

J.C. Broderick & Associates, Inc.

Environmental / Construction Consulting & Testing

April 29, 2025

Mr. Gregory Hamilton
Syosset Central School District
Administrative Offices
99 Pell Lane
Syosset, New York 11791



Re: Collection and Analysis of Environmental Soil Samples for Site Screening at:

**Site: South Grove Elementary School
60 Colony Lane
Syosset, New York 11791
Site Visit: February 19 and 28, 2025**

JCB#: 25-60520

Dear Mr. Hamilton:

J.C. Broderick & Associates, Inc. (JCB) was retained by the Syosset Central School District to perform a soils investigation at the above referenced school campus. The purpose of this investigation was to assist in the determination for the proper use, transportation and disposal of any soils generated during the construction of a new school bus loop. The site visits were performed by experienced JCB technicians on the above referenced dates and consisted of the following:

- With the use of a truck mounted Geoprobe® Model 5410 direct push sampling rig, two (2) soil borings were advanced to a total depth of four (4) feet below surface grade (bsg) and one (1) soil boring was advanced to a total depth of 12 feet bsg in the locations selected by JCB based on the site plan provided by H2M Architects, Engineers, Land Surveying and Landscape Architecture, D.P.C (H2M). The borings were advanced to collect samples of soil proposed to be excavated for on-site reuse or removed for off-site disposal as part of the construction of a new school bus loop at the above referenced school campus. Upon completion, the borings were restored to original grade.
- With the use of a stainless-steel hand auger, two (2) additional soil samples were collected in the locations selected by JCB based on the site plan provided by H2M. These samples were collected to increase the available quantity of soil to be excavated for on-site reuse or off-site disposal.
- Based on similar scope of work, the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation recommends six (6) discrete samples for analysis of volatile organic compounds (VOCs) be collected and three (3) samples for analysis of semi-volatile organic compounds (SVOCs), priority pollutant metals, PCBs, herbicides, and pesticides be collected.

Section No. 1: Summary of Sample Collection and Submission

The following section summarizes the environmental sampling performed. Please refer to Table No. 2: Summary of Detected Compounds, Sample Locations Map, Field Photograph Logs, and Laboratory Analytical Reports located in the attachments of this report for additional details.

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On February 19, 2025, a total of four (4) soil samples were collected utilizing a truck mounted Geoprobe® Model 5410 from the areas of the proposed bus loop at the above referenced school campus. On February 28, 2025, a total of two (2) additional soil samples were collected utilizing a stainless-steel hand auger from the areas of the proposed bus loop at the above referenced school campus. Details pertaining to the sample locations can be referenced in the Sample Locations Map, Attachment 2 located at the end of this report.

The collected samples were placed into laboratory supplied containers and under a chain of custody document delivered to an independent New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory for analysis of New York State Department of Environmental Conservation (NYSDEC) 6NYCRR Part 375 volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), herbicides and metals.

The following table summarizes the soil samples submitted for laboratory analysis:

Table No. 1: Summary Soil Samples Submitted for Laboratory Analysis			
Sample ID#	Date Sampled	Description of Sample	Analysis Method
S-1	02/19/2025	Soil Sample at 4 Feet bsg	NYSDEC Part 375 Table 6.8 VOCs, SVOCs, Pesticides, PCBs, Herbicides and Metals
S-2	02/19/2025	Soil Sample at 12 Feet bsg	NYSDEC Part 375 Table 6.8 VOCs
S-3	02/19/2025	Soil Sample at 4 Feet bsg	NYSDEC Part 375 Table 6.8 VOCs
S-4	02/19/2025	Soil Sample at 4 Feet bsg	NYSDEC Part 375 Table 6.8 VOCs, SVOCs, Pesticides, PCBs, Herbicides and Metals
S-5	02/28/2025	Soil Sample at 4 Feet bsg	NYSDEC Part 375 Table 6.8 VOCs, SVOCs, Pesticides, PCBs, Herbicides and Metals
S-6	02/28/2025	Soil Sample at 4 Feet bsg	NYSDEC Part 375 Table 6.8 VOCs
Notes: NYSDEC = New York State Department of Environmental Conservation VOCs = Volatile Organic Compounds SVOCs = Semi-Volatile Organic Compounds PCBs = Polychlorinated Biphenyls bsg = Below Surface Grade			

Section No. 2.0: Summary of Laboratory Analysis

The following section summarizes the laboratory analysis of the collected soil samples.

The laboratory analysis results from the soil samples were reviewed and compared to the Restricted-Residential Use Soil Cleanup Objectives (land use category for schools) as listed in Table 375-6.8(b) of the *6NYCRR 375 New York State Department of Environmental Conservation Remedial Program Soil Cleanup Objectives*, dated December 14, 2006, and all available updates.

The laboratory analysis results from the soil samples were also reviewed and compared to the Fill Material Beneficial Use as listed in Table 2 of Section 360.13(f) in the *6NYCRR 360 Solid Waste Management Facilities*, dated July 22, 2023, and all available updates.

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- The laboratory analysis performed revealed results for VOCs, SVOCs, Pesticides, PCBs, Herbicides and Metals below the Restricted Residential Use, Protection of Groundwater, and Commercial Use designation as per NYSDEC Part 375 Table 375-6.8(b) at four (4) sample locations (S-1, S-2, S-3, and S-6).
- The laboratory analysis performed indicated an elevated level of Arsenic at two (2) sample locations (S-4 and S-5) with a concentration of 25.5 mg/kg and 39.2 mg/kg respectively in exceedance of the Restricted-Residential Use, Protection of Groundwater, and Commercial Use designations of 16.0 mg/kg as per NYSDEC Part 375 Table 375-6.8(b).

The USEPA considers any concentration of arsenic in soil less than 68 mg/kg within the acceptable risk range and protective of human health (USEPA Memorandum dated 12/13/2016).

- The laboratory analysis performed indicated an elevated level of Mercury at one (1) sample location (S-5) with a concentration of 1.60 mg/kg in exceedance of the Restricted Residential Use and Protection of Groundwater designations of 0.81 mg/kg and 0.73 mg/kg respectively as per NYSDEC Part 375 Table 375-6.8(b).

The USEPA does not have a universal risk level for mercury in soil; however, the National Institutes of Health (NIH) suggests a countermeasures standard in farmland of 10 mg/kg. New York State considers a level greater than 1.6 mg/kg a higher risk and steps should be taken to limit exposure such as washing hands.

The soil analytical results of detected compounds are presented in Table No. 2: Summary of Detected Compounds located in **Attachment 1**. The soil analytical laboratory report is located in **Attachment 4**.

Section No. 3.0: Quality Assurance and Quality Control (QA/QC) Procedures

In order to prevent cross-contamination between sampling locations, all re-usable sampling equipment which came into contact with sample materials was decontaminated prior to each use. Equipment used for sample collection was wiped clean, washed in a solution of Alconox and thoroughly rinsed with potable water. All down-hole equipment which did not come into contact with sample material was pressure rinsed with potable water prior to the start of each boring. All sampling personnel wore disposable latex, nylon, or nitrile gloves during sampling events. At a minimum, gloves were changed between boring locations and before each laboratory sample were collected. All collected samples were placed into an appropriately conditioned cooler for storage and transported to the laboratory. Samples were maintained between 0°C and 8°C.

Section 4.0: Conclusions

The review of the laboratory analytical report revealed the following significant findings:

Pertaining to Use of Generated Soils on School Property

The sampling and laboratory analysis from soil samples S-1, S-2, S-3, and S-6 revealed results for VOCs, SVOCs, Pesticides, PCBs, Herbicides and Metals below the Restricted Residential Use SCOs as per NYSDEC Part 375. As such the proposed excavated or disturbed soils associated with this area may be utilized onsite where the material meets the engineering criteria for use.

The sampling and laboratory analysis performed from two (2) sampling location S-4 and S-5 revealed results for Arsenic and Mercury above the Restricted-Residential Use SCO as per NYSDEC Part 375. As

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such all proposed excavated or disturbed soils from the approximate 12,000 square foot area associated with sample locations S-4 and S-5 cannot be reused on site for any purpose.

Pertaining to Transportation and Disposal of Generated Soils

The sampling and laboratory analysis performed from soil sampling locations S-1, S-2, S-3, and S-6 revealed results below Residential Use and Protection of Groundwater SCOs as per NYSDEC Part 375-6.8(b) and therefore meets Fill Type 2 (F2) as defined by 6NYCRR 360 Solid Waste Management Facilities Table 2 of Section 360.13(f). As such the soils excavated or disturbed from the area associated with these sampling locations may be transported off site and utilized at any setting where the fill meets the engineering criteria for use, except agricultural land used for raising livestock or producing animal products for human consumption.

The sampling and laboratory analysis performed from two sampling locations S-4 and S-5 revealed results for Arsenic and Mercury above Commercial Use as per NYSDEC Part 375-6.8(b); therefore, all soils associated with these sample locations which represent approximately 12,000 square feet do not meet the pre-determined beneficial use of 6NYCRR 360 and must be managed at a facility authorized to receive the excavated material.

This may impact the procedures and/or costs for the material to be transported and managed at a facility authorized to receive it. Therefore, the attached laboratory analytical report should be provided to all proposed contractors for assistance in estimating their costs for the proper removal and disposal of the generated soils. It should also be noted that based upon the disposal facility requirements, additional soil sampling may be required.

The contractor shall be required to perform excavation, stockpiling, and loading activities in such a manner as to avoid any surface or atmospheric migration. The owner may implement a community air monitoring program (CAMP) to determine the contractor's compliance with this requirement.

The following project information is included in the attachments of this document.

1. Table No. 2: Summary of Detected Compounds
2. Sample Locations Map
3. Approximate Area of Soil Disposal Map
4. Field Photograph Logs
5. Laboratory Analytical Results

If there are any questions, or if additional information is needed, please feel free to contact our office.

Sincerely,

J.C. Broderick & Associates, Inc.



Steven Muller, P.G.

Director, Subsurface Division

Attachment #1
**Table No. 2: Summary of Detected
Compounds**

Table No. 2:
Summary of Detected Compounds

Sample ID Sampling Date Client Matrix	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Protection of GW	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	Summary of Detected Compounds															
				S1 2/19/2025 Soil		S2 2/19/2025 Soil		S3 2/19/2025 Soil		S4 2/19/2025 Soil		S-5 2/27/2025 Soil		S-6 2/27/2025 Soil					
Compound				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q				
VOA, 8260 MASTER	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg					
Dilution Factor				1.00		1.00		1.00		1.00		1.00		1.00					
Toluene	100	0.7	500	0.00560	J	0.00560	J	0.00740		0.00480	J	0.00670	J	0.00410	J				
SVOA, 8270 MASTER	mg/Kg	mg/Kg	mg/Kg	mg/Kg						mg/Kg		mg/Kg							
Dilution Factor				2.00						2.00		2.00							
Benzo(a)anthracene	1	1	5.6	0.0460	U	NT		NT		0.0761	JD	0.0526	U	NT					
Benzo(a)pyrene	1	22	1	0.0460	U	NT		NT		0.0657	JD	0.0697	JD	NT					
Benzo(b)fluoranthene	1	1.7	5.6	0.0460	U	NT		NT		0.0617	JD	0.0722	JD	NT					
Benzo(g,h,i)perylene	100	1,000	500	0.0460	U	NT		NT		0.0502	U	0.0596	JD	NT					
Benzo(k)fluoranthene	1	1.7	56	0.0460	U	NT		NT		0.0649	JD	0.0596	JD	NT					
Chrysene	1	1	56	0.0460	U	NT		NT		0.0793	JD	0.0554	JD	NT					
Fluoranthene	100	1,000	500	0.0460	U	NT		NT		0.163	D	0.0898	JD	NT					
Indeno(1,2,3-cd)pyrene	0.5	8.2	5.6	0.0460	U	NT		NT		0.0502	U	0.0604	JD	NT					
Phenanthrene	100	1,000	500	0.0460	U	NT		NT		0.0897	JD	0.0526	U	NT					
Pyrene	100	1,000	500	0.0460	U	NT		NT		0.135	D	0.0764	JD	NT					
PEST, 8081 MASTER	mg/Kg	mg/Kg	mg/Kg	mg/Kg						mg/Kg		mg/Kg							
Dilution Factor				5.00						5.00		5.00							
4,4'-DDE	1.8	17	62	0.00223	D	NT		NT		0.00318	DP	0.00279	D	NT					
4,4'-DDT	1.7	136	47	0.00181	U	NT		NT		0.00236	D	0.00208	U	NT					
Dieldrin	0.039	0.1	1.4	0.00181	U	NT		NT		0.00197	U	0.00474	DP	NT					
Heptachlor	0.42	0.38	15	0.00181	U	NT		NT		0.00197	U	0.00761	D	NT					
Metals, NYSDEC Part 375	mg/Kg	mg/Kg	mg/Kg	mg/Kg						mg/Kg		mg/Kg							
Dilution Factor				1.00						1.00		1.00							
Arsenic	16	16	16	9.23		NT		NT		25.5		39.2		NT					
Barium	350	820	400	31.8		NT		NT		37.5		56.9		NT					
Beryllium	14	47	590	0.417		NT		NT		0.562		0.585		NT					
Chromium	~	~	~	14.8		NT		NT		24.9		34.0		NT					
Copper	270	1,720	270	14.5		NT		NT		22.4		40.7		NT					
Lead	400	450	1,000	22.1		NT		NT		30.0		70.0		NT					
Manganese	2,000	2,000	10,000	199		NT		NT		222		250		NT					
Nickel	140	130	310	9.54		NT		NT		12.4		12.8		NT					
Zinc	2,200	2,480	10,000	33.0		NT		NT		52.6		53.9		NT					
Mercury by 7473	mg/Kg	mg/Kg	mg/Kg	mg/Kg						mg/Kg		mg/Kg							
Dilution Factor				1.00						1.00		1.00							
Mercury	0.81	0.73	2.8	0.202		NT		NT		0.323		1.60		NT					
Chromium, Hexavalent	mg/Kg	mg/Kg	mg/Kg	mg/Kg						mg/Kg		mg/Kg							
Dilution Factor				1.00						1.00		1.00							
Chromium, Trivalent	mg/Kg	mg/Kg	mg/Kg	mg/Kg						mg/Kg		mg/Kg							
Dilution Factor				1.00						1.00		1.00							
Chromium, Trivalent	36	~	1,500	14.7		NT		NT		24.8		34.0		NT					
Cyanide, Total	mg/Kg	mg/Kg	mg/Kg	mg/Kg						mg/Kg		mg/Kg							
Dilution Factor				1.00						1.00		1.00							
Total Solids				%		%		%		%		%		%					
Dilution Factor				1.00		1.00		1.00		1.00		1.00		1.00					
% Solids	~	~	~	89.9		98.4		92.8		82.4		78.9		80.0					
HERB, 8151 MASTER	mg/Kg	mg/Kg	mg/Kg	mg/Kg						mg/Kg		mg/Kg							
Dilution Factor				1.00						1.00		1.00							
PCB, 8082 MASTER	mg/Kg	mg/Kg	mg/Kg	mg/Kg						mg/Kg		mg/Kg							
Dilution Factor				1.00						1.00		1.00							

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

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

U=analyte not detected at or above the level indicated

P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis

NT=this indicates the analyte was not a target for this sample

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

Attachment #2

Sample Locations Map



JCB LEGEND

 SOIL BORING LOCATION



J.C. BRODERICK
& Associates
Environmental
Consulting and Testing
1775 Expressway Drive North
Hauppauge, NY 11788
Phone: (631).584.5492
Fax: (631).584.3395

Notes:

South Grove
Elementary School
60 Colony Lane
Syosset, NY 11791

Drawing Title

Field Drawing
of
Sample
Locations Map

Scale	Project No.	Date
N.T.S.	25-60520	02-19-25

Drawn By	Checked By	Page No.
C.C.D.	S.W.M.	1 of 1

Drawing No.

1



J.C. BRODERICK
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Phone: (631).584.5492
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Notes:

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Scale	Project No.	Date
N.T.S.	25-60520	02-19-25

Drawn By	Checked By	Page No.
C.C.D.	S.W.M.	1 of 1

Drawing No.

1

Attachment #3

Field Photograph Logs

Soil Sample No. 6

Soil Sample No. 1 & 2



Field Photograph Log

**Collection and Analysis of Environmental
Soil Samples for Site Screening at**

**South Grove Elementary School
60 Colony Lane
Syosset, New York 11791**

Photo No. 01

JCB#: 25-60520

Soil Sample No. 3



Field Photograph Log

**Collection and Analysis of Environmental
Soil Samples for Site Screening at**

**South Grove Elementary School
60 Colony Lane
Syosset, New York 11791**

Photo No. 02

JCB#: 25-60520

Soil Sample No. 4



Field Photograph Log

**Collection and Analysis of Environmental
Soil Samples for Site Screening at**

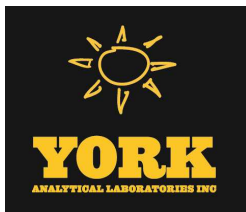
**South Grove Elementary School
60 Colony Lane
Syosset, New York 11791**

Photo No. 03

JCB#: 25-60520

Attachment #4

Laboratory Analytical Results



Technical Report

prepared for:

J.C. Broderick
1775 North Express Drive
Hauppauge NY, 11788
Attention: Steven Muller

Report Date: 02/26/2025
Client Project ID: 25-60520 South Grove ES
York Project (SDG) No.: 25B1152

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723



Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

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(203) 325-1371



132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 02/26/2025
Client Project ID: 25-60520 South Grove ES
York Project (SDG) No.: 25B1152

J.C. Broderick
1775 North Express Drive
Hauppauge NY, 11788
Attention: Steven Muller

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 February 20, 2025 and listed below. The project was identified as your project: **25-60520 South Grove ES**.

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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
25B1152-01	S1	Soil	02/19/2025	02/20/2025
25B1152-02	S2	Soil	02/19/2025	02/20/2025
25B1152-03	S3	Soil	02/19/2025	02/20/2025
25B1152-04	S4	Soil	02/19/2025	02/20/2025

General Notes for York Project (SDG) No.: 25B1152

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, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

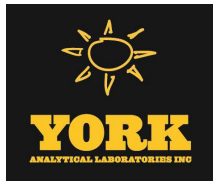
Approved By:



Cassie L. Mosher
Laboratory Manager

Date: 02/26/2025





Sample Information

Client Sample ID: S1

York Sample ID: 25B1152-01

York Project (SDG) No.

25B1152

Client Project ID

25-60520 South Grove ES

Matrix

Soil

Collection Date/Time

February 19, 2025 3:00 pm

Date Received

02/20/2025

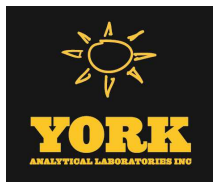
VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.062	0.12	1	EPA 8260D Certifications:	02/22/2025 12:11 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	02/23/2025 02:03	PRS
78-93-3	2-Butanone	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
67-64-1	Acetone	ND		mg/kg dry	0.0062	0.012	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
71-43-2	Benzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
56-23-5	Carbon tetrachloride	ND	CCVE	mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
67-66-3	Chloroform	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS



Sample Information

Client Sample ID: S1

York Sample ID: 25B1152-01

York Project (SDG) No.

25B1152

Client Project ID

25-60520 South Grove ES

Matrix

Soil

Collection Date/Time

February 19, 2025 3:00 pm

Date Received

02/20/2025

VOA, 8260 MASTER

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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0062	0.012	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
91-20-3	Naphthalene	ND		mg/kg dry	0.0031	0.012	1	EPA 8260D Certifications:	02/22/2025 12:11 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	02/23/2025 02:03	PRS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
95-47-6	o-Xylene	ND	CCVE, QL-02	mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	02/23/2025 02:03	PRS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0062	0.012	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	02/23/2025 02:03	PRS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
108-88-3	Toluene	0.0056	J	mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0093	0.019	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:03	PRS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	105 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	121 %	76-130								

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: S1

York Sample ID: 25B1152-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25B1152

25-60520 South Grove ES

Soil

February 19, 2025 3:00 pm

02/20/2025

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270E Certifications:	02/23/2025 07:13 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/24/2025 19:00	SS
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270E Certifications:	02/23/2025 07:13 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/24/2025 19:00	SS
83-32-9	Acenaphthene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270E Certifications:	02/23/2025 07:13 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/24/2025 19:00	SS
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270E Certifications:	02/23/2025 07:13 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/24/2025 19:00	SS
120-12-7	Anthracene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270E Certifications:	02/23/2025 07:13 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/24/2025 19:00	SS
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270E Certifications:	02/23/2025 07:13 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/24/2025 19:00	SS
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270E Certifications:	02/23/2025 07:13 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/24/2025 19:00	SS
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270E Certifications:	02/23/2025 07:13 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/24/2025 19:00	SS
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270E Certifications:	02/23/2025 07:13 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/24/2025 19:00	SS
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270E Certifications:	02/23/2025 07:13 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/24/2025 19:00	SS
218-01-9	Chrysene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270E Certifications:	02/23/2025 07:13 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/24/2025 19:00	SS
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270E Certifications:	02/23/2025 07:13 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/24/2025 19:00	SS
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270E Certifications:	02/23/2025 07:13 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/24/2025 19:00	SS
206-44-0	Fluoranthene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270E Certifications:	02/23/2025 07:13 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/24/2025 19:00	SS
86-73-7	Fluorene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270E Certifications:	02/23/2025 07:13 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	02/24/2025 19:00	SS
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270E Certifications:	02/23/2025 07:13 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/24/2025 19:00	SS
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270E Certifications:	02/23/2025 07:13 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/24/2025 19:00	SS
91-20-3	Naphthalene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270E Certifications:	02/23/2025 07:13 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/24/2025 19:00	SS
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270E Certifications:	02/23/2025 07:13 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/24/2025 19:00	SS



Sample Information

Client Sample ID: S1

York Sample ID: 25B1152-01

York Project (SDG) No.

25B1152

Client Project ID

25-60520 South Grove ES

Matrix

Soil

Collection Date/Time

February 19, 2025 3:00 pm

Date Received

02/20/2025

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:13	02/24/2025 19:00	SS
108-95-2	Phenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:13	02/24/2025 19:00	SS
129-00-0	Pyrene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:13	02/24/2025 19:00	SS
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	73.0 %		20-108							
13127-88-3	Surrogate: SURR: Phenol-d6	64.9 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	58.9 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	85.0 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	94.0 %		19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	86.5 %		24-116							

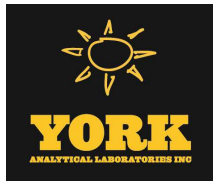
PEST, 8081 MASTER

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: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:25	RJ
72-55-9	4,4'-DDE	0.00223		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:25	RJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:25	RJ
309-00-2	Aldrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:25	RJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:25	RJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP-CT005	02/23/2025 07:00	02/24/2025 15:25	RJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:25	RJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:25	RJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:25	RJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:25	RJ



Sample Information

Client Sample ID: S1

York Sample ID: 25B1152-01

York Project (SDG) No.

25B1152

Client Project ID

25-60520 South Grove ES

Matrix

Soil

Collection Date/Time

February 19, 2025 3:00 pm

Date Received

02/20/2025

PEST, 8081 MASTER

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
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	02/23/2025 07:00	02/24/2025 15:25	RJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:25	RJ
72-20-8	Endrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:25	RJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:25	RJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:25	RJ
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	78.6 %								
877-09-8	Surrogate: Tetrachloro-m-xylene	71.8 %								

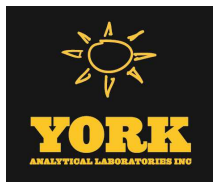
PCB, 8082 MASTER

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	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	02/23/2025 07:03	02/25/2025 03:15	NF
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	02/23/2025 07:03	02/25/2025 03:15	NF
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	02/23/2025 07:03	02/25/2025 03:15	NF
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	02/23/2025 07:03	02/25/2025 03:15	NF
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	02/23/2025 07:03	02/25/2025 03:15	NF
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	02/23/2025 07:03	02/25/2025 03:15	NF
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	02/23/2025 07:03	02/25/2025 03:15	NF
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications:	02/23/2025 07:03	02/25/2025 03:15	NF
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	80.0 %								
2051-24-3	Surrogate: Decachlorobiphenyl	52.5 %								



Sample Information

Client Sample ID: S1

York Sample ID: 25B1152-01

York Project (SDG) No.

25B1152

Client Project ID

25-60520 South Grove ES

Matrix

Soil

Collection Date/Time

February 19, 2025 3:00 pm

Date Received

02/20/2025

HERB, 8151 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0220	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:34	02/24/2025 18:38	GXB
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	105 %		21-150						

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	9.23		mg/kg dry	1.39	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 08:44	02/24/2025 11:36	AGNR
7440-39-3	Barium	31.8		mg/kg dry	2.31	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 08:44	02/24/2025 11:36	AGNR
7440-41-7	Beryllium	0.417		mg/kg dry	0.047	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 08:44	02/24/2025 11:36	AGNR
7440-43-9	Cadmium	ND		mg/kg dry	0.278	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 08:44	02/24/2025 11:36	AGNR
7440-47-3	Chromium	14.8		mg/kg dry	0.464	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 08:44	02/24/2025 11:36	AGNR
7440-50-8	Copper	14.5		mg/kg dry	1.85	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 08:44	02/24/2025 11:36	AGNR
7439-92-1	Lead	22.1		mg/kg dry	0.464	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 08:44	02/24/2025 11:36	AGNR
7439-96-5	Manganese	199		mg/kg dry	0.464	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 08:44	02/24/2025 11:36	AGNR
7440-02-0	Nickel	9.54		mg/kg dry	0.923	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 08:44	02/24/2025 11:36	AGNR
7782-49-2	Selenium	ND		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 08:44	02/24/2025 11:36	AGNR
7440-22-4	Silver	ND		mg/kg dry	0.467	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 08:44	02/24/2025 11:36	AGNR
7440-66-6	Zinc	33.0		mg/kg dry	2.31	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 08:44	02/24/2025 11:36	AGNR

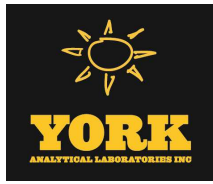
Mercury by 7473

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
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Sample Information

Client Sample ID: S1

York Sample ID: 25B1152-01

York Project (SDG) No.

25B1152

Client Project ID

25-60520 South Grove ES

Matrix

Soil

Collection Date/Time

February 19, 2025 3:00 pm

Date Received

02/20/2025

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	0.202		mg/kg dry	0.0334	1	EPA 7473	02/25/2025 12:29	02/26/2025 12:44	DRS
							Certifications:	CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-04		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.556	1	EPA 7196A	02/24/2025 09:20	02/24/2025 17:10	JMT
							Certifications:	NJDEP-CT005,CTDOH-PH-0723,NELAC-NY10854,PADEP-68-044		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	14.7		mg/kg	0.500	1	Calculation	02/26/2025 14:46	02/26/2025 15:10	SL
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.556	1	EPA 9014/9010C	02/24/2025 14:05	02/24/2025 20:12	CB
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

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	02/21/2025 09:49	02/21/2025 11:10	smm
							Certifications:	CTDOH-PH-0723		

Sample Information

Client Sample ID: S2

York Sample ID: 25B1152-02

York Project (SDG) No.

25B1152

Client Project ID

25-60520 South Grove ES

Matrix

Soil

Collection Date/Time

February 19, 2025 3:00 pm

Date Received

02/20/2025

VOA, 8260 MASTER

Log-in Notes:

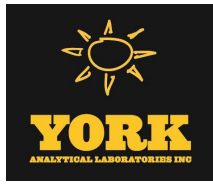
Sample Notes:

120 RESEARCH DRIVE
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STRATFORD, CT 06615
(203) 325-1371

132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@



Sample Information

Client Sample ID: S2

York Sample ID: 25B1152-02

York Project (SDG) No.

25B1152

Client Project ID

25-60520 South Grove ES

Matrix

Soil

Collection Date/Time

February 19, 2025 3:00 pm

Date Received

02/20/2025

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.057	0.11	1	EPA 8260D Certifications:	02/23/2025 16:46 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	02/23/2025 22:44	PRS
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
67-64-1	Acetone	ND		mg/kg dry	0.0057	0.011	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS



York Sample ID: **25B1152-02**

Date Received

02/20/2025

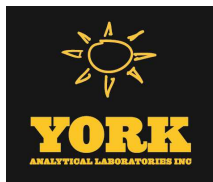
Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		mg/kg dry	0.0057	0.011	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
91-20-3	Naphthalene	ND		mg/kg dry	0.0028	0.011	1	EPA 8260D Certifications:	02/23/2025 16:46 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	02/23/2025 22:44	PRS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	02/23/2025 22:44	PRS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0057	0.011	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	02/23/2025 22:44	PRS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
108-88-3	Toluene	0.0056	J	mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0085	0.017	1	EPA 8260D Certifications:	02/23/2025 16:46 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 22:44	PRS

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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RICHMOND HILL, NY 11418
ClientServices@ Page 1



Sample Information

Client Sample ID: S2

York Sample ID: 25B1152-02

York Project (SDG) No.
25B1152

Client Project ID
25-60520 South Grove ES

Matrix
Soil

Collection Date/Time
February 19, 2025 3:00 pm

Date Received
02/20/2025

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	98.4		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	02/21/2025 09:49	02/21/2025 11:10	smm

Sample Information

Client Sample ID: S3

York Sample ID: 25B1152-03

York Project (SDG) No.
25B1152

Client Project ID
25-60520 South Grove ES

Matrix
Soil

Collection Date/Time
February 19, 2025 3:00 pm

Date Received
02/20/2025

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/22/2025 12:11	02/23/2025 02:55	PRS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/22/2025 12:11	02/23/2025 02:55	PRS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/22/2025 12:11	02/23/2025 02:55	PRS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/22/2025 12:11	02/23/2025 02:55	PRS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/22/2025 12:11	02/23/2025 02:55	PRS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/22/2025 12:11	02/23/2025 02:55	PRS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/22/2025 12:11	02/23/2025 02:55	PRS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/22/2025 12:11	02/23/2025 02:55	PRS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/22/2025 12:11	02/23/2025 02:55	PRS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.067	0.13	1	EPA 8260D Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	02/22/2025 12:11	02/23/2025 02:55	PRS
78-93-3	2-Butanone	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/22/2025 12:11	02/23/2025 02:55	PRS



Sample Information

Client Sample ID: S3

York Sample ID: 25B1152-03

York Project (SDG) No.

25B1152

Client Project ID

25-60520 South Grove ES

Matrix

Soil

Collection Date/Time

February 19, 2025 3:00 pm

Date Received

02/20/2025

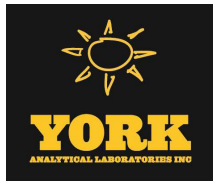
VOA, 8260 MASTER

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
67-64-1	Acetone	ND		mg/kg dry	0.0067	0.013	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:55	PRS
71-43-2	Benzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:55	PRS
56-23-5	Carbon tetrachloride	ND	CCVE	mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:55	PRS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:55	PRS
67-66-3	Chloroform	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:55	PRS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:55	PRS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:55	PRS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:55	PRS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0067	0.013	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:55	PRS
91-20-3	Naphthalene	ND		mg/kg dry	0.0034	0.013	1	EPA 8260D Certifications:	02/22/2025 12:11 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	02/23/2025 02:55	PRS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:55	PRS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:55	PRS
95-47-6	o-Xylene	ND	CCVE, QL-02	mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	02/23/2025 02:55	PRS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0067	0.013	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	02/23/2025 02:55	PRS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:55	PRS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:55	PRS
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:55	PRS
108-88-3	Toluene	0.0074		mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:55	PRS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 02:55	PRS



Sample Information

Client Sample ID: S3

York Sample ID: 25B1152-03

York Project (SDG) No.

25B1152

Client Project ID

25-60520 South Grove ES

Matrix

Soil

Collection Date/Time

February 19, 2025 3:00 pm

Date Received

02/20/2025

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/22/2025 12:11	02/23/2025 02:55	PRS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/22/2025 12:11	02/23/2025 02:55	PRS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.010	0.020	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/22/2025 12:11	02/23/2025 02:55	PRS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	105 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	121 %		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	92.8		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	02/21/2025 09:49	02/21/2025 11:10	smm

Sample Information

Client Sample ID: S4

York Sample ID: 25B1152-04

York Project (SDG) No.

25B1152

Client Project ID

25-60520 South Grove ES

Matrix

Soil

Collection Date/Time

February 19, 2025 3:00 pm

Date Received

02/20/2025

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/22/2025 12:11	02/23/2025 03:22	PRS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/22/2025 12:11	02/23/2025 03:22	PRS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/22/2025 12:11	02/23/2025 03:22	PRS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/22/2025 12:11	02/23/2025 03:22	PRS



Sample Information

Client Sample ID: S4

York Sample ID: 25B1152-04

York Project (SDG) No.

25B1152

Client Project ID

25-60520 South Grove ES

Matrix

Soil

Collection Date/Time

February 19, 2025 3:00 pm

Date Received

02/20/2025

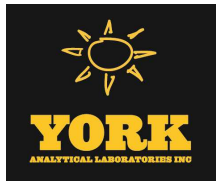
VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 03:22	PRS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 03:22	PRS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 03:22	PRS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 03:22	PRS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 03:22	PRS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.075	0.15	1	EPA 8260D Certifications:	02/22/2025 12:11 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	02/23/2025 03:22	PRS
78-93-3	2-Butanone	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 03:22	PRS
67-64-1	Acetone	ND		mg/kg dry	0.0075	0.015	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 03:22	PRS
71-43-2	Benzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 03:22	PRS
56-23-5	Carbon tetrachloride	ND	CCVE	mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 03:22	PRS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 03:22	PRS
67-66-3	Chloroform	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 03:22	PRS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 03:22	PRS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 03:22	PRS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 03:22	PRS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0075	0.015	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 03:22	PRS
91-20-3	Naphthalene	ND		mg/kg dry	0.0038	0.015	1	EPA 8260D Certifications:	02/22/2025 12:11 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	02/23/2025 03:22	PRS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 03:22	PRS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	02/22/2025 12:11 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/23/2025 03:22	PRS



Sample Information

Client Sample ID: S4

York Sample ID: 25B1152-04

York Project (SDG) No.

25B1152

Client Project ID

25-60520 South Grove ES

Matrix

Soil

Collection Date/Time

February 19, 2025 3:00 pm

Date Received

02/20/2025

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND	CCVE, QL-02	mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	02/22/2025 12:11	02/23/2025 03:22	PRS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0075	0.015	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	02/22/2025 12:11	02/23/2025 03:22	PRS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/22/2025 12:11	02/23/2025 03:22	PRS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/22/2025 12:11	02/23/2025 03:22	PRS
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/22/2025 12:11	02/23/2025 03:22	PRS
108-88-3	Toluene	0.0048	J	mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/22/2025 12:11	02/23/2025 03:22	PRS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/22/2025 12:11	02/23/2025 03:22	PRS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/22/2025 12:11	02/23/2025 03:22	PRS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/22/2025 12:11	02/23/2025 03:22	PRS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.011	0.023	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	02/22/2025 12:11	02/23/2025 03:22	PRS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: <i>SURR:</i> <i>1,2-Dichloroethane-d4</i>	102 %	77-125								
2037-26-5	Surrogate: <i>SURR: Toluene-d8</i>	106 %	85-120								
460-00-4	Surrogate: <i>SURR:</i> <i>p-Bromofluorobenzene</i>	120 %	76-130								

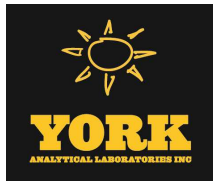
SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0502	0.100	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:13	02/24/2025 19:30	SS
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0502	0.100	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:13	02/24/2025 19:30	SS
83-32-9	Acenaphthene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:13	02/24/2025 19:30	SS
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:13	02/24/2025 19:30	SS



Sample Information

Client Sample ID: S4

York Sample ID: 25B1152-04

York Project (SDG) No.

25B1152

Client Project ID

25-60520 South Grove ES

Matrix

Soil

Collection Date/Time

February 19, 2025 3:00 pm

Date Received

02/20/2025

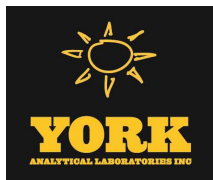
SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:13	02/24/2025 19:30	SS
56-55-3	Benzo(a)anthracene	0.0761	J	mg/kg dry	0.0502	0.100	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:13	02/24/2025 19:30	SS
50-32-8	Benzo(a)pyrene	0.0657	J	mg/kg dry	0.0502	0.100	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:13	02/24/2025 19:30	SS
205-99-2	Benzo(b)fluoranthene	0.0617	J	mg/kg dry	0.0502	0.100	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:13	02/24/2025 19:30	SS
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:13	02/24/2025 19:30	SS
207-08-9	Benzo(k)fluoranthene	0.0649	J	mg/kg dry	0.0502	0.100	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:13	02/24/2025 19:30	SS
218-01-9	Chrysene	0.0793	J	mg/kg dry	0.0502	0.100	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:13	02/24/2025 19:30	SS
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:13	02/24/2025 19:30	SS
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0502	0.100	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:13	02/24/2025 19:30	SS
206-44-0	Fluoranthene	0.163		mg/kg dry	0.0502	0.100	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:13	02/24/2025 19:30	SS
86-73-7	Fluorene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270E Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	02/23/2025 07:13	02/24/2025 19:30	SS
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:13	02/24/2025 19:30	SS
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:13	02/24/2025 19:30	SS
91-20-3	Naphthalene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:13	02/24/2025 19:30	SS
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0502	0.100	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:13	02/24/2025 19:30	SS
85-01-8	Phenanthrene	0.0897	J	mg/kg dry	0.0502	0.100	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:13	02/24/2025 19:30	SS
108-95-2	Phenol	ND		mg/kg dry	0.0502	0.100	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:13	02/24/2025 19:30	SS
129-00-0	Pyrene	0.135		mg/kg dry	0.0502	0.100	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:13	02/24/2025 19:30	SS
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	59.8 %	20-108								
13127-88-3	Surrogate: SURR: Phenol-d6	51.2 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	47.6 %	22-108								



Sample Information

Client Sample ID: S4

York Sample ID: 25B1152-04

York Project (SDG) No.
25B1152

Client Project ID
25-60520 South Grove ES

Matrix
Soil

Collection Date/Time
February 19, 2025 3:00 pm

Date Received
02/20/2025

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	67.1 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	73.1 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	70.6 %			24-116						

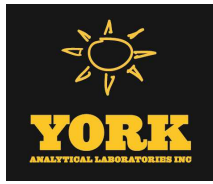
PEST, 8081 MASTER

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	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:40	RJ
72-55-9	4,4'-DDE	0.00318		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:40	RJ
50-29-3	4,4'-DDT	0.00236		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:40	RJ
309-00-2	Aldrin	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:40	RJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:40	RJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP-CT005	02/23/2025 07:00	02/24/2025 15:40	RJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:40	RJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:40	RJ
60-57-1	Dieldrin	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:40	RJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:40	RJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	02/23/2025 07:00	02/24/2025 15:40	RJ
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:40	RJ
72-20-8	Endrin	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:40	RJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:40	RJ
76-44-8	Heptachlor	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:00	02/24/2025 15:40	RJ



Sample Information

Client Sample ID: S4

York Sample ID: 25B1152-04

York Project (SDG) No.

25B1152

Client Project ID

25-60520 South Grove ES

Matrix

Soil

Collection Date/Time

February 19, 2025 3:00 pm

Date Received

02/20/2025

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	81.6 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	73.9 %			30-150					

PCB, 8082 MASTER

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	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	02/23/2025 07:03	02/25/2025 03:29	NF
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	02/23/2025 07:03	02/25/2025 03:29	NF
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	02/23/2025 07:03	02/25/2025 03:29	NF
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	02/23/2025 07:03	02/25/2025 03:29	NF
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	02/23/2025 07:03	02/25/2025 03:29	NF
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	02/23/2025 07:03	02/25/2025 03:29	NF
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	02/23/2025 07:03	02/25/2025 03:29	NF
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications:	02/23/2025 07:03	02/25/2025 03:29	NF
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	80.0 %			30-120					
2051-24-3	Surrogate: Decachlorobiphenyl	54.5 %			30-120					

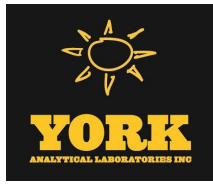
HERB, 8151 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0240	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	02/23/2025 07:34	02/24/2025 18:46	GXB
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	73.6 %			21-150					



Sample Information

Client Sample ID: S4

York Sample ID: 25B1152-04

York Project (SDG) No.

25B1152

Client Project ID

25-60520 South Grove ES

Matrix

Soil

Collection Date/Time

February 19, 2025 3:00 pm

Date Received

02/20/2025

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	25.5		mg/kg dry	1.52	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	02/23/2025 08:44	02/24/2025 11:38	AGNR
7440-39-3	Barium	37.5		mg/kg dry	2.52	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	02/23/2025 08:44	02/24/2025 11:38	AGNR
7440-41-7	Beryllium	0.562		mg/kg dry	0.051	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	02/23/2025 08:44	02/24/2025 11:38	AGNR
7440-43-9	Cadmium	ND		mg/kg dry	0.303	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	02/23/2025 08:44	02/24/2025 11:38	AGNR
7440-47-3	Chromium	24.9		mg/kg dry	0.506	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	02/23/2025 08:44	02/24/2025 11:38	AGNR
7440-50-8	Copper	22.4		mg/kg dry	2.02	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	02/23/2025 08:44	02/24/2025 11:38	AGNR
7439-92-1	Lead	30.0		mg/kg dry	0.506	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	02/23/2025 08:44	02/24/2025 11:38	AGNR
7439-96-5	Manganese	222		mg/kg dry	0.506	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	02/23/2025 08:44	02/24/2025 11:38	AGNR
7440-02-0	Nickel	12.4		mg/kg dry	1.01	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	02/23/2025 08:44	02/24/2025 11:38	AGNR
7782-49-2	Selenium	ND		mg/kg dry	2.53	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	02/23/2025 08:44	02/24/2025 11:38	AGNR
7440-22-4	Silver	ND		mg/kg dry	0.510	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	02/23/2025 08:44	02/24/2025 11:38	AGNR
7440-66-6	Zinc	52.6		mg/kg dry	2.52	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04	02/23/2025 08:44	02/24/2025 11:38	AGNR

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	0.323		mg/kg dry	0.0364	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-04	02/25/2025 12:29	02/26/2025 12:44	DRS

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

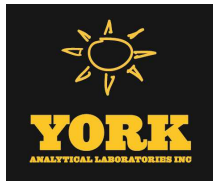
Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.607	1	EPA 7196A Certifications: NJDEP-CT005,CTDOH-PH-0723,NELAC-NY10854,PADEP-68-04	02/24/2025 09:20	02/24/2025 17:10	JMT

Chromium, Trivalent

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: S4

York Sample ID: 25B1152-04

York Project (SDG) No.

25B1152

Client Project ID

25-60520 South Grove ES

Matrix

Soil

Collection Date/Time

February 19, 2025 3:00 pm

Date Received

02/20/2025

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	24.8		mg/kg	0.500	1	Calculation	02/26/2025 14:46	02/26/2025 15:10	SL
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.607	1	EPA 9014/9010C	02/24/2025 14:05	02/24/2025 20:12	CB
Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044										

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	02/21/2025 09:49	02/21/2025 11:10	smm
Certifications: CTDOH-PH-0723										



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
25B1152-01	S1	40mL Vial with Stir Bar-Cool 4° C
25B1152-02	S2	40mL Vial with Stir Bar-Cool 4° C
25B1152-03	S3	40mL Vial with Stir Bar-Cool 4° C
25B1152-04	S4	40mL Vial with Stir Bar-Cool 4° C



Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
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.
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.
ICVE20	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 20% of expected value).
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon current NELAC/TNI 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.

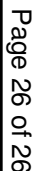
2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

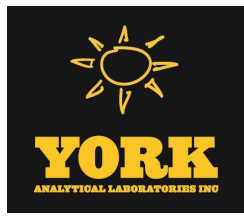
Certification for pH is no longer offered by NYDOH ELAP.



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.





Technical Report

prepared for:

J.C. Broderick
1775 North Express Drive
Hauppauge NY, 11788
Attention: Steven Muller

Report Date: 03/06/2025
Client Project ID: 25-60520 South Grove ES
York Project (SDG) No.: 25B1600

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723



Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 03/06/2025
Client Project ID: 25-60520 South Grove ES
York Project (SDG) No.: 25B1600

J.C. Broderick
1775 North Express Drive
Hauppauge NY, 11788
Attention: Steven Muller

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 February 28, 2025 and listed below. The project was identified as your project: **25-60520 South Grove ES**.

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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
25B1600-01	S-5	Soil	02/27/2025	02/28/2025
25B1600-02	S-6	Soil	02/27/2025	02/28/2025

General Notes for York Project (SDG) No.: 25B1600

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, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

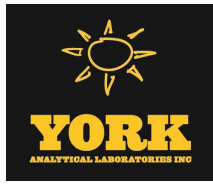
Approved By:



Cassie L. Mosher
Laboratory Manager

Date: 03/06/2025





Sample Information

Client Sample ID: S-5

York Sample ID: 25B1600-01

York Project (SDG) No.

25B1600

Client Project ID

25-60520 South Grove ES

Matrix

Soil

Collection Date/Time

February 27, 2025 3:00 pm

Date Received

02/28/2025

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
123-91-1	1,4-Dioxane	ND	CCVE	mg/kg dry	0.073	0.15	1	EPA 8260D Certifications:	03/04/2025 09:10 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	03/04/2025 15:00	PRS
78-93-3	2-Butanone	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
67-64-1	Acetone	ND		mg/kg dry	0.0073	0.015	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
71-43-2	Benzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
67-66-3	Chloroform	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
100-41-4	Ethyl Benzene	ND	QL-02	mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS



Sample Information

Client Sample ID: S-5

York Sample ID: 25B1600-01

York Project (SDG) No.

25B1600

Client Project ID

25-60520 South Grove ES

Matrix

Soil

Collection Date/Time

February 27, 2025 3:00 pm

Date Received

02/28/2025

VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

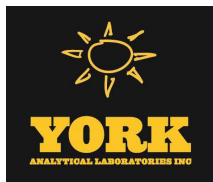
Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0073	0.015	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
91-20-3	Naphthalene	ND		mg/kg dry	0.0037	0.015	1	EPA 8260D Certifications:	03/04/2025 09:10 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	03/04/2025 15:00	PRS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
95-47-6	o-Xylene	ND	QL-02	mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	03/04/2025 15:00	PRS
179601-23-1	p- & m- Xylenes	ND	CCVE, ICVE, QL-02	mg/kg dry	0.0073	0.015	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	03/04/2025 15:00	PRS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
108-88-3	Toluene	0.0067	J	mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.011	0.022	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:00	PRS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	101 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	121 %	76-130								

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: S-5

York Sample ID: 25B1600-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25B1600

25-60520 South Grove ES

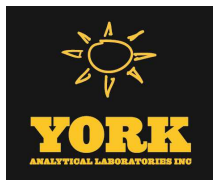
Soil

February 27, 2025 3:00 pm

02/28/2025

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270E Certifications:	03/05/2025 09:47 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/06/2025 09:23	AK
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0526	0.105	2	EPA 8270E Certifications:	03/05/2025 09:47 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/06/2025 09:23	AK
83-32-9	Acenaphthene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270E Certifications:	03/05/2025 09:47 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/06/2025 09:23	AK
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270E Certifications:	03/05/2025 09:47 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/06/2025 09:23	AK
120-12-7	Anthracene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270E Certifications:	03/05/2025 09:47 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/06/2025 09:23	AK
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270E Certifications:	03/05/2025 09:47 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/06/2025 09:23	AK
50-32-8	Benzo(a)pyrene	0.0697	J	mg/kg dry	0.0526	0.105	2	EPA 8270E Certifications:	03/05/2025 09:47 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/06/2025 09:23	AK
205-99-2	Benzo(b)fluoranthene	0.0722	J	mg/kg dry	0.0526	0.105	2	EPA 8270E Certifications:	03/05/2025 09:47 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/06/2025 09:23	AK
191-24-2	Benzo(g,h,i)perylene	0.0596	J	mg/kg dry	0.0526	0.105	2	EPA 8270E Certifications:	03/05/2025 09:47 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/06/2025 09:23	AK
207-08-9	Benzo(k)fluoranthene	0.0596	J	mg/kg dry	0.0526	0.105	2	EPA 8270E Certifications:	03/05/2025 09:47 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/06/2025 09:23	AK
218-01-9	Chrysene	0.0554	J	mg/kg dry	0.0526	0.105	2	EPA 8270E Certifications:	03/05/2025 09:47 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/06/2025 09:23	AK
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270E Certifications:	03/05/2025 09:47 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/06/2025 09:23	AK
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0526	0.105	2	EPA 8270E Certifications:	03/05/2025 09:47 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/06/2025 09:23	AK
206-44-0	Fluoranthene	0.0898	J	mg/kg dry	0.0526	0.105	2	EPA 8270E Certifications:	03/05/2025 09:47 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/06/2025 09:23	AK
86-73-7	Fluorene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270E Certifications:	03/05/2025 09:47 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	03/06/2025 09:23	AK
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270E Certifications:	03/05/2025 09:47 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/06/2025 09:23	AK
193-39-5	Indeno(1,2,3-cd)pyrene	0.0604	J	mg/kg dry	0.0526	0.105	2	EPA 8270E Certifications:	03/05/2025 09:47 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/06/2025 09:23	AK
91-20-3	Naphthalene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270E Certifications:	03/05/2025 09:47 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/06/2025 09:23	AK
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270E Certifications:	03/05/2025 09:47 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/06/2025 09:23	AK
85-01-8	Phenanthrene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270E Certifications:	03/05/2025 09:47 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/06/2025 09:23	AK



Sample Information

Client Sample ID: S-5

York Sample ID: 25B1600-01

York Project (SDG) No.
25B1600

Client Project ID
25-60520 South Grove ES

Matrix
Soil

Collection Date/Time
February 27, 2025 3:00 pm

Date Received
02/28/2025

SVOA, 8270 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/05/2025 09:47	03/06/2025 09:23	AK
129-00-0	Pyrene	0.0764	J	mg/kg dry	0.0526	0.105	2	EPA 8270E Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/05/2025 09:47	03/06/2025 09:23	AK
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	84.9 %	20-108								
13127-88-3	Surrogate: SURR: Phenol-d6	73.1 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	76.9 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	73.2 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	72.1 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	71.0 %	24-116								

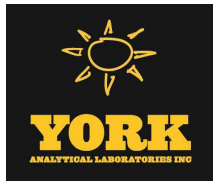
PEST, 8081 MASTER

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	0.00208	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/05/2025 08:00	03/06/2025 00:27	RJ
72-55-9	4,4'-DDE	0.00279		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/05/2025 08:00	03/06/2025 00:27	RJ
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/05/2025 08:00	03/06/2025 00:27	RJ
309-00-2	Aldrin	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/05/2025 08:00	03/06/2025 00:27	RJ
319-84-6	alpha-BHC	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/05/2025 08:00	03/06/2025 00:27	RJ
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP-CT005	03/05/2025 08:00	03/06/2025 00:27	RJ
319-85-7	beta-BHC	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/05/2025 08:00	03/06/2025 00:27	RJ
319-86-8	delta-BHC	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/05/2025 08:00	03/06/2025 00:27	RJ
60-57-1	Dieldrin	0.00474		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/05/2025 08:00	03/06/2025 00:27	RJ
959-98-8	Endosulfan I	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/05/2025 08:00	03/06/2025 00:27	RJ
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854	03/05/2025 08:00	03/06/2025 00:27	RJ



Sample Information

Client Sample ID: S-5

York Sample ID: 25B1600-01

York Project (SDG) No.

25B1600

Client Project ID

25-60520 South Grove ES

Matrix

Soil

Collection Date/Time

February 27, 2025 3:00 pm

Date Received

02/28/2025

PEST, 8081 MASTER

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
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/05/2025 08:00	03/06/2025 00:27	RJ
72-20-8	Endrin	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/05/2025 08:00	03/06/2025 00:27	RJ
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/05/2025 08:00	03/06/2025 00:27	RJ
76-44-8	Heptachlor	0.00761		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/05/2025 08:00	03/06/2025 00:27	RJ
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	58.6 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	54.6 %		30-150						

PCB, 8082 MASTER

Log-in Notes:

Sample Notes:

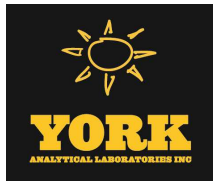
Sample Prepared by Method: EPA 3550C

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	0.0210	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	03/05/2025 08:00	03/06/2025 02:16	NF
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0210	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	03/05/2025 08:00	03/06/2025 02:16	NF
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0210	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	03/05/2025 08:00	03/06/2025 02:16	NF
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0210	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	03/05/2025 08:00	03/06/2025 02:16	NF
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0210	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	03/05/2025 08:00	03/06/2025 02:16	NF
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0210	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	03/05/2025 08:00	03/06/2025 02:16	NF
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0210	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	03/05/2025 08:00	03/06/2025 02:16	NF
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0210	1	EPA 8082A Certifications:	03/05/2025 08:00	03/06/2025 02:16	NF
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	69.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	46.5 %		30-120						

HERB, 8151 MASTER

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: S-5

York Sample ID: 25B1600-01

York Project (SDG) No.

25B1600

Client Project ID

25-60520 South Grove ES

Matrix

Soil

Collection Date/Time

February 27, 2025 3:00 pm

Date Received

02/28/2025

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0253	1	EPA 8151A Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/04/2025 09:10	03/05/2025 14:48	GXB
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	86.8 %		21-150						

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	39.2		mg/kg dry	1.58	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/04/2025 08:04	03/04/2025 14:16	AGNR
7440-39-3	Barium	56.9		mg/kg dry	2.64	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/04/2025 08:04	03/04/2025 14:16	AGNR
7440-41-7	Beryllium	0.585		mg/kg dry	0.053	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/04/2025 08:04	03/04/2025 14:16	AGNR
7440-43-9	Cadmium	ND		mg/kg dry	0.317	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/04/2025 08:04	03/04/2025 14:16	AGNR
7440-47-3	Chromium	34.0		mg/kg dry	0.528	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/04/2025 08:04	03/04/2025 14:16	AGNR
7440-50-8	Copper	40.7		mg/kg dry	2.11	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/04/2025 08:04	03/04/2025 14:16	AGNR
7439-92-1	Lead	70.0		mg/kg dry	0.528	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/04/2025 08:04	03/04/2025 14:16	AGNR
7439-96-5	Manganese	250		mg/kg dry	0.528	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/04/2025 08:04	03/04/2025 14:16	AGNR
7440-02-0	Nickel	12.8		mg/kg dry	1.05	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/04/2025 08:04	03/04/2025 14:16	AGNR
7782-49-2	Selenium	ND		mg/kg dry	2.64	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/04/2025 08:04	03/04/2025 14:16	AGNR
7440-22-4	Silver	ND		mg/kg dry	0.532	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/04/2025 08:04	03/04/2025 14:16	AGNR
7440-66-6	Zinc	53.9		mg/kg dry	2.63	1	EPA 6010D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	03/04/2025 08:04	03/04/2025 14:16	AGNR

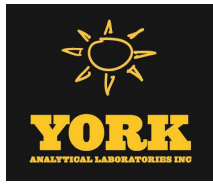
Mercury by 7473

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	1.60		mg/kg dry	0.0380	1	EPA 7473 Certifications: CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-044	03/04/2025 17:13	03/05/2025 11:01	DBT



Sample Information

Client Sample ID: S-5

York Sample ID: 25B1600-01

York Project (SDG) No.

25B1600

Client Project ID

25-60520 South Grove ES

Matrix

Soil

Collection Date/Time

February 27, 2025 3:00 pm

Date Received

02/28/2025

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.634	1	EPA 7196A Certifications: NJDEP-CT005,CTDOH-PH-0723,NELAC-NY10854,PADEP-68-044	03/04/2025 09:34	03/04/2025 16:45	JMT

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	34.0		mg/kg	0.500	1	Calculation Certifications:	03/05/2025 17:33	03/05/2025 17:34	AA

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.634	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	03/05/2025 09:44	03/05/2025 16:11	LJM

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	78.9		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	03/03/2025 08:31	03/03/2025 10:00	SMM

Sample Information

Client Sample ID: S-6

York Sample ID: 25B1600-02

York Project (SDG) No.

25B1600

Client Project ID

25-60520 South Grove ES

Matrix

Soil

Collection Date/Time

February 27, 2025 3:00 pm

Date Received

02/28/2025

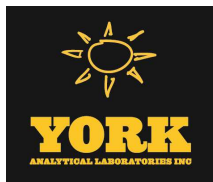
VOA, 8260 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 09:10	03/04/2025 15:27	PRS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 09:10	03/04/2025 15:27	PRS



Sample Information

Client Sample ID: S-6

York Sample ID: 25B1600-02

York Project (SDG) No.

25B1600

Client Project ID

25-60520 South Grove ES

Matrix

Soil

Collection Date/Time

February 27, 2025 3:00 pm

Date Received

02/28/2025

VOA, 8260 MASTER

Sample Prepared by Method: EPA 5035A

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:27	PRS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:27	PRS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:27	PRS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:27	PRS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:27	PRS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:27	PRS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:27	PRS
123-91-1	1,4-Dioxane	ND	CCVE	mg/kg dry	0.075	0.15	1	EPA 8260D Certifications:	03/04/2025 09:10 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	03/04/2025 15:27	PRS
78-93-3	2-Butanone	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:27	PRS
67-64-1	Acetone	ND		mg/kg dry	0.0075	0.015	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:27	PRS
71-43-2	Benzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:27	PRS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:27	PRS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:27	PRS
67-66-3	Chloroform	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:27	PRS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:27	PRS
100-41-4	Ethyl Benzene	ND	QL-02	mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:27	PRS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:27	PRS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0075	0.015	1	EPA 8260D Certifications:	03/04/2025 09:10 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 15:27	PRS
91-20-3	Naphthalene	ND		mg/kg dry	0.0038	0.015	1	EPA 8260D Certifications:	03/04/2025 09:10 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	03/04/2025 15:27	PRS



Sample Information

Client Sample ID: S-6

York Sample ID: 25B1600-02

York Project (SDG) No.

25B1600

Client Project ID

25-60520 South Grove ES

Matrix

Soil

Collection Date/Time

February 27, 2025 3:00 pm

Date Received

02/28/2025

VOA, 8260 MASTER

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
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 09:10	03/04/2025 15:27	PRS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 09:10	03/04/2025 15:27	PRS
95-47-6	o-Xylene	ND	QL-02	mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	03/04/2025 09:10	03/04/2025 15:27	PRS
179601-23-1	p- & m- Xylenes	ND	CCVE, ICVE, QL-02	mg/kg dry	0.0075	0.015	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	03/04/2025 09:10	03/04/2025 15:27	PRS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 09:10	03/04/2025 15:27	PRS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 09:10	03/04/2025 15:27	PRS
127-18-4	Tetrachloroethylene	ND	QL-02	mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 09:10	03/04/2025 15:27	PRS
108-88-3	Toluene	0.0041	J	mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 09:10	03/04/2025 15:27	PRS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 09:10	03/04/2025 15:27	PRS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 09:10	03/04/2025 15:27	PRS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0038	0.0075	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 09:10	03/04/2025 15:27	PRS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.011	0.023	1	EPA 8260D Certifications: CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	03/04/2025 09:10	03/04/2025 15:27	PRS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	102 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	121 %	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	80.0		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	03/03/2025 08:31	03/03/2025 10:00	SMM



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
25B1600-01	S-5	40mL Vial with Stir Bar-Cool 4° C
25B1600-02	S-6	40mL Vial with Stir Bar-Cool 4° C



Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
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.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
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 current NELAC/TNI 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.



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.

25B1600

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Page 1 of 1

YOUR Information		Report To:	Invoice To:	YOUR Project Number 25-60520	Turn-Around Time
Company: JCBRODERICK & ASSOC.	Company: JCB	Company: JCB			
Address: 1775 EXPRESSWAY DR. N HUNTSVILLE, NY 17888	Address:	Address:		RUSH - Two Day	
Phone: 631-584-5492	Phone.:	Phone.:		YOUR Project Name SOUTH GROVE ES	RUSH - Three Day
Contact: STEVEN MULLER	Contact:	Contact:			RUSH - Four Day
E-mail:	E-mail:	E-mail:		YOUR PO#:	RUSH - Five Day
					Standard (6-9 Day)
					PFAS Standard is 7-10 Days

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.

Stevens Mullen

Samples Collected by: (print AND sign your name)

Matrix Codes		Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
S - soil / solid	New York	☒	Summary Report	CT RCP	EquIS (Standard)	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	☐	QA Report	CT RCP DQA/DUE	NYSDEC EquIS	
DW - drinking water	Connecticut	☐	CMDP	NJDEP Reduced	NJDKQP	
WW - wastewater	Pennsylvania	☐	Standard Excel EDD	Deliverables	NJDEP SRP HazSite	
Q - Oil Other	Other:		NY ASP B Package	Other:		

[illegible]

Preservation: (check all that apply)

HCl _____ MeOH _____ HNO3 _____ H2SO4 _____ NaOH _____
ZnAc _____ Ascorbic Acid _____ Other: 105

Special Instruction

Field Filtered
Lab to Filter

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

1. Samples Relinquished by / Company <i>[Signature]</i> Date/Time <i>12:40 PM 2/28/25</i>	1. Samples Received by / Company <i>[Signature]</i> Date/Time <i>12:40 PM 2/28/25</i>	2. Samples Relinquished by / Company <i>[Signature]</i> Date/Time <i>17:00 2/28/25</i>
2. Samples Received 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 <i>[Signature]</i> Date/Time <i>2/28/25 17:00</i> Temperature <i>2.3</i> Degrees C