/28/2021

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: 2SB-01 5' **York Sample ID:** 21L1149-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1149	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

Barium by EPA 6010

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
7440-39-3	**Barium**	**278**		mg/kg dry	2.85	1	EPA 6010D	12/23/2021 15:28	12/28/2021 00:46	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Lead by EPA 6010

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
7439-92-1	**Lead**	**547**		mg/kg dry	0.570	1	EPA 6010D	12/23/2021 15:28	12/28/2021 00:46	RTH
							Certifications:	CTDOH,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**	**0.238**		mg/kg dry	0.0342	1	EPA 7473	12/28/2021 09:42	12/28/2021 14:02	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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**	**87.7**		%	0.100	1	SM 2540G	12/28/2021 11:07	12/28/2021 14:03	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: 2SB-02 2' **York Sample ID:** 21L1149-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1149	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

Barium by EPA 6010

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
7440-39-3	**Barium**	**70.2**		mg/kg dry	2.82	1	EPA 6010D	12/23/2021 15:28	12/28/2021 00:49	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Lead by EPA 6010

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

Sample Information

Client Sample ID: 2SB-02 2' **York Sample ID:** 21L1149-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1149	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

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
7439-92-1	**Lead**	**75.8**		mg/kg dry	0.565	1	EPA 6010D	12/23/2021 15:28	12/28/2021 00:49	RTH
							Certifications:	CTDOH,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**	**0.0624**		mg/kg dry	0.0339	1	EPA 7473	12/28/2021 09:42	12/28/2021 14:09	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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**	**88.5**		%	0.100	1	SM 2540G	12/28/2021 11:07	12/28/2021 14:03	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: 2SB-02 7' **York Sample ID:** 21L1149-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1149	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

Barium by EPA 6010 **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
7440-39-3	**Barium**	**68.6**		mg/kg dry	3.21	1	EPA 6010D	12/23/2021 15:28	12/28/2021 00:52	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Lead by EPA 6010 **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
7439-92-1	**Lead**	**17.3**		mg/kg dry	0.642	1	EPA 6010D	12/23/2021 15:28	12/28/2021 00:52	RTH
							Certifications:	CTDOH,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

Sample Information

Client Sample ID: 2SB-02 7' **York Sample ID:** 21L1149-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1149	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

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	0.0385	1	EPA 7473	12/28/2021 09:42	12/28/2021 14:19	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

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**	**77.9**		%	0.100	1	SM 2540G	12/28/2021 11:07	12/28/2021 14:03	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: 2SB-03 3' **York Sample ID:** 21L1149-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1149	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

Barium by EPA 6010

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
7440-39-3	**Barium**	**86.3**		mg/kg dry	2.83	1	EPA 6010D	12/23/2021 15:31	12/28/2021 01:16	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Lead by EPA 6010

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
7439-92-1	**Lead**	**53.8**		mg/kg dry	0.565	1	EPA 6010D	12/23/2021 15:31	12/28/2021 01:16	RTH
							Certifications: CTDOH,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**	**0.104**		mg/kg dry	0.0339	1	EPA 7473	12/28/2021 09:42	12/28/2021 14:28	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Sample Information

Client Sample ID: 2SB-03 3' **York Sample ID:** 21L1149-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1149	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

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**	**88.5**		%	0.100	1	SM 2540G	12/28/2021 11:07	12/28/2021 14:03	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: 2SB-03 5' **York Sample ID:** 21L1149-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1149	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

Barium by EPA 6010

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
7440-39-3	**Barium**	**46.4**		mg/kg dry	2.88	1	EPA 6010D	12/23/2021 15:31	12/28/2021 01:18	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Lead by EPA 6010

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
7439-92-1	**Lead**	**16.3**		mg/kg dry	0.576	1	EPA 6010D	12/23/2021 15:31	12/28/2021 01:18	RTH
							Certifications: CTDOH,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**	**0.327**		mg/kg dry	0.0346	1	EPA 7473	12/28/2021 09:42	12/28/2021 14:37	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

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**	**86.7**		%	0.100	1	SM 2540G	12/28/2021 11:07	12/28/2021 14:03	VR
							Certifications: CTDOH			

Sample Information

Client Sample ID: 2SB-04 3' **York Sample ID:** 21L1149-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1149	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

Barium by EPA 6010

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
7440-39-3	**Barium**	**64.8**		mg/kg dry	2.72	1	EPA 6010D	12/23/2021 15:31	12/28/2021 01:21	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Lead by EPA 6010

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
7439-92-1	**Lead**	**50.3**		mg/kg dry	0.543	1	EPA 6010D	12/23/2021 15:31	12/28/2021 01:21	RTH
							Certifications:	CTDOH,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**	**0.0476**		mg/kg dry	0.0326	1	EPA 7473	12/28/2021 09:42	12/28/2021 14:46	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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**	**92.0**		%	0.100	1	SM 2540G	12/28/2021 11:07	12/28/2021 14:03	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: 2SB-05 4' **York Sample ID:** 21L1149-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1149	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

Barium by EPA 6010

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
7440-39-3	**Barium**	**533**		mg/kg dry	3.24	1	EPA 6010D	12/23/2021 15:31	12/28/2021 01:24	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Lead by EPA 6010

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: 2SB-05 4' **York Sample ID:** 21L1149-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1149	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

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
7439-92-1	**Lead**	**817**		mg/kg dry	0.647	1	EPA 6010D	12/23/2021 15:31	12/28/2021 01:24	RTH
							Certifications:	CTDOH,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**	**0.282**		mg/kg dry	0.0388	1	EPA 7473	12/28/2021 09:42	12/28/2021 14:56	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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**	**77.2**		%	0.100	1	SM 2540G	12/28/2021 11:07	12/28/2021 14:03	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: 2SB-06 4' **York Sample ID:** 21L1149-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1149	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

Barium by EPA 6010

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
7440-39-3	**Barium**	**79.6**		mg/kg dry	2.81	1	EPA 6010D	12/23/2021 15:31	12/28/2021 01:32	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Lead by EPA 6010

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
7439-92-1	**Lead**	**188**		mg/kg dry	0.562	1	EPA 6010D	12/23/2021 15:31	12/28/2021 01:32	RTH
							Certifications:	CTDOH,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

Sample Information

Client Sample ID: 2SB-06 4'

York Sample ID: 21L1149-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1149	21003-0067	Soil	December 18, 2021 3:00 pm	12/20/2021

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**	**0.260**		mg/kg dry	0.0337	1	EPA 7473	12/28/2021 09:42	12/28/2021 15:05	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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	12/28/2021 11:07	12/28/2021 14:03	VR
							Certifications:	CTDOH		

Analytical Batch Summary

Batch ID: BL12760 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L1149-01	2SB-01 5'	12/23/21
21L1149-02	2SB-02 2'	12/23/21
21L1149-03	2SB-02 7'	12/23/21
BL12760-BLK1	Blank	12/23/21
BL12760-DUP1	Duplicate	12/23/21
BL12760-MS1	Matrix Spike	12/23/21
BL12760-PS1	Post Spike	12/23/21
BL12760-SRM1	Reference	12/23/21

Batch ID: BL12761 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L1149-04	2SB-03 3'	12/23/21
21L1149-05	2SB-03 5'	12/23/21
21L1149-06	2SB-04 3'	12/23/21
21L1149-07	2SB-05 4'	12/23/21
21L1149-08	2SB-06 4'	12/23/21
BL12761-BLK1	Blank	12/23/21
BL12761-DUP1	Duplicate	12/23/21
BL12761-MS1	Matrix Spike	12/23/21
BL12761-PS1	Post Spike	12/23/21
BL12761-SRM1	Reference	12/23/21

Batch ID: BL12879 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21L1149-01	2SB-01 5'	12/28/21
21L1149-02	2SB-02 2'	12/28/21
21L1149-03	2SB-02 7'	12/28/21
21L1149-04	2SB-03 3'	12/28/21
21L1149-05	2SB-03 5'	12/28/21
21L1149-06	2SB-04 3'	12/28/21
21L1149-07	2SB-05 4'	12/28/21
21L1149-08	2SB-06 4'	12/28/21
BL12879-BLK1	Blank	12/28/21
BL12879-DUP1	Duplicate	12/28/21
BL12879-MS1	Matrix Spike	12/28/21
BL12879-SRM1	Reference	12/28/21

Batch ID: BL12891 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
21L1149-01	2SB-01 5'	12/28/21
21L1149-02	2SB-02 2'	12/28/21

21L1149-03	2SB-02 7'	12/28/21
21L1149-04	2SB-03 3'	12/28/21
21L1149-05	2SB-03 5'	12/28/21
21L1149-06	2SB-04 3'	12/28/21
21L1149-07	2SB-05 4'	12/28/21
21L1149-08	2SB-06 4'	12/28/21
BL12891-DUP1	Duplicate	12/28/21

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12760 - EPA 3050B											
Blank (BL12760-BLK1)								Prepared: 12/23/2021 Analyzed: 12/27/2021			
Barium	ND	2.50	mg/kg wet								
Lead	ND	0.500	"								
Duplicate (BL12760-DUP1)	*Source sample: 21L1149-03 (2SB-02 7')							Prepared: 12/23/2021 Analyzed: 12/28/2021			
Barium	63.1	3.21	mg/kg dry		68.6				8.26	35	
Lead	23.0	0.642	"		17.3				28.5	35	
Matrix Spike (BL12760-MS1)	*Source sample: 21L1149-03 (2SB-02 7')							Prepared: 12/23/2021 Analyzed: 12/28/2021			
Barium	357	3.21	mg/kg dry	257	68.6	112	75-125				
Lead	87.5	0.642	"	64.2	17.3	109	75-125				
Post Spike (BL12760-PS1)	*Source sample: 21L1149-03 (2SB-02 7')							Prepared: 12/23/2021 Analyzed: 12/28/2021			
Barium	2.65		ug/mL	2.00	0.534	106	75-125				
Lead	0.674		"	0.500	0.134	108	75-125				
Reference (BL12760-SRM1)								Prepared: 12/23/2021 Analyzed: 12/27/2021			
Barium	288	2.50	mg/kg wet	239		120	74.9-124.7				
Lead	150	0.500	"	130		116	71.8-128.5				
Batch BL12761 - EPA 3050B											
Blank (BL12761-BLK1)								Prepared: 12/23/2021 Analyzed: 12/28/2021			
Barium	ND	2.50	mg/kg wet								
Lead	ND	0.500	"								
Duplicate (BL12761-DUP1)	*Source sample: 21L1257-09 (Duplicate)							Prepared: 12/23/2021 Analyzed: 12/28/2021			
Barium	40.4	2.80	mg/kg dry		55.3				31.0	35	
Lead	14.8	0.561	"		21.5				37.1	35	Non-dir.

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12761 - EPA 3050B											
Matrix Spike (BL12761-MS1)	*Source sample: 21L1257-09 (Matrix Spike)								Prepared: 12/23/2021 Analyzed: 12/28/2021		
Barium	331	2.80	mg/kg dry	224	55.3	123	75-125				
Lead	84.3	0.561	"	56.1	21.5	112	75-125				
Post Spike (BL12761-PS1)	*Source sample: 21L1257-09 (Post Spike)								Prepared: 12/23/2021 Analyzed: 12/28/2021		
Barium	2.89		ug/mL	2.00	0.493	120	75-125				
Lead	0.763		"	0.500	0.192	114	75-125				
Reference (BL12761-SRM1)									Prepared: 12/23/2021 Analyzed: 12/28/2021		
Barium	287	2.50	mg/kg wet	239		120	74.9-124.7				
Lead	145	0.500	"	130		112	71.8-128.5				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12879 - EPA 7473 soil											
Blank (BL12879-BLK1)								Prepared & Analyzed: 12/28/2021			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BL12879-DUP1)	*Source sample: 21L1138-09 (Duplicate)							Prepared & Analyzed: 12/28/2021			
Mercury	0.480	0.0300	mg/kg wet		0.633				27.5	35	
Matrix Spike (BL12879-MS1)	*Source sample: 21L1138-09 (Matrix Spike)							Prepared & Analyzed: 12/28/2021			
Mercury	1.14		mg/kg	0.500	0.633	100	75-125				
Reference (BL12879-SRM1)								Prepared & Analyzed: 12/28/2021			
Mercury	29.727		mg/kg	27.2		109	59.9-140.1				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12891 - % Solids Prep											
Duplicate (BL12891-DUP1)	*Source sample: 21L1195-01 (Duplicate)							Prepared & Analyzed: 12/28/2021			
% Solids	85.9	0.100	%		82.9				3.56	20	

Sample and Data Qualifiers Relating to This Work Order

M-DUPS The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity

M-CRL The RL check for this element recovered outside of control limits.

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. 21L1080-TG
21L1149

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YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: GBTS	Company: Richard	Company: Brenda	21003-0067	RUSH - Next Day
Address: 22 IBM ROAD Poughkeepsie NY 12603	Address:	Address:	YOUR Project Name: 21003-0067	RUSH - Two Day
Phone:	Phone:	Phone:		RUSH - Three Day
Contact:	Contact:	Contact:		RUSH - Four Day
E-mail:	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

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.

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 X
New Jersey
Connecticut
Pennsylvania
Other:

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

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
2SB-01 5'	S	12/18/21	Lead, Mercury, Barium	402
2SB-02 2'				
2SB-02 7'				
2SB-03 3'				
2SB-03 5'				
2SB-04 3'				
2SB-05 4'				
2SB-06 4'				

Comments:

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

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

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
[signature]	12/20/21 10:00	Client York	12.20.21 10:00	Client York	12.20.21 15:50
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
3. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				[signature]	12/20/21 15:50 / 3.1 Degrees C

APPENDIX E: Previous Environmental Reports

COMBINED PHASE I AND PHASE II

ENVIRONMENTAL SITE ASSESSMENT

December 15, 2004

Site Identification:	**307 and 321 Railroad Avenue City of Peekskill Westchester County, New York**
Tax Lot Identification:	**Section 32.12, Block 8, Lots 17 and 18**
Property Description:	**Approximately 0.4-acre property containing a small, concrete-block building and a parking lot**

NYSDEC Spill File Number: 0409835

ESI File: GP04143.10

Prepared By:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie, NY 12603
(845) 452-1658

4.0 PHASE II INVESTIGATION

4.1 Areas of Concern

The work described in this section was performed to document potential environmental impacts resulting from the presence of petroleum bulk storage tanks and the historic use of the subject property as a filling station.

4.2 Summary of Services

The following services were conducted on November 20, 2004, by ESI and/or designated subcontractors, on selected portions of the subject property in order to address the areas of concern specified above:

- Conducted a ground penetrating radar (GPR) survey of the area surrounding the on-site structure (former automotive repair facility) to document the presence or absence of underground PBS tanks and associated piping networks;
- Extended eight soil borings on the Site to a maximum depth of approximately 12' feet below grade in the vicinity of two identified USTs, a former fuel-pump island, and likely down-gradient areas; and,
- Documented the on-site presence or absence of contamination through sampling and laboratory analysis of soil samples for volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and metals.

The remainder of this Combined Phase I & II ESA details the fieldwork conducted by ESI on the Site (Section 4.3), documents the results of laboratory analysis of samples (Section 4.4), and presents ESI's conclusions and recommendations (Section 5.0). Based on observations of petroleum contamination and laboratory data documenting elevated concentrations of petroleum products, ESI reported a spill event to the NYSDEC (#0409835) on December 3, 2004.

4.3 Fieldwork Methodology

4.3.1 Site Preparation Services

Prior to the initiation of fieldwork, a request for a complete utility markout of the subject property was submitted by ESI as required by New York State Department of Labor regulations. Confirmation of underground utility locations was secured, and a field check of the utility markout was conducted prior to the extension of test pits.

4.3.2 Ground Penetrating Radar Survey

A GPR survey of the area surrounding the on-site structure was conducted by personnel from Enviroprobe Service, Inc. The locations of two 550-gallon USTs, a former fuel-pump island, and buried piping between the tanks and the fuel-pump island, were field marked, based on direct instrument readings. The USTs were located approximately 15 feet south of the building and were lying in a east/west orientation. The Enviroprobe field technician estimated that the tops of the tanks were located from 2 to 3 feet beneath the surface. The former fuel-pump island was estimated to have been located approximately 15' west of the building. No other tanks were identified in the vicinity of the building during the completion of the GPR survey. A Fieldwork Map indicating tank and boring locations, and associated selected site features, is provided on page 5 of this Combined Phase I & II ESA.

4.3.3 Extension of Soil Borings

Enviroprobe extended eight soil borings on the Site under the direct supervision of ESI personnel. These soil borings were extended in the immediate vicinity of the tanks (GP-1, GP-2, and GP-3), upgradient of the tanks (GP-4), downgradient of the tanks (GP-5 and GP-8), and near the former fuel-pump island (GP-6 and GP-7). All soil borings were extended using a truck-mounted Geoprobe© direct-push coring device equipped with disposable acetate sleeves (used to prevent the cross contamination of soil samples). Sampling was conducted at each boring location at four-foot intervals to a maximum depth of 12' below grade or until refusal was reached. The sampling spoon was decontaminated prior to the initiation of fieldwork and after the collection of each sample following established NYSDEC protocols.

A MiniRAE 2000 (Model PGM 7600) photo-ionization detector (PID) was utilized by ESI personnel to screen all encountered material for the presence of any volatile organic vapors where appropriate. Prior to the initiation of fieldwork, this PID was properly calibrated to read parts per million calibration gas equivalents (ppm-cge) of isobutylene.

An assessment of subsurface soil characteristics, including soil type, the presence of foreign materials, field indications of contamination (e.g., unusual coloration patterns, or odors), and instrument indications of contamination (i.e., PID readings) was made by ESI personnel during the extension of each soil boring. ESI personnel maintained independent field logs documenting physical characteristics, PID readings, and any field indications of contamination for all encountered material at each boring location. Relevant information from ESI logs for each boring location is summarized in Table 4, below.

Subsurface soils encountered at the Site during the extension of the soil borings generally consisted of dark, variable texture sands (likely to be fill materials). Groundwater (as evidenced by very moist to saturated soil) was encountered at 6 to 8' bsg during the extension of the soil borings.

4.3.3 Sample Collection

Samples of soil material were collected from each of the soil borings where appropriate and notations were made regarding the sampled material's physical characteristics. All samples were obtained in a manner consistent with NYSDEC protocols. Decontaminated stainless steel trowels and dedicated gloves were used at each sample location to place the material into jars pre-cleaned at the laboratory. Prior to the collection of each material sample, the sample collection instrument was decontaminated to avoid cross-contamination between samples.

All sample containers were placed in a cooler immediately after sample collection and were maintained at cool temperatures prior to transport to the laboratory. The soil samples were transported the following day via courier to York Analytical Laboratories, Inc., a New York State Department of Health-certified laboratory (ELAP Certification Number 10854) for chemical analyses. Appropriate chain-of-custody procedures were followed.

Submission of samples for laboratory analysis was based on observations made by ESI personnel during the extension of the soil borings, including the presence or absence of elevated PID readings, unusual odors, discoloration, or, any other unusual patterns. A sufficient number of samples were submitted for analysis to provide a general screening of soils located near, and downgradient of, the USTs and near the former location of the fuel-pump island.

4.4 Laboratory Analysis

4.4.1 Guidance Levels

Guidance Levels

The term "guidance level," as defined in this Combined Phase I & II ESA, refers to the concentration of a particular contaminant above which remedial actions are considered more likely. The overall objective of setting guidance levels is to assess the integrity of on-site soils relative to conditions which are likely to present a threat to public health or the environment, given the existing and probable future uses of the site. On-site soils with contaminant levels exceeding these guidance levels are considered more likely to warrant remediation. No independent risk assessment was performed as part of this investigation.

The guidance levels identified in this Combined Phase I & II ESA for petroleum hydrocarbons, PCBs, and metals in soils are based on "recommended cleanup objectives" contained in the NYSDEC's Technical and Administrative Guidance Memorandum #4046 (TAGM), dated January 24, 1994, as modified by subsequent NYSDEC memoranda. All data presented in this Combined Phase I & II ESA have been analyzed in accordance with applicable TAGM standards and all detected compounds with their respective guidance levels are provided in the data summary tables in Appendix E.

Background Levels

The term "background level", as defined in this Combined Phase I & II ESA, is the concentration of a particular metal that is known to naturally occur in soils located in the eastern United States. The overall objective of setting background levels for metals is to assess the concentrations of metals in on-site soils relative to those that are naturally occurring. On-site soils with metal concentrations exceeding these background levels are considered more likely to have been affected by anthropogenic contributions. Background levels for metals are based on the NYSDEC's TAGM. Refined petroleum hydrocarbons and PCBs are not naturally occurring; therefore, no discussion of background levels for these compounds is appropriate.

4.4.2 Laboratory Analysis and Discussion of Findings

A summary of the results of the laboratory analyses conducted on samples GP-1 through GP-8 is provided below. Analyte concentrations are reported in parts per billion, ppb (μg/kg) or in parts per million, ppm (mg/kg) as appropriate. A complete copy of the Laboratory Report is included as Appendix F. Recommendations regarding laboratory data are located in Section 5.0.

VOCs

Soil samples collected at GP-1 (4 to 12'), GP-3 (8 to 12'), GP-4 (4 to 8'), GP-5 (4 to 12'), GP-6 (8 to 12'), GP-7 (0 to 12'), and GP-8 (4 to 8') were submitted for analysis of VOCs using USEPA Method 8021 plus MTBE. BTEX (chemicals associated with gasoline products: benzene, toluene, ethylbenzene, and xylenes) was detected at elevated concentrations at GP-1, located immediately downgradient of the USTs, and at GP-7, located near the former fuel-pump island: benzene (140 ppb, guidance level of 60 ppb) was detected in sample GP-1 (4-8') and xylenes (peak concentration of 1,600 ppb, guidance level of 1,200 ppb) were detected in samples GP-1 (4-8') and GP-7 (4-8'). BTEX and other related VOCs were detected at concentrations below guidance levels in samples GP-3 (8-12'), GP-5 (4-8' and 8-12'), GP-7 (0-4', 4-8', and 8-12'), and GP-8 (4-8'). No VOCs were detected in samples GP-1 (8-12'), or at GP-4 (4-8') and GP-6 (8-12), located (respectively) upgradient of the USTs and north of the former fuel-pump island.

No MTBE or halogenated hydrocarbons were detected in any soil sample submitted for analysis; elevated minimum laboratory detection limits of 200 ppb for sample GP-5 (8-12') could, however, be potentially masking the presence of elevated concentrations of benzene, MTBE, or several of the chlorinated compounds, which have low guidance levels.

PAHs

Soil samples collected at GP-1 (4 to 12'), GP-5 (4 to 12'), GP-7 (4 to 12'), and GP-8 (4 to 12') were submitted for analysis of PAHs using USEPA Method 8270. Significantly elevated concentrations of PAHs were detected in the sample GP-5 (8-12'), e.g., 31,000 ppb benzo[a]anthracene (guidance level of 224 ppb), 24,000 ppb chrysene (guidance level of 400 ppb). Low level exceedences of several of the PAH compounds that have very low guidance levels were detected at GP-7 (4-8') and GP-8 (4-8'), e.g. benzo[a]anthracene was detected at a peak concentration of 690 ppb. Low to very low levels of several PAHs were detected in samples GP-1 (4-8' and 8-12'), GP-5 (4-8'), GP-7 (8-12''), and GP-8 (8-12').

Metals

Soil samples collected from the 0-4' depth at all eight sampling locations were submitted for analysis of total weight lead, a metal commonly associated with gasoline manufactured between 1923 and 1986. Lead concentrations ranged from 31.3 to 173 ppm (detected at GP-8), with an average concentration of 74.3 ppm. These values are well within the 200 to 500 ppm background levels typically encountered in urban and well developed suburban settings. Soil samples GP-1 (4-8') and GP-1 (8-12') were also analyzed for total weight RCRA metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver). Slightly elevated concentrations of mercury (0.27 ppm, guidance level of 0.1 ppm) and chromium (14.5 ppm, guidance level of 10 ppm) were detected in the 4-8' sample, and slightly elevated concentrations of cadmium (2.36 ppm, guidance level of 1 ppm) and chromium (14.8 ppm) were detected in the in the 8-12' sample. All other metals were detected at concentrations below guidance levels (no selenium or silver was detected in either sample and mercury was not detected in the 8-12' sample).

PCBs

Soil samples GP-1 (4-8') and GP-1 (8-12') were submitted for laboratory analysis of PCBs. No PCBs were detected in either sample.

Discussion of Results

Elevated concentrations of VOCs and PAHs were detected at sampling locations GP-1, GP-5 and GP-7, areas exhibiting significant field evidence of petroleum contamination. Low levels of petroleum compounds (specifically BTEX and related chemicals) were also detected in samples collected near, or downgradient of, the abandoned on-site tanks. No VOCs were detected upgradient of the tanks (GP-4) or to the north of the former fuel-pump island (GP-6). These findings support the conclusion that on-site soils have been contaminated by releases of petroleum products from the USTs and possibly from the former fuel-pump island. Data indicate that these releases are unlikely to have contained significant quantities of metals or PCBs. The presence of significant contaminant concentrations in soils located at or near the water table suggests that on-site groundwater resources may have been similarly impacted, and that petroleum contamination originating on the subject property may have migrated off-site.

5.0 CONCLUSIONS AND RECOMMENDATIONS

A Phase I Environmental Site Assessment (ESA) has been performed in conformance with the scope and limitations of ASTM Practice E 1527-00 on the approximately 0.4-acre property and structure located at located at 307 and 321 Railroad Avenue, City of Peekskill, Westchester County, New York, as described in Section 2.0, above. In addition to the ESA, a limited subsurface investigation of specified portions of the subject property was conducted in order to further investigate on-site environmental conditions. This Combined Phase I and Phase II Environmental Site Assessment (Combined Phase I & II ESA) has revealed no evidence of potential recognized environmental conditions in connection with the property with the exception of the items detailed below. With respect to these conditions, the following recommendations (in **bold**) are made. Cost estimates for proposed investigations and/or remedial actions are provided in *italics* where appropriate.

1. Information obtained during a review of historic maps and municipal records indicates that multiple structures have been present on the subject property from prior to 1900 until the current day, including a former three-story building utilized at one time or another as a saloon, restaurant, and/or hotel, and the existing concrete-block building, which was originally built and used as an automotive repair facility and filling station. Impacts resulting the presence of on-site tanks and fuel pumps are discussed in Paragraph 2, below. Impacts from other historic uses of the property are likely to be minimal and to be restricted to the potential presence of buried debris generated from the demolition of former on-site structures. The property is not likely to have been used for industrial purposes.

   No further investigation of historic records is recommended (see also Paragraph 2, below).

2. A ground penetrating radar (GPR) survey identified two, 550-gallon underground storage tanks (USTs) and a former fuel-pump island associated with the historic use of the property as a filling station. No other significant subsurface features were identified during the GPR survey. It is not known at this time what products were stored in the USTs, but it is reasonable to assume that the tanks were designed to contain gasoline or diesel fuel, and may have contained waste oil at some point. The tanks were partially filled with water, suggesting that they are not in sound condition.

   Field evidence of significant contamination, including the presence of free product, was observed in several borings located near and immediately downgradient of the USTs. Overtly impacted soils were observed to extend into the saturated zone, suggesting a possible impact to on-site groundwater resources. Laboratory analysis confirms the presence of elevated concentrations of petroleum products in soil samples collected from areas exhibiting evidence of free product. At a minimum, low levels of petroleum constituents have been detected in all downgradient sampling locations. No PCBs or significant quantities of metals were detected in subsurface samples collected from GP-1, and lead concentrations in surface soils are within background levels.

   Laboratory results support the conclusion that on-site subsurface soils have been contaminated by releases of petroleum products from the USTs and possibly from the former fuel-pump island. Based on these findings, ESI reported a spill event to the NYSDEC (#0409835) on December 3, 2004. Laboratory data generated to date are insufficient to fully define the horizontal and vertical extent of petroleum contamination. Current data suggest that significant on-site petroleum contamination may be restricted to areas near, and to the west (downgradient) of, the USTs. It is not known if impacts extend laterally to off-site soils, or if contamination extends significantly below the groundwater table. It is likely that the NYSDEC will require additional investigative work, and the removal of the tanks and contaminated soil, in order to close the spill file. The volume of soils likely to warrant removal is unknown at this time (preliminary data suggest a volume of 300 to 750 cubic yards). Dewatering activities may be required in conjunction with soil removal; contaminated water flowing back into excavated areas will require removal or on-site treatment.

It is recommended that additional soil borings be extended to more fully delineate the extent of documented on-site contamination. Consideration should be given to the installation of temporary monitoring wells to provide a preliminary assessment of on-site groundwater quality. The NYSDEC and/or Westchester County Department of Health (WCDOH) should review any future investigative work and/or remedial actions prior to implementation in order to facilitate spill file closure and site remediation activities.

All on-site storage tanks and petroleum-contaminated soils should be excavated and removed from the subject property. Tank removal should be completed in conjunction with soil remediation activities in order to minimize remediation costs and to facilitate excavation of all soils warranting removal.

Estimated cost of tank removal: $10,000
Estimated cost of soil remediation: $ 50,000 - $75,000

Field evidence suggests that local groundwater could potentially be impacted. The removal of the USTs and associated contaminated soils will eliminate the most likely source that could potentially contribute to the degradation of groundwater quality. Given the absence of any uses of local groundwater, potential groundwater remediation required by regulatory authorities (i.e. the NYSDEC and/or WCDOH) is likely to be limited to removal (or on-site treatment) of any contaminated water flowing back into excavated areas. The WCDOH may require post-remediation groundwater monitoring to document groundwater quality.

It is recommended that Groundwater monitoring (if required by the WCDOH and/or NYSDEC) should be conducted in order to facilitate site remediation activities and the closure of the active NYSDEC spill file, and to confirm the effectiveness of soil remediation activities.

Estimated cost of groundwater investigation: $ 10,000 - $15,000

3. The subject property is not in compliance with federal PBS regulations specified in 40 CFR Part 280, which requires the upgrade, closure, or replacement of regulated underground storage tanks. It is anticipated that all on-site PBS tanks will be removed during remedial activities.

   No further investigation is recommended.

4. Debris consisting of foundation remains, broken masonry, and household trash is present on the subject property. Subsurface debris from demolished structures may also be present on the subject property. Any such subsurface debris could potentially contain asbestos-containing materials (ACMs), lead-based paint (LBP), or other regulated materials.

   It is recommended that any subsurface debris encountered during future on-site development activities be properly managed, including, as necessary, sampling and analysis of materials for asbestos and leachable concentrations of lead. All debris materials should be segregated into appropriate waste streams (i.e., those which can be disposed of as solid waste and those which require special handling) prior to disposal.

5. ACMs and/or LBP could potentially be present at the on-site structure.

   No further investigation is recommended. Suspect materials encountered during maintenance or site development activities should be tested for asbestos or lead, or, in the absence of analytical data, be treated as though it contained asbestos or lead.

SUMMARY REPORT OF SUPPLEMENTAL

SOIL AND GROUNDWATER INVESTIGATION

Performed on the Property Located at

321 Railroad Avenue, City of Peekskill
Westchester County, New York

NYSDEC SPILL NUMBER 0409835

February 11, 2005

Prepared By:

ECOSYSTEMS STRATEGIES, INC.
24 Davis Avenue
Poughkeepsie, New York 12603
(845) 452-1658

ESI File: GP04143.21

SUMMARY REPORT OF SUPPLEMENTAL

SOIL AND GROUNDWATER INVESTIGATION

Performed on the Property Located at

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February 11, 2005

NYSDEC SPILL NUMBER 0409835

ESI File Number: GP04143.21

Prepared By:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie, New York 12603

Prepared For:

Ginsburg Development Corp.
245 Saw Mill River Road
Hawthorne, NY 10532

Phase I services performed by Ecosystems Strategies, Inc. and summarized in this Combined Phase I and II ESA have been conducted in accordance with Method E 1527-00 as developed by the American Society for Testing and Materials (ASTM), and all fieldwork services were performed in accordance with generally accepted practices and established New York State Department of Environmental Conservation (NYSDEC) protocols.

The undersigned has reviewed this Combined Phase I and II ESA and certifies to Ginsburg Development Corporation that the information provided in this document is accurate as of the date of issuance by this office

Paul H. Ciminello
President

TABLE OF CONTENTS

1.0 INTRODUCTION

1.1 Purpose

This Summary Report of Supplemental Soil and Groundwater Investigation ("Report") chronicles fieldwork performed by Ecosystems Strategies, Inc. ("ESI") on the property located at 321 Railroad Avenue, City of Peekskill, Westchester County, New York. The investigative and analytical work summarized in this Report was performed to further delineate known areas of documented soil contamination, which were identified during a Phase II investigation previously conducted by ESI (see Section 1.4, below), and to provide an initial analysis of existing groundwater quality.

This Report describes all fieldwork methodologies for the work conducted by this office, includes discussions of the resulting analytical data from collected samples, and provides conclusions and recommendations drawn from the fieldwork and analytical data.

1.2 Limitations

This written analysis summarizes the site characterization activities conducted on a specified portion of the property located at 321 Railroad Avenue, City of Peekskill, Westchester County, New York and is not relevant to other portions of this property or any other property. It is a representation of those portions of the property analyzed as of the respective dates of fieldwork. This Report cannot be held accountable for activities or events resulting in contamination after the dates of fieldwork.

Services summarized in this Report were performed in accordance with generally accepted practices and established New York State Department of Environmental Conservation (NYSDEC) protocols. Unless specifically noted, the findings and conclusions contained herein must be considered not as scientific certainties, but as probabilities based on professional judgement.

1.3 Site Location and Description

The subject property is an irregular-shaped parcel having frontage on the eastern side of Railroad Avenue. A small, one-story concrete-block building, occupied by a taxi dispatcher and dry cleaning drop-off facility, is located on the central portion of the property. The remainder of the property is primarily utilized as a commuter parking lot.

The specified portion of the property on which the subsurface investigation was conducted (hereafter referred to as the "Site") consists of areas to the south and west of the on-site building (a former service station), which have been impacted by petroleum releases. The source of the petroleum contamination is likely to have been two inactive underground storage tanks (USTs) located to the south of the building, and/or from the former fuel-pump island and piping network. A Fieldwork Map indicating specific Site characteristics is located in Appendix A of this Report.

1.4 Previous Environmental Reports

A Phase I Environmental Site Assessment was performed on the subject property by ESI in October 2004 and a Phase II Investigation was conducted in November 2005 (based on evidence of historic use of the property as a service station). The Phase II Investigation consisted of the completion of a ground penetrating radar (GPR) survey and the extension of soil borings. The findings of these investigations are documented in a Combined Phase I and II Environmental Site Assessment ("Combined Phase I/II") issued by ESI on December 15, 2005.

The GPR survey was conducted in the area surrounding the on-site structure. Two 550-gallon USTs, a former fuel-pump island, and buried piping between the tanks and the fuel-pump island were identified and field marked, based on direct instrument readings. The USTs are located approximately 15 feet south of the building and are oriented in an east/west direction. Fill ports for the USTs were located and the tops of the tanks determined to be approximately 2 to 3 feet below surface grade (bsg). The tanks were partially filled with water at the time of the investigation. The former fuel-pump island was estimated to have been located approximately 15' west of the building. No other tanks were identified in the vicinity of the building during the completion of the GPR survey.

Eight soil borings were mechanically extended on the Site. Sampling was conducted at each boring location at four-foot intervals to a maximum depth of 12' bsg. Subsurface materials generally consisted of dark, variable texture sands (likely to be fill materials). Saturated soils were encountered at 6 to 8' bsg.

Field evidence of significant contamination, including the presence of non-aqueous-phase liquids (NAPL), was observed in several borings located near and immediately downgradient of the USTs, and overtly impacted soils were observed to extend into the saturated zone (Table 1, Appendix B). Elevated concentrations of petroleum products were documented in soil samples collected from areas exhibiting evidence of NAPL (Tables 1, Appendix B). Low levels of petroleum constituents were detected (at a minimum) in all downgradient sampling locations. No PCBs or significant quantities of metals were detected in a subsurface sample collected adjacent to, and downgradient of, the USTs. These findings are consistent with a release of petroleum products from the USTs and/or the former fuel-pump island/piping network. ESI reported a spill event to the NYSDEC (#0409835) on December 3, 2004.

The Combined Phase I/II concluded that: 1) existing laboratory were insufficient to fully define the horizontal and vertical extent of petroleum contamination; 2) on-site groundwater may have been impacted by the petroleum release; and, 3) the removal of the USTs and associated contaminated soils would eliminate the most likely source(s) that could potentially contribute to the degradation of groundwater quality.

1.5 Objectives

The objectives of the Supplemental Soil and Groundwater Investigation were as follows:

- To provide additional information as to the extent of documented petroleum contamination of on-site soils;
- To provided documentation of existing groundwater quality; and,
- To suggest, if appropriate, further investigative and/or remedial options regarding identified on-site contamination.

2.0 SUBSURFACE INVESTIGATION

2.1 Summary of Services

In order to achieve the objective specified in Section 1.5, above, the following services were conducted by ESI on selected portions of the Site:

- Extended six soil borings on the Site to a maximum depth of approximately 8' bsg in the vicinity of two identified USTs, a former fuel-pump island, and likely down-gradient areas;
- Installed 3 temporary well-points at 3 of the boring locations; and,
- Documented the on-site presence or absence of contamination through sampling and laboratory analysis of soil samples for volatile organic compounds (VOCs) and polycyclic aromatic hydrocarbons (PAHs), and groundwater samples for VOCs.

This Report is divided into individual sections that describe the fieldwork conducted by ESI at the Site (Section 2.2), laboratory analysis of samples (Section 2.3), and conclusions and recommendations (Section 3.0).

2.2 Fieldwork Methodology

2.2.1 Site Preparation Services

Prior to the initiation of fieldwork, a request for a complete utility markout of the subject property was submitted by ESI as required by New York State Department of Labor regulations. Confirmation of underground utility locations was secured and a field check of the utility markout was conducted prior to the extension of soil borings.

2.2.2 Extension of Soil Borings

ESI personnel supervised the extension of eight soil borings on the Site by Enviroprobe Service, Inc. on January 15, 2005. These soil borings were extended in the vicinity of the tanks (GP-10, GP-11, and TMW-1), near the northwest corner of the on-site structure (GP-12), and downgradient of the tanks and former fuel-pump island, near the western property line (GP-9 and GP-13). All soil borings were extended using a truck-mounted Geoprobe© direct-push coring device equipped with disposable acetate sleeves (used to prevent the cross contamination of soil samples). Borings GP-9, GP-10, and GP-11 were pre-probed to 4' bsg prior to soil sampling, and TMW-1 was pre-probed to 8' bsg (this location was utilized only for water collection (see Section 2.2.3).

Sampling was conducted at each boring location at four-foot intervals to a maximum depth of 8' below grade or until refusal was reached. The sampling spoon was decontaminated prior to the initiation of fieldwork and after the collection of each sample following established NYSDEC protocols.

A MiniRAE 2000 (Model PGM 7600) photo-ionization detector (PID) was utilized by ESI personnel to screen all encountered material for the presence of any volatile organic vapors where appropriate. Prior to the initiation of fieldwork, this PID was properly calibrated to read parts per million calibration gas equivalents (ppm-cge) of isobutylene.

An assessment of subsurface soil characteristics, including soil type, the presence of foreign materials, field indications of contamination (e.g., unusual coloration patterns, or odors), and instrument indications of contamination (i.e., PID readings) was made by ESI personnel during

the extension of each soil boring. ESI personnel maintained independent field logs documenting physical characteristics, PID readings, and any field indications of contamination for all encountered material at each boring location. Relevant information from ESI logs for each boring location is summarized in Table 2, Appendix B.

Subsurface soils encountered at the Site during the extension of the soil borings generally consisted of dark sands (likely to be fill materials) with some deeper layers of silt and organic muck. Groundwater (as evidenced by saturated soil) was encountered at 4' bsg during the extension of the soil borings.

A Fieldwork Map indicating boring locations and associated selected site features is provided in Appendix A.

2.2.3 Sample Collection

All samples collected during the fieldwork conducted by ESI were obtained in a manner consistent with NYSDEC sample collection and decontamination protocols. Decontaminated stainless steel trowels and dedicated gloves were used at each soil sample location to place the material into jars pre-cleaned at the laboratory. Prior to the collection of each material sample, the sample collection instrument was decontaminated to avoid cross-contamination between samples.

Temporary 1" PVC well-points with 0.1" screens were installed at GP-9, GP-13, and TMW-1, in order to collect groundwater samples. These temporary wells were purged prior to sampling of at least three well volumes (using a peristaltic pump and dedicated plastic tubing), in order to facilitate the clearing of fine-grained suspended material. An obvious petroleum sheen was noted on the purge water from GP-13. Subsequent to well purging, a groundwater sample was collected in laboratory supplied glass vials containing an acid preservative.

All sample containers were placed in a cooler immediately after sample collection and were maintained at cool temperatures prior to transport to the laboratory. The soil samples were transported the following day via courier to York Analytical Laboratories, Inc. (York Laboratories), a New York State Department of Health-certified laboratory (ELAP Certification Number 10854) for chemical analyses. Appropriate chain-of-custody procedures were followed.

2.3 Laboratory Analysis

2.3.1 Guidance Levels

The term "guidance level," as defined in this Report, refers to the concentration of a particular contaminant above which remedial actions are considered more likely. The overall objective of setting guidance levels is to assess the integrity of on-site soils relative to conditions which are likely to present a threat to public health or the environment, given the existing and probable future uses of the site. On-site soils with contaminant levels exceeding these guidance levels are considered more likely to warrant remediation. No independent risk assessment was performed as part of this investigation.

The guidance levels identified in this Report for petroleum hydrocarbons in soils are based on "recommended cleanup objectives" contained in the NYSDEC's Technical and Administrative Guidance Memorandum #4046 (TAGM), dated January 24, 1994, as modified by subsequent NYSDEC memoranda. Guidance levels for hydrocarbons in groundwater are based on the NYSDEC's Water Quality Regulations Surface Water and Groundwater Classification and

Standards, 6 NYCRR Parts 700-705, as amended. All data presented in this Report have been analyzed in accordance with applicable NYSDEC standards.

2.3.3 Laboratory Results

A summary of the results of the laboratory analyses conducted on soil and water samples is presented below (Data Summary Tables are presented in Appendix C and complete copies of Laboratory Reports are included as Appendix D). Recommendations regarding these findings are located in Section 3.0 of this Report, Conclusions and Recommendations.

SOIL

VOCs

Samples GP-9 (4-8') through GP-13 (4-8') and HB-6 (10-11') were analyzed for the presence of VOCs utilizing USEPA Method 8021 STARS List. Multiple VOCs were detected in sample GP-13 at concentrations below guidance levels; reported laboratory minimum detection limits for this sample, however, were 200 parts per billion (ppb), would could be masking low level exceedences of benzene (guidance level 60 ppb) or MTBE (guidance level 120 ppb). Low levels of two VOCs were detected in sample GP-12. No VOCs were detected in any other samples. No benzene or MTBE was detected in any sample submitted for laboratory analysis.

PAHs

Samples GP-9 (4-8') and GP-13 (4-8') were analyzed for the presence of PAHs utilizing USEPA Method 8270. Multiple PAHs were detected at relatively low concentrations in both samples. Two PAHs (peak concentration of 330 ppb) were reported above guidance levels in GP-9 and one PAH (peak concentration of 75 ppb) was detected above the guidance level in GP-13.

GROUNDWATER

Groundwater samples TMW-1, TMW-9, and TMW-13 were analyzed for the presence of VOCs utilizing USEPA Method 8260. Fourteen VOCs (BTEX and associated compounds) were detected in sample TMW-13. Ten of these compounds were detected at concentrations exceeding guidance levels, including benzene (7 ppb) and n-propylbenzene (220 ppb, the peak VOC concentration). Low levels of ethylbenzene (2 ppb) and n-propylbenzene (1 ppb) were detected in sample TMW-1. No halogenated hydrocarbons were detected in either sample. No VOCs were detected in sample TMW-9.

3.0 CONCLUSIONS AND RECOMMENDATIONS

This office has completed the services summarized in Section 2.0 on specified portions of the property located at 321 Railroad Avenue, City of Peekskill, Westchester County, New York. Services included the extension of 6 soil borings, and the installation of 3 well-points, in order to provide additional data regarding know on-site petroleum contamination. Based on the services provided and data generated, the following conclusions and recommendations (in **bold**) have been made.

1. The Site is a former service station, which contains two improperly abandoned, 550-gallon underground storage tanks (USTs). These tanks appear to have been abandoned for some time and contain water, suggesting that they are not structurally sound. Field evidence of petroleum impacted soil has been observed in the vicinity of the USTs and former fuel-pump island, and to the west (i.e. downgradient) of the tanks, during fieldwork events in November 2004 and January 2005. Laboratory analysis of soil samples confirms the presence of elevated concentrations of both volatile organic compounds (VOCs) and polycyclic aromatic hydrocarbons (PAHs) in soil samples. Based on these findings a spill event (#0409835) was reported to the NYSDEC in December 2004. The source of this documented contamination is likely to have been a release from the on-site USTs and/or former fuel-pump island. The NYSDEC will require the removal of the tanks and surrounding contaminated soils in order to close the spill file. Elevated PAH concentrations at soil samples (with the exception of GP-5 [8-12']) are likely to be indicative of contributions from on-site fill.

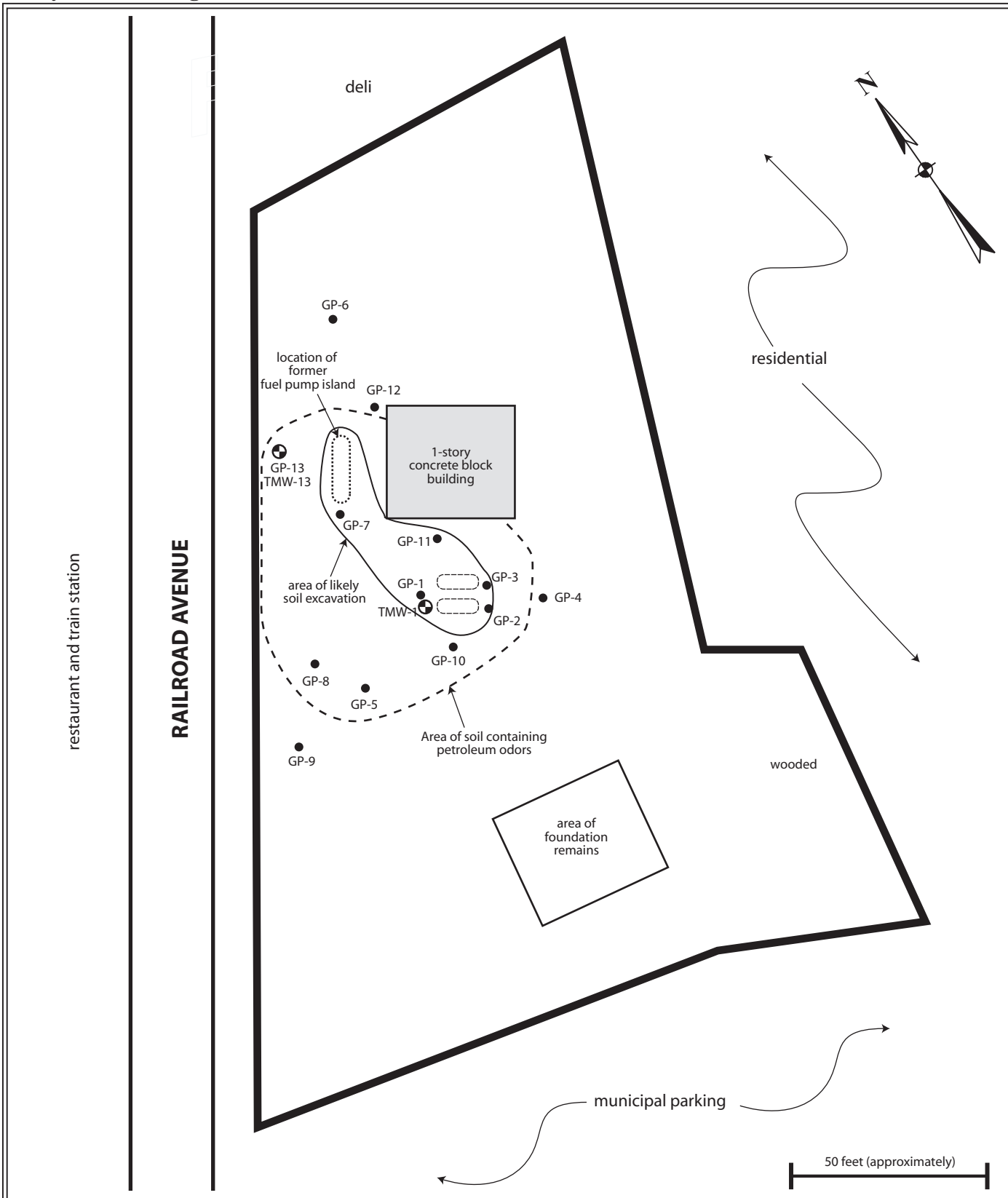
   An analysis of laboratory data indicates that between 300 and 600 cubic yards of soil with contaminant concentrations exceeding TAGM cleanup objectives are present at the Site. Additional subsurface soils exhibiting petroleum odors are present on the Site; although the NYSDEC will not require removal of these soils, this material will require special handling and will incur additional disposal costs if it is excavated during site development activities.

   It is recommended that the USTs, any existing subgrade piping, and all soils containing significantly elevated petroleum concentrations be excavated and removed from the subject property according to a NYSDEC approved Workplan. A copy of this Report should be provided to the NYSDEC.

   Estimated cost of tank removal : $5,000
   Estimated cost of contaminated soil removal (transport and offsite disposal): $30,000 to $60,000
   Note: no estimate is provided for site restoration activities

2. Fieldwork observations and laboratory data document VOC contamination in groundwater at the western margin of the subject property (TMW-13), near the former fuel-pump island. Groundwater in the immediate vicinity of the USTs (TMW-1) is not significantly impacted and no evidence of contamination was found at the southwestern corner of the property (TMW-9). Groundwater at TMW-13 contains multiple exceedences for BTEX and related compounds, including benzene (7 ppb) and n-propylbenzene (220 ppb, the peak VOC concentration). No MTBE or halogenated hydrocarbons were detected in on groundwater. The presence of elevated VOC concentrations at TMW-13 suggests that impacted groundwater may extend beneath Railroad Avenue. Documented VOC concentrations are relatively low and it is ESI's opinion that active groundwater remediation is not warranted at this time. Groundwater quality is expected to improve following removal of the source of contamination (the USTs and contaminated soil). The NYSDEC is likely to require quarterly monitoring to document groundwater quality.

   It is recommended that permanent groundwater monitoring wells be installed (if required by the NYSDEC) subsequent to tank and soil removal and that quarterly monitoring be conducted according to a NYSDEC approved Workplan.



All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Fieldwork Map

307 and 321 Railroad Avenue
City of Peekskill
Westchester County, New York

Legend:
- subject property border
- former building location
- sampling location
- monitoring well and sample location
- 550-gallon UST

ESI File: GP04143.10

February 2005

Scale as shown

Attachment

Table 3: Detected VOCs in Soils - November 2004 Fieldwork Event

All results measured in μg/kg (parts per billion). Results in **bold** exceed designated guidance levels.

Compound (USEPA Method 8021)	Guidance level	Sample Identification											
		GP-1 (4'-8')	GP-1 (8'-12')	GP-3 (8'-12')	GP-4 (4'-8')	GP-5 (4'-8')	GP-5 (8'-12')	GP-6 (8'-12')	GP-7 (4'-8')	GP-7 (8'-12')	GP-7 (0'-4')	GP-8 (4'-8')	GP-8 (8'-12')
1,2,4-Trimethylbenzene	**10,000**	590	ND	130	ND	160	ND	ND	9,100	12	520	39	ND
1,3,5-Trimethylbenzene	**3,300**	ND	ND	78	ND	ND	ND	ND	2,200	10	98	11	ND
Benzene	**60**	**140**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**5,500**	570	ND	39	ND	ND	ND	ND	1,100	ND	ND	ND	ND
Isopropylbenzene	**2,300**	460	ND	54	ND	ND	ND	ND	420	ND	ND	13	ND
Methyl tert-butyl ether (MTBE)	**120**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	**13,000**	4,600	ND	110	ND	ND	10,000	ND	2,000	15	810	68	ND
n-Butylbenzene	**10,000**	1,800	ND	240	ND	120	ND	ND	ND	6	280	140	ND
n-Propylbenzene	**3,700**	2,600	ND	120	ND	35	ND	ND	1,400	ND	16	100	ND
o-Xylene	**1,200**	300	ND	ND	ND	ND	ND	ND	350	8	ND	10	ND
p-&m-Xylenes	**1,200**	**1,300**	ND	34	ND	ND	ND	ND	950	13	19	33	ND
total Xylenes	**1,200**	**1,600**	ND	34	ND	ND	ND	ND	**1,300**	21	19	43	ND
p-Isopropyltoluene	**10,000**	ND	ND	32	25	ND	ND	ND	140	ND	21	ND	ND
sec-Butylbenzene	**10,000**	610	ND	96	25	43	ND	ND	180	ND	33	49	ND
tert-Butylbenzene	**10,000**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**1,500**	380	ND	35	ND	ND	ND	ND	ND	ND	ND	11	ND

Notes:
Guidance levels based on NYSDEC Technical and Administrative Guidance Memorandum #4046 and subsequent memoranda.
ND = Not Detected

Table 4: PAHs in Soils - November 2004 Fieldwork Event

All results measured in μg/kg (parts per billion). Results in **bold** exceed designated guidance levels.

Compound (USEPA Method 8270)	Guidance level	Sample Identification							
		GP-1 (4'-8')	GP-1 (8'-12')	GP-5 (4'-8')	GP-5 (8'-12')	GP-7 (4'-8')	GP-7 (8'-12')	GP-8 (4'-8')	GP-8 (8'-12')
Acenaphthene	**50,000**	ND	ND	91	13,000	ND	ND	ND	ND
Acenaphthylene	**41,000**	ND	ND	ND	5,100	59	ND	110	ND
Anthracene	**50,000**	ND	ND	91	23,000	460	ND	500	ND
Benzo(a)anthracene	**224**	ND	ND	74	**31,000**	**690**	ND	**550**	110
Benzo(a)pyrene	**61**	ND	ND	ND	**18,000**	**360**	ND	**460**	ND
Benzo(b)fluoranthene	**1,100**	ND	ND	ND	**21,000**	330	ND	300	ND
Benzo(g,h,i)perylene	**50,000**	ND	ND	ND	ND	ND	ND	120	ND
Benzo(k)fluoranthene	**1,100**	ND	ND	ND	**21,000**	520	ND	470	ND
Chrysene	**400**	ND	100	70	**24,000**	**590**	ND	**560**	120
Dibenzo(a,h)anthracene	**14**	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	**50,000**	ND	ND	170	**55,000**	770	ND	1,600	310
Fluorene	**50,000**	ND	ND	100	21,000	140	ND	230	ND
Indeno(1,2,3-cd)pyrene	**3,200**	ND	ND	ND	ND	ND	ND	140	ND
Naphthalene	**13,000**	310	ND	500	**21,000**	1,500	81	ND	ND
Phenanthrene	**50,000**	ND	ND	330	**74,000**	1,400	ND	1,900	290
Pyrene	**50,000**	ND	160	140	48,000	670	ND	1,300	260

Notes:
Guidance levels based on NYSDEC Technical and Administrative Guidance Memorandum #4046 and subsequent memoranda.

ND = Not Detected

Table 5: RCRA Metals in Soils - November 2004 Fieldwork Event

All results measured in mg/kg (parts per million). Results in bold exceed designated guidance levels.

Compound	Eastern USA Background	Guidance level	Sample Identification									
			GP-1 (0'-4')	GP-1 (4'-8')	GP-1 (8'-12')	GP-2 (0'-4')	GP-3 (0'-4')	GP-4 (0'-4')	GP-5 (0'-4')	GP-6 (0'-4')	GP-7 (0'-4')	GP-8 (0'-4')
Arsenic	**3 – 12**	**7.5 or SB**	NA	6.22	9.41	NA	NA	NA	NA	NA	NA	NA
Barium	**15 – 600**	**300 or SB**	NA	60.5	49.0	NA	NA	NA	NA	NA	NA	NA
Cadmium	**0.1 – 1**	**1 or SB**	NA	1.93	2.36	NA	NA	NA	NA	NA	NA	NA
Chromium	**1.5 – 4.0**	**10 or SB**	NA	14.5	14.8	NA	NA	NA	NA	NA	NA	NA
Lead	**4 – 500**	**SB**	76.8	70.4	36.5	74.7	75.2	35.4	52.1	31.3	76	173
Mercury	**0.001 – 0.2**	**0.1**	NA	0.27	ND	NA	NA	NA	NA	NA	NA	NA
Selenium	**0.1 – 3.9**	**2 or SB**	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA
Silver	**NP**	**SB**	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA

Notes:
Guidance levels based on NYSDEC Technical and Administrative Guidance Memorandum #4046 and subsequent memoranda.

ND = Not Detected NA= Not Analyzed SB = Site Background

Table 6: Detected VOCs in Soils - January 2005 Fieldwork Event

All results measured in μg/kg (parts per billion). Results in **bold** exceed designated guidance levels.

Compound (USEPA Method 8021)	Guidance level	Sample Identification				
		GP-9 (4'-8')	GP-10 (4'-8')	GP-11 (4'-8')	GP-12 (4'-8')	GP-13 (4'-8')
1,2,4-Trimethylbenzene	**10,000**	ND	ND	ND	ND	380
1,3,5-Trimethylbenzene	**3,300**	ND	ND	ND	ND	350
Benzene	**60**	ND	ND	ND	ND	ND
Ethylbenzene	**5,500**	ND	ND	ND	ND	ND
Isopropylbenzene	**2,300**	ND	ND	ND	ND	550
Methyl tert-butyl ether (MTBE)	**120**	ND	ND	ND	ND	ND
Naphthalene	**13,000**	ND	ND	ND	91	1,400
n-Butylbenzene	**10,000**	ND	ND	ND	ND	2,400
n-Propylbenzene	**3,700**	ND	ND	ND	ND	2,100
o-Xylene	**1,200**	ND	ND	ND	ND	ND
p-&m-Xylenes	**1,200**	ND	ND	ND	ND	ND
total Xylenes	**1,200**	ND	ND	ND	ND	ND
p-Isopropyltoluene	**10,000**	ND	ND	ND	ND	240
sec-Butylbenzene	**10,000**	ND	ND	ND	7	740
tert-Butylbenzene	**10,000**	ND	ND	ND	ND	ND
Toluene	**1,500**	ND	ND	ND	ND	ND

Notes:

Guidance levels based on NYSDEC Technical and Administrative Guidance Memorandum #4046 and subsequent memoranda.

ND = Not Detected

Table 7: PAHs in Soils - January 2005 Fieldwork Event

All results measured in μg/kg (parts per billion). Results in **bold** exceed designated guidance levels.

Compound (USEPA Method 8270)	Guidance level	Sample Identification	
		GP-9 (4'-8')	GP-13 (4'-8')
Acenaphthene	**50,000**	59	ND
Acenaphthylene	**41,000**	ND	ND
Anthracene	**50,000**	140	ND
Benzo(a)anthracene	**224**	**330**	80
Benzo(a)pyrene	**61**	**260**	**75**
Benzo(b)fluoranthene	**1,100**	200	64
Benzo(g,h,i)perylene	**50,000**	ND	ND
Benzo(k)fluoranthene	**1,100**	300	84
Chrysene	**400**	300	86
Dibenzo(a,h)anthracene	**14**	ND	ND
Fluoranthene	**50,000**	580	120
Fluorene	**50,000**	69	ND
Indeno(1,2,3-cd)pyrene	**3,200**	57	ND
Naphthalene	**13,000**	ND	210
Phenanthrene	**50,000**	500	90
Pyrene	**50,000**	500	120

Notes:
Guidance levels based on NYSDEC Technical and Administrative Guidance Memorandum #4046 and subsequent memoranda.

ND = Not Detected

Table 8: VOCs in Water - January 2005 Fieldwork Event

All results measured in μg/kg (parts per billion). Results in **bold** exceed designated guidance levels.

Compound (USEPA Method 8260)	Guidance level	Sample Identification		
		TMW-1	TMW-9	TMW-13
1,1,1,2-Tetrachloroethane	5	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND
1,1-Dichloroethylene	5	ND	ND	ND
1,1-Dichloropropylene	5	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND
1,2,3-Trichloropropane	0.04	ND	ND	ND
1,2,3-Trimethylbenzene	5	ND	ND	4
1,2,4-Trichlorobenzene	5	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	ND	ND	ND
1,2-Dibromoethane	5	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND
1,2-Dichloroethane	5	ND	ND	ND
1,2-Dichloroethylene (total)	5	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	**6**
1,3-Dichlorobenzene	3	ND	ND	ND
1,3-Dichloropropane	5	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND
1-Chlorohexane	5	ND	ND	ND
2,2-Dichloropropane	5	ND	ND	ND
2-Chlorotoluene	5	ND	ND	ND
4-Chlorotoluene	5	ND	ND	ND
Benzene	0.7	ND	ND	**7**
Bromobenzene	5	ND	ND	ND
Bromochloromethane	5	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND
Bromoform	50	ND	ND	ND
Bromomethane	5	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND
Chlorobenzene	5	ND	ND	ND
Chloroethane	5	ND	ND	ND
Chloroform	7	ND	ND	ND
Chloromethane	5	ND	ND	ND
Cis-1,3-Dichloropropylene	0.4	ND	ND	ND
Dibromochloromethane	5	ND	ND	ND
Dibromomethane	5	ND	ND	ND
Dichlorodifluoromethane	5	ND	ND	ND
Ethylbenzene	5	2	ND	**13**
Hexachlorobutadiene	0.5	ND	ND	ND
Isopropylbenzene	5	ND	ND	**79**
Methyl tert-butyl ether (MTBE)	10	ND	ND	ND
Methylene chloride	5	ND	ND	ND
Naphthalene	10	ND	ND	**11**
n-Butylbenzene	5	ND	ND	**39**
n-Propylbenzene	5	1	ND	**220**
o-Xylene	5	ND	ND	3
p-&m-Xylenes	5	ND	ND	**11**
total Xylenes	5	ND	ND	ND
p-Isopropyltoluene	5	ND	ND	2
sec-Butylbenzene	5	ND	ND	**21**
Styrene	5	ND	ND	ND
tert-Butylbenzene	5	ND	ND	2
Tetrachloroethylene	5	ND	ND	ND
Toluene	5	ND	ND	2
trans-1,3-Dichloropropylene	0.4	ND	ND	ND
Trichloroethylene	5	ND	ND	ND
Trichlorofluoromethane	5	ND	ND	ND
Vinyl chloride	2	ND	ND	ND

Notes:

Guidance levels based on NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1, Ambient Water Quality Standards And Guidance Values And Groundwater Effluent Limitations, October 22, 1993 (Revised June 1988).

ND = Not Detected

Table 1: Fieldwork Observations – November 2004

ID	Location*	Depth	Soil Characteristics	PID Reading	Field Observations
GP-1	22' south 7' east	(0-4')	Medium to dark brown, fine to coarse SAND	0.0 ppm	No evidence of contamination
		(4-8')	Medium to dark brown, fine to coarse SAND	3,000 ppm	Moist to saturated, dark staining with free product, petroleum odor
		(8-12')	Medium to dark brown, fine to coarse SAND	241 ppm	Saturated, dark staining with free product, petroleum odor
GP-2	22' south 20' east	(0-4')	Medium to dark brown, fine to coarse SAND	0.0 ppm	No evidence of contamination
		(4-8')	No recovery		
GP-3	19' south 20' east	(0-4')	Medium to dark brown, fine to coarse SAND	0.0 ppm	No evidence of contamination
		(4-8')	No recovery		
		(8-12')	Fine silty CLAY	425 ppm	Saturated, no staining or odor
GP-4	22' south 39' east	(0-4')	Medium to dark brown, fine to coarse SAND	0.0 ppm	No evidence of contamination
		(4-8')	Medium to dark brown, fine SAND	0.0 ppm	Moist soil, no evidence of contamination
GP-5	43' south	(0-4')	Medium to dark brown, fine to coarse SAND	0.0 ppm	No evidence of contamination
		(4-8')	Medium to dark brown, fine to coarse SAND	0.0 ppm	Moist soil, no evidence of contamination
		(8-12')	Dark brown to black, medium to coarse SAND and GRAVEL	2,037 ppm	Saturated, staining, naphthalene odor
GP-6	46' north 13' west	(0-4')	Brown, medium SAND	324 ppm	No evidence of contamination
		(4-8')	Dark brown, medium SAND	252 ppm	Moist soil, no evidence of contamination
		(8-12')	Dark brown, medium SAND	145 ppm	Saturated, no staining or odor
GP-7	1' north 14' west	(0-4')	Brown, medium SAND	0.0 ppm	Moist, no evidence of contamination
		(4-8')	Dark brown/black, medium SAND	0.0 ppm	Moist, some staining, petroleum odor
		(8-12')	Dark brown/black, medium SAND	3,000 ppm	Saturated, dark staining with free product, petroleum odor
GP-8	30' south 23' west	(0-4')	Light-brown, medium SAND, with gravel	0.0 ppm	No evidence of contamination
		(4-8')	Dark brown, medium SAND	0.0 ppm	Moist soil, no evidence of contamination
		(8-12')	Dark brown/black, medium SAND	2,100 ppm	Saturated, no staining or odor

* All locations measured from southwestern corner of building.

Table 2: Fieldwork Observations – January 2005

ID	Location*	Depth	Soil Characteristics	PID Reading	Field Observations
GP-9 (TMW-9)	80' south 15' west	(0-4')	Pre-probe to 4'	N/A	No soil recovery
		(4-8')	Dark brownish-black ORGANIC MUCK	0.0 ppm	Saturated, no evidence of contamination
GP-10	40' south 25' east	(0-4')	Pre-probe to 4'	N/A	No soil recovery
		(4-8')	Blackish-brown SILT and ORGANIC MUCK, coal fragments at 7.5'	0.2 ppm	Saturated, no odors or staining
GP-11	7' south 15' east	(0-4')	Pre-probe to 4'	N/A	No soil recovery
		(4-8')	Medium to dark brown, medium SAND and SILT	206 ppm	Saturated, slight odor of gasoline
GP-12	7' south 2' west	(0-4')	SAND and SILT	0.0 ppm	Moist, slight odor of gasoline
		(4-5')	SAND and SILT	0.0 ppm	Saturated
		(5-8')	Dark brownish-black ORGANIC MUCK	0.0 ppm	Saturated
GP-13	12' south 22' west	(0-4')	Medium to dark brown, SAND and SILT	0.0 ppm	Saturated, slight odor of gasoline
		(4-5')	Dark blackish-brown, medium SAND with medium GRAVEL	606 ppm	Saturated, strong odor of gasoline
		(5-8')	Dark brownish-black ORGANIC MUCK	606 ppm	Saturated, strong odor of gasoline
TMW-1	22' south 7' east	(0-8')	Pre-probe to 8'	N/A	No soil recovery

* Boring locations measured from southwest corner of building (GP-9 through GP-11 and TMW-1) and from northwest corner (GP-12 and GP-13).