

Memorandum

To: Adam R. Kaufman, AICP
Director of Planning
Town of North Castle
17 Bedford Road
Armonk, New York 10504

From: William A. Canavan, PG, LSRP
HydroEnvironmental Solutions, Inc.
One Deans Bridge Road
Somers, New York 10589

Date: September 15, 2022

Re: 26 Chestnut Ridge Road
Armonk, New York

HydroEnvironmental Solutions, Inc. (HES) was retained by the Town of North Castle, Westchester County, New York to review a recent Application at 26 Chestnut Ridge Road in Armonk, New York. It is our understanding that fill material was imported to the subject site and that the Applicant was required to confirm, in accordance with New York State Department of Environmental Conservation (NYSDEC) Regulations, the imported fill was compliant for use in a residential setting. As part of our review process, HES reviewed the following documents provided by the Town and the Applicant:

A July 21, 2022, Response to Comment #1: Letter related to recent soil sampling at the subject site and attached site plan and a soil sampling results summary table.

Based on our review of the materials provided we offer the following:

Project Background

The Applicant has proposed renovations to the subject property and, as part of the renovation process, fill material was imported for regrading and backfill purposes. The imported fill material was not approved nor properly documented prior to importation. Consequently, the Town requested that the Applicant and their consultant characterize the imported material in accordance with NYSDEC Regulations and Standards.

Since the initial review of the project and the issuance of our June 13, 2022 Technical Memorandum, the Applicant has completed the following environmental work related to the imported fill material:

- The Applicant's consultant, JMC Planning Engineering Architecture and Land Surveying, PLLC (JMC), submitted a Soil Sampling Work Plan to the Town of North Castle on July 21, 2022. The Work Plan was approved in August 2022 by HES and the Town shortly after submission.
- JMC, on behalf of the Applicant, implemented the approved Soil Sampling Work Plan on August 8, 2022, and provided a site plan of soil sampling locations, a soil laboratory analytical results summary table, the raw laboratory analytical results, and resubmitted the original approved July 21, 2022 Scope of Work (see attached).v
- The summary tables provided, and the raw laboratory analytical results indicate that with the exception of lead at soil sampling locations Comp-1, C-1, Comp-2, C-2 and Comp-3, C-3 all other parameters analyzed for are in accordance with NYSDEC DER-10 met Unrestricted Use Soil Cleanup Objectives (UUSCOs).
- All the collected soil samples were compliant with Restricted Residential Use Soil Cleanup Objectives (RRUSCOs) as noted on the attached Soil Laboratory analytical results summary tables.
- It should be noted that Task 2 of the approved July 21, 2022 Work Plan, Fill Delineation and Analysis Report was not provided by the Applicant with the latest submission.

Discussion of Results

HES has reviewed the provided soil sampling results summary table and site plan showing soil sampling locations and offers the following:

- The soil sampling was conducted in accordance with NYSDEC Requirements and the approved Soil Sampling Work Plan.
- The results indicate that the fill material is not impacted by any of the parameters analyzed for including volatile organic compounds (VOCs), semi-VOCs, Metals

(except lead), Pesticides and Poly Chlorinated Biphenyls (PCBs). Only lead exceeded UUSCOs at three of the composite soil sampling locations, all other sampling locations were compliant with UUSCOs. The concentrations of lead detected in the three composite samples ranged from 36 to 68 parts per million (ppm {mg/Kg}). These results slightly exceed the UUSCO of 63 ppm for lead, the strictest soil cleanup objective. Thus, in our opinion, these results represent slightly above background levels for lead concentrations in soil in a suburban area which typically range from 4 to 61 ppm in New York State (Larson, 2016).

Recommendations:

Based on our review of the soil sampling results, HES recommends that the imported fill material can remain in place. Since lead slightly exceeded UUSCOs, HES recommends the placement of a demarcation layer such as orange polyethylene construction fencing or a comparable geotextile membrane over the top of the entire fill area. Following the placement of the demarcation layer, a 6-inch topsoil layer should be placed atop the demarcation layer across the entire fill area. HES does not recommend removal of the fill given the results of the soil sampling, as the concentrations of lead do not pose a threat to groundwater or the surrounding environment.

HES would be pleased to answer any questions related to this matter, or attend any future meetings as required.

References

Larson, Steven L., Flexible Reactive Berm (FRBerm) for Removal of Heavy Metals from Runoff Water, June 2016, Report Number: EL TR-165-7, US Army Engineer Research and Development Center



Site Planning	Environmental Studies
Civil Engineering	Entitlements
Landscape Architecture	Construction Services
Land Surveying	3D Visualization
Transportation Engineering	Laser Scanning

July 21, 2022

Mr. Adam Kaufman, Director of Planning
Town of North Castle
Planning Department
17 Bedford Road
Armonk, New York 10504

RE: JMC Project 22021
26 Chestnut Ridge Road Improvements
26 Chestnut Ridge Road
Town of North Castle, New York

Response to Comment #1 included in a Kellard Sessions Memorandum to the Town of North Castle Planning Department, dated April 22, 2022:

Dear Mr. Kaufman:

JMC is pleased to submit the following Scope of Work to perform imported fill sampling at 26 Chestnut Ridge Road. JMC understands that the fill was illegally imported to the site by unknown parties from unknown origins and because of this, The Town has requested soils testing to ensure the quality and safety of the soil on site:

Task I – Compile NYSDEC Work Plan/Test Pit Installation and Soil Sampling Fill Characterization Soil Sampling

NYSDEC Regulation, 6 CRR-NY 360.13 states that characterization sampling is required for fill material originating from a location outside the City of New York, if

- (i) there is historical evidence of impacts such as reported spill events, or visual or other indication (odors, etc.) of chemical or physical contamination;
- (ii) the fill material originates from a site with industrial land use as defined in section 375-1.8(g)(2)(iv) of this Title; or

(iii) if, during excavation, visual indication of chemical or physical contamination is discovered.

Because the origin of the fill is unknown, JMC believes that it would be in the best interest of the Town that a formal Work Plan be submitted to the Town to sample the imported fill according to the NYSDEC Part 360.13 regulations as stated in Part 360.13 (e) and summarized below:

- Six (6) discrete grab soil samples are to be collected for the first 10,000 yds³ and then two (2) additional grab samples for every additional 10,000 yds³. Therefore, if 1,550 yds³ of material were imported, a total of six (6) discrete volatile organic compound (VOC) grab samples will be required. Discrete grab samples are to be collected and analyzed for VOCs via EPA Method 8260.
- Sampling requirements include collection of three (3) composite soil samples for the first 10,000 yds³ and then two (2) additional grab samples for every additional 10,000 yds³. Therefore, given the estimated imported fill volume of 1,550 yds³, a total of three (3) composite soil samples will be required to properly characterize the imported fill. Composite samples are to be composed of three to five (3-5) discrete samples. Composite samples are to be analyzed for the following parameters: semi-VOCs using EPA Method 8270, Target Analyte List (TAL) Metals, Pesticides, and PCBs via EPA Method 8080. The material must also be characterized for physical analysis including corrosivity, ignitability and asbestos, if required by the NYSDEC.
- As per Part 360.13, the samples must be representative of the fill material, and the sampling program must be designed and implemented by or under the direction of a qualified environmental professional (QEP). Written documentation of the sampling program with certification from the QEP demonstrating that the proposed sampling will be representative of the fill material must be provided.
- The test boring locations and depths will be at the discretion of the on-site JMC representative.

The summary table below outlines the sampling frequency and associated laboratory analyses that are required to properly characterize the imported fill material at the site:

Fill Volume (cu yds)	VOC Analysis (Discrete Samples)	All Other Parameters (composite samples)
1,001-10,000	6	3
10,001+	Two for every additional 10,000 cubic yards	One per every additional 10,000 cubic yards
Total Number of Samples for 1,550 cu yds	6	3

Task 2 – Fill Delineation and Analysis Report

Following completion of the sampling, JMC will compile a technical report detailing the soil sampling results. This will include the surveyed site plan which will be used to estimate the total volume of fill and determine if additional sampling is required. JMC will interpret the laboratory analytical results of the samples collected and compare them to NYSDEC DER-10 Appendix 5 – Allowable Constituent Levels for Imported Fill or Soil to determine if soil can stay in place. The report will include a summary of laboratory results.

We look forward to your continued review throughout the Building Permit process and discussing this matter with you further. Should you have any questions or require additional information regarding the information provided above, please do not hesitate to contact our office at 914-273-5225.

Sincerely,

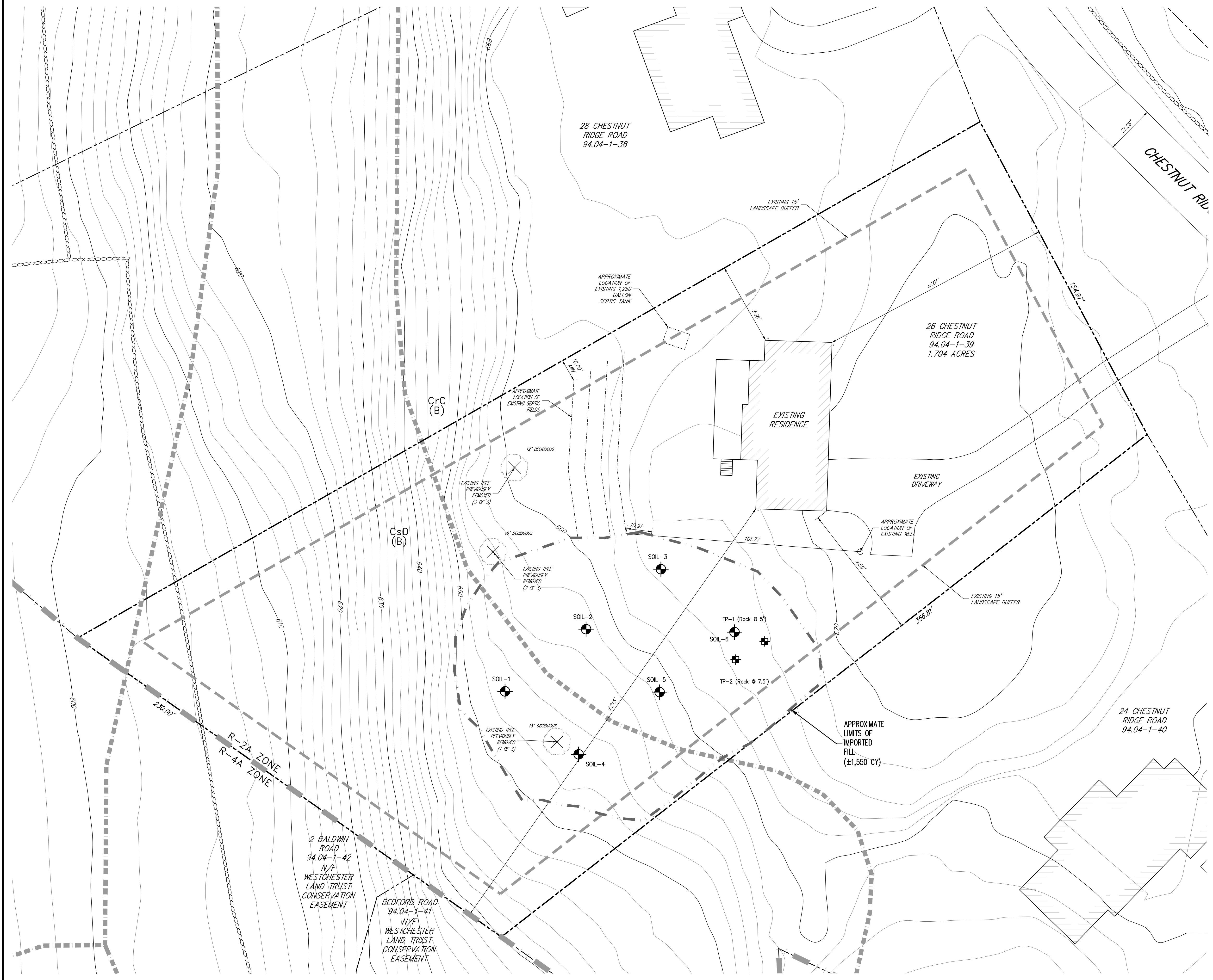
JMC Planning Engineering Landscape Architecture & Land Surveying, PLLC



Rick Bohlander, PE
Project Manager

NOT FOR CONSTRUCTION

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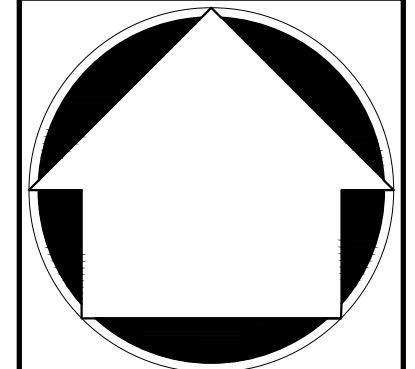


ANY ALTERATION OF PLANS, SPECIFICATIONS, PLATS AND REPORTS BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER OR LICENSED LAND SURVEYOR IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW, EXCEPT AS PROVIDED FOR BY SECTION 7209, SUBSECTION 2.

No.	Revision	Date	By

Drawn: RB	Approved: AN
Scale: 1" = 20'	
Date: 07/19/2022	
Project No: 22021	
Existing SITE	SOILs
Drawing No:	S-1

Previous Editions Obsolete

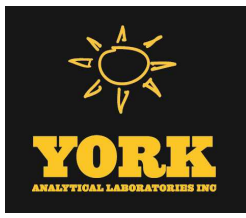


JMC

JMC Planning, Engineering, Landscape Architecture & Land Surveying, PLLC
 JMC Site Development Consultants, LLC
 John Meyer Consulting, Inc.
 120 BEDFORD ROAD - ARMONK, NY 10504
 voice 914.273.5225 • fax 914.273.2102
 www.jmcpllc.com

APPLICANT/OWNER:
ANTHONY MARINO
 26 CHESTNUT RIDGE ROAD
 ARMONK, NEW YORK 10504

SOIL SAMPLING PLAN
 PROPOSED SITE IMPROVEMENTS
 26 CHESTNUT RIDGE ROAD
 ARMONK, NEW YORK



Technical Report

prepared for:

Hydro Environmental Solutions

One Deans Bridge Road

Somers NY, 10589

Attention: Bill Canavan

Report Date: 08/25/2022

Client Project ID: 26 Chestnut Ridge Rd., Armonk, NY 10504

York Project (SDG) No.: 22H0960

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 08/25/2022
Client Project ID: 26 Chestnut Ridge Rd., Armonk, NY 10504
York Project (SDG) No.: 22H0960

Hydro Environmental Solutions
One Deans Bridge Road
Somers NY, 10589
Attention: Bill Canavan

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 August 16, 2022 and listed below. The project was identified as your project: **26 Chestnut Ridge Rd., Armonk, NY 10504.**

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>
22H0960-01	S-1	Soil	08/08/2022	08/16/2022
22H0960-02	S-2	Soil	08/08/2022	08/16/2022
22H0960-03	S-3	Soil	08/08/2022	08/16/2022
22H0960-04	S-4	Soil	08/08/2022	08/16/2022
22H0960-05	S-5	Soil	08/08/2022	08/16/2022
22H0960-06	S-6	Soil	08/08/2022	08/16/2022
22H0960-07	Comp-1, C-1	Soil	08/08/2022	08/16/2022
22H0960-08	Comp-2, C-2	Soil	08/08/2022	08/16/2022
22H0960-09	Comp-3, C-3	Soil	08/08/2022	08/16/2022

General Notes for York Project (SDG) No.: 22H0960

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

Approved By: 

Date: 08/25/2022

Cassie L. Mosher
Laboratory Manager





Sample Information

Client Sample ID: S-1

York Sample ID: 22H0960-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22H0960	26 Chestnut Ridge Rd., Armonk, NY 10504	Soil	August 8, 2022 9:00 am	08/16/2022

Volatile Organics, 8260 Comprehensive

Log-in Notes: VOA-CONT **Sample Notes:** VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/18/2022 06:36	08/18/2022 13:30	BMC
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/18/2022 06:36	08/18/2022 13:30	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
123-91-1	1,4-Dioxane	ND		ug/kg dry	51	100	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
78-93-3	2-Butanone	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
591-78-6	2-Hexanone	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC



Sample Information

Client Sample ID: S-1

York Sample ID: 22H0960-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Volatile Organics, 8260 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
67-64-1	Acetone	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
107-02-8	Acrolein	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
107-13-1	Acrylonitrile	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
71-43-2	Benzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
75-15-0	Carbon disulfide	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
110-82-7	Cyclohexane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC



Sample Information

Client Sample ID: S-1

York Sample ID: 22H0960-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Volatile Organics, 8260 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes: VOA-CONT

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
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
79-20-9	Methyl acetate	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
75-09-2	Methylene chloride	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
100-42-5	Styrene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
108-88-3	Toluene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:30	BMC
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.7	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/18/2022 06:36	08/18/2022 13:30	BMC

Surrogate Recoveries

Result

Acceptance Range

17060-07-0 Surrogate: SURR:
1,2-Dichloroethane-d4

122 %

77-125



Sample Information

Client Sample ID: S-1

York Sample ID: 22H0960-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Volatile Organics, 8260 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes: VOA-CONT

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
2037-26-5	Surrogate: SURR: Toluene-d8	96.2 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	94.1 %			76-130						

Total Solids

Log-in Notes: VOA-CONT

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	97.9		%	0.100	1	SM 2540G	08/22/2022 11:00	08/22/2022 14:38	YR	
Certifications: CTDOH											

Sample Information

Client Sample ID: S-2

York Sample ID: 22H0960-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Volatile Organics, 8260 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/18/2022 06:36	08/18/2022 13:58	BMC
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/18/2022 06:36	08/18/2022 13:58	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC



Sample Information

Client Sample ID: S-2

York Sample ID: 22H0960-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Volatile Organics, 8260 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Contains 30 rows of data for various chemical compounds.



Sample Information

Client Sample ID: S-2

York Sample ID: 22H0960-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Volatile Organics, 8260 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
110-82-7	Cyclohexane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
79-20-9	Methyl acetate	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
75-09-2	Methylene chloride	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC



Sample Information

Client Sample ID: S-2

York Sample ID: 22H0960-02

<u>York Project (SDG) No.</u> 22H0960	<u>Client Project ID</u> 26 Chestnut Ridge Rd., Armonk, NY 10504	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 8, 2022 9:00 am	<u>Date Received</u> 08/16/2022
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Volatile Organics, 8260 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes: VOA-CONT

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
100-42-5	Styrene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
108-88-3	Toluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 13:58	BMC
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.8	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/18/2022 06:36	08/18/2022 13:58	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	116 %	77-125								
2037-26-5	Surrogate: SURRE: Toluene-d8	96.8 %	85-120								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	95.9 %	76-130								

Total Solids

Log-in Notes: VOA-CONT

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	96.2		%	0.100	1	SM 2540G Certifications: CTDOH	08/22/2022 11:00	08/22/2022 14:38	YR

Sample Information

Client Sample ID: S-3

York Sample ID: 22H0960-03

<u>York Project (SDG) No.</u> 22H0960	<u>Client Project ID</u> 26 Chestnut Ridge Rd., Armonk, NY 10504	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 8, 2022 9:00 am	<u>Date Received</u> 08/16/2022
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Sample Information

Client Sample ID: S-3

York Sample ID: 22H0960-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Volatile Organics, 8260 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/18/2022 06:36	08/18/2022 14:27	BMC
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/18/2022 06:36	08/18/2022 14:27	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
123-91-1	1,4-Dioxane	ND		ug/kg dry	51	100	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
78-93-3	2-Butanone	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
591-78-6	2-Hexanone	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC



Sample Information

Client Sample ID: S-3

York Sample ID: 22H0960-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Volatile Organics, 8260 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes: VOA-CONT

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		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
107-02-8	Acrolein	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
107-13-1	Acrylonitrile	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
71-43-2	Benzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
75-15-0	Carbon disulfide	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
110-82-7	Cyclohexane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC



Sample Information

Client Sample ID: S-3

York Sample ID: 22H0960-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Volatile Organics, 8260 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes: VOA-CONT

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
79-20-9	Methyl acetate	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
75-09-2	Methylene chloride	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
100-42-5	Styrene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
108-88-3	Toluene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:27	BMC
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.7	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/18/2022 06:36	08/18/2022 14:27	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	117 %	77-125								
2037-26-5	Surrogate: SURRE: Toluene-d8	97.1 %	85-120								



Sample Information

Client Sample ID: S-3

York Sample ID: 22H0960-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Volatile Organics, 8260 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 460-00-4, Surrogate: SURRE: p-Bromofluorobenzene, 96.2 %, 76-130

Total Solids

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: % Solids Prep

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: solids, % Solids, 97.7, %, 0.100, 1, SM 2540G, 08/22/2022 11:00, 08/22/2022 14:38, YR

Sample Information

Client Sample ID: S-4

York Sample ID: 22H0960-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Volatile Organics, 8260 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Multiple rows for various compounds like 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, etc.



Sample Information

Client Sample ID: S-4

York Sample ID: 22H0960-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Volatile Organics, 8260 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
123-91-1	1,4-Dioxane	ND		ug/kg dry	53	110	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
78-93-3	2-Butanone	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
591-78-6	2-Hexanone	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
67-64-1	Acetone	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
107-02-8	Acrolein	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
107-13-1	Acrylonitrile	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
71-43-2	Benzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
75-15-0	Carbon disulfide	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC



Sample Information

Client Sample ID: S-4

York Sample ID: 22H0960-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Volatile Organics, 8260 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
110-82-7	Cyclohexane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
79-20-9	Methyl acetate	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
75-09-2	Methylene chloride	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
100-42-5	Styrene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC



Sample Information

Client Sample ID: S-4

York Sample ID: 22H0960-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Volatile Organics, 8260 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
108-88-3	Toluene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 14:56	BMC
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.9	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/18/2022 06:36	08/18/2022 14:56	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	116 %	77-125								
2037-26-5	Surrogate: SURRE: Toluene-d8	96.5 %	85-120								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	96.8 %	76-130								

Total Solids

Log-in Notes: VOA-CONT

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	94.8		%	0.100	1	SM 2540G Certifications: CTDOH	08/22/2022 11:00	08/22/2022 14:38	YR

Sample Information

Client Sample ID: S-5

York Sample ID: 22H0960-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Volatile Organics, 8260 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes: VOA-CONT



Sample Information

Client Sample ID: S-5

York Sample ID: 22H0960-05

<u>York Project (SDG) No.</u> 22H0960	<u>Client Project ID</u> 26 Chestnut Ridge Rd., Armonk, NY 10504	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 8, 2022 9:00 am	<u>Date Received</u> 08/16/2022
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Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/18/2022 06:36	08/18/2022 15:24	BMC
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/18/2022 06:36	08/18/2022 15:24	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
123-91-1	1,4-Dioxane	ND		ug/kg dry	54	110	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
78-93-3	2-Butanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
591-78-6	2-Hexanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
67-64-1	Acetone	ND		ug/kg dry	5.4	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC



Sample Information

Client Sample ID: S-5

York Sample ID: 22H0960-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Volatile Organics, 8260 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes: VOA-CONT

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
107-02-8	Acrolein	ND		ug/kg dry	5.4	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
107-13-1	Acrylonitrile	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
71-43-2	Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
74-97-5	Bromochloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
75-15-0	Carbon disulfide	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
110-82-7	Cyclohexane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
74-95-3	Dibromomethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
79-20-9	Methyl acetate	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC



Sample Information

Client Sample ID: S-5

York Sample ID: 22H0960-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Volatile Organics, 8260 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes: VOA-CONT

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		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
75-09-2	Methylene chloride	ND		ug/kg dry	5.4	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.4	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
100-42-5	Styrene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
108-88-3	Toluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:24	BMC
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.1	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/18/2022 06:36	08/18/2022 15:24	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	117 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	96.8 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.8 %	76-130								



Sample Information

Client Sample ID: S-5

York Sample ID: 22H0960-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Total Solids

Log-in Notes: VOA-CONT

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	92.6		%	0.100	1	SM 2540G	08/22/2022 11:00	08/22/2022 14:38	YR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: S-6

York Sample ID: 22H0960-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Volatile Organics, 8260 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/18/2022 06:36	08/18/2022 15:53	BMC
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/18/2022 06:36	08/18/2022 15:53	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC



Sample Information

Client Sample ID: S-6

York Sample ID: 22H0960-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Volatile Organics, 8260 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes: VOA-CONT

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
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
123-91-1	1,4-Dioxane	ND		ug/kg dry	53	110	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
78-93-3	2-Butanone	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
591-78-6	2-Hexanone	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
67-64-1	Acetone	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
107-02-8	Acrolein	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
107-13-1	Acrylonitrile	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
71-43-2	Benzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
75-15-0	Carbon disulfide	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC



Sample Information

Client Sample ID: S-6

York Sample ID: 22H0960-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Volatile Organics, 8260 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes: VOA-CONT

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
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
110-82-7	Cyclohexane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
79-20-9	Methyl acetate	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
75-09-2	Methylene chloride	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
100-42-5	Styrene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC



Sample Information

Client Sample ID: S-6

York Sample ID: 22H0960-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Volatile Organics, 8260 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/18/2022 06:36	08/18/2022 15:53	BMC
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.9	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/18/2022 06:36	08/18/2022 15:53	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	119 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	95.2 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.1 %	76-130								

Total Solids

Log-in Notes: VOA-CONT

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	95.1		%	0.100	1	SM 2540G Certifications: CTDOH	08/22/2022 11:00	08/22/2022 14:38	YR

Sample Information

Client Sample ID: Comp-1, C-1

York Sample ID: 22H0960-07

York Project (SDG) No.

Client Project ID

Matrix

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22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH



Sample Information

Client Sample ID: Comp-1, C-1

York Sample ID: 22H0960-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH



Sample Information

Client Sample ID: Comp-1, C-1

York Sample ID: 22H0960-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
62-53-3	Aniline	ND		mg/kg dry	0.171	0.341	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
92-87-5	Benzidine	ND		mg/kg dry	0.171	0.341	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH



Sample Information

Client Sample ID: Comp-1, C-1

York Sample ID: 22H0960-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
206-44-0	Fluoranthene	0.0606	J	mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH



Sample Information

Client Sample ID: Comp-1, C-1

York Sample ID: 22H0960-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
108-95-2	Phenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 22:55	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	36.2 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	28.9 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	23.4 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	41.0 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	70.2 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	45.0 %			24-116						

Pesticides, 8081 Target List

Log-in Notes: VOA-CONT

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		ug/kg dry	1.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:03	BJ
72-55-9	4,4'-DDE	ND		ug/kg dry	1.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:03	BJ
50-29-3	4,4'-DDT	ND		ug/kg dry	1.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:03	BJ
309-00-2	Aldrin	ND		ug/kg dry	1.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:03	BJ
319-84-6	alpha-BHC	ND		ug/kg dry	1.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:03	BJ
5103-71-9	alpha-Chlordane	5.97		ug/kg dry	1.70	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/22/2022 08:12	08/23/2022 07:03	BJ
319-85-7	beta-BHC	ND		ug/kg dry	1.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:03	BJ
319-86-8	delta-BHC	ND		ug/kg dry	1.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:03	BJ
60-57-1	Dieldrin	ND		ug/kg dry	1.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:03	BJ



Sample Information

Client Sample ID: Comp-1, C-1

York Sample ID: 22H0960-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Pesticides, 8081 Target List

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
959-98-8	Endosulfan I	ND		ug/kg dry	1.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:03	BJ
33213-65-9	Endosulfan II	ND		ug/kg dry	1.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/22/2022 08:12	08/23/2022 07:03	BJ
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:03	BJ
72-20-8	Endrin	ND		ug/kg dry	1.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:03	BJ
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:03	BJ
53494-70-5	Endrin ketone	ND		ug/kg dry	1.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:03	BJ
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:03	BJ
5566-34-7	gamma-Chlordane	6.22		ug/kg dry	1.70	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/22/2022 08:12	08/23/2022 07:03	BJ
76-44-8	Heptachlor	ND		ug/kg dry	1.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:03	BJ
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:03	BJ
72-43-5	Methoxychlor	ND		ug/kg dry	1.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:03	BJ
8001-35-2	Toxaphene	ND		ug/kg dry	1.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:03	BJ
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	49.3 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	67.1 %					30-150			

Polychlorinated Biphenyls (PCB)

Log-in Notes: VOA-CONT

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	0.0171	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 03:50	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0171	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 03:50	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0171	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 03:50	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0171	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 03:50	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0171	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 03:50	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0171	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 03:50	BJ



Sample Information

Client Sample ID: Comp-1, C-1

York Sample ID: 22H0960-07

York Project (SDG) No.
22H0960

Client Project ID
26 Chestnut Ridge Rd., Armonk, NY 10504

Matrix
Soil

Collection Date/Time
August 8, 2022 9:00 am

Date Received
08/16/2022

Polychlorinated Biphenyls (PCB)

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0171	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 03:50	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0171	1	EPA 8082A Certifications:	08/22/2022 08:12	08/23/2022 03:50	BJ
Surrogate Recoveries		Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	67.5 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	68.0 %					30-120			

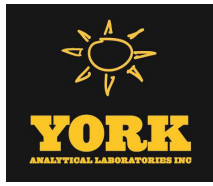
Metals, Target Analyte

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	20700		mg/kg dry	5.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:41	AJL
7440-36-0	Antimony	8.54		mg/kg dry	2.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:41	AJL
7440-38-2	Arsenic	ND		mg/kg dry	1.55	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:41	AJL
7440-39-3	Barium	184		mg/kg dry	2.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:41	AJL
7440-41-7	Beryllium	ND		mg/kg dry	0.052	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:41	AJL
7440-43-9	Cadmium	0.679		mg/kg dry	0.309	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:41	AJL
7440-70-2	Calcium	5300		mg/kg dry	5.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:41	AJL
7440-47-3	Chromium	105		mg/kg dry	0.516	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:41	AJL
7440-48-4	Cobalt	16.8		mg/kg dry	0.413	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:41	AJL
7440-50-8	Copper	39.0		mg/kg dry	2.06	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:41	AJL
7439-89-6	Iron	25400		mg/kg dry	25.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:41	AJL
7439-92-1	Lead	32.4		mg/kg dry	0.516	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:41	AJL
7439-95-4	Magnesium	14000		mg/kg dry	5.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:41	AJL
7439-96-5	Manganese	251		mg/kg dry	0.516	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:41	AJL
7440-02-0	Nickel	55.9		mg/kg dry	1.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:41	AJL



Sample Information

Client Sample ID: Comp-1, C-1

York Sample ID: 22H0960-07

<u>York Project (SDG) No.</u> 22H0960	<u>Client Project ID</u> 26 Chestnut Ridge Rd., Armonk, NY 10504	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 8, 2022 9:00 am	<u>Date Received</u> 08/16/2022
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Metals, Target Analyte

Log-in Notes: VOA-CONT

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
7440-09-7	Potassium	2940	B	mg/kg dry	5.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:41	AJL
7782-49-2	Selenium	ND		mg/kg dry	2.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:41	AJL
7440-22-4	Silver	ND		mg/kg dry	0.516	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:41	AJL
7440-23-5	Sodium	ND		mg/kg dry	51.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:41	AJL
7440-28-0	Thallium	ND		mg/kg dry	2.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:41	AJL
7440-62-2	Vanadium	90.5		mg/kg dry	1.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:41	AJL
7440-66-6	Zinc	89.7		mg/kg dry	2.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:41	AJL

Mercury by 7473

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0309	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/25/2022 09:44	08/25/2022 14:30	MR

Total Solids

Log-in Notes: VOA-CONT

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	97.0		%	0.100	1	SM 2540G Certifications: CTDOH	08/19/2022 16:46	08/19/2022 19:48	AJS

Sample Information

Client Sample ID: Comp-2, C-2

York Sample ID: 22H0960-08

<u>York Project (SDG) No.</u> 22H0960	<u>Client Project ID</u> 26 Chestnut Ridge Rd., Armonk, NY 10504	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 8, 2022 9:00 am	<u>Date Received</u> 08/16/2022
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

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

Client Sample ID: Comp-2, C-2

York Sample ID: 22H0960-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0870	0.174	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0870	0.174	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0870	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0870	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH



Sample Information

Client Sample ID: Comp-2, C-2

York Sample ID: 22H0960-08

York Project (SDG) No.

Client Project ID

Matrix

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22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0870	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0870	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0870	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0870	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
62-53-3	Aniline	ND		mg/kg dry	0.174	0.348	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
92-87-5	Benzidine	ND		mg/kg dry	0.174	0.348	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
56-55-3	Benzo(a)anthracene	0.0765	J	mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
50-32-8	Benzo(a)pyrene	0.0848	J	mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
205-99-2	Benzo(b)fluoranthene	0.0563	J	mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
191-24-2	Benzo(g,h,i)perylene	0.0528	J	mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
207-08-9	Benzo(k)fluoranthene	0.0577	J	mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH



Sample Information

Client Sample ID: Comp-2, C-2

York Sample ID: 22H0960-08

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26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0870	0.174	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
218-01-9	Chrysene	0.0737	J	mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
206-44-0	Fluoranthene	0.138		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.0570	J	mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH



Sample Information

Client Sample ID: Comp-2, C-2

York Sample ID: 22H0960-08

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22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
85-01-8	Phenanthrene	0.0897		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
108-95-2	Phenol	ND		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
129-00-0	Pyrene	0.102		mg/kg dry	0.0436	0.0870	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:26	KH
	Surrogate Recoveries	Result						Acceptance Range			
367-12-4	Surrogate: SURR: 2-Fluorophenol	37.8 %						20-108			
4165-62-2	Surrogate: SURR: Phenol-d5	33.4 %						23-114			
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	21.4 %						22-108			
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	38.6 %						21-113			
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	61.4 %						19-110			
1718-51-0	Surrogate: SURR: Terphenyl-d14	42.6 %						24-116			

Pesticides, 8081 Target List

Log-in Notes: VOA-CONT

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		ug/kg dry	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:21	BJ
72-55-9	4,4'-DDE	ND		ug/kg dry	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:21	BJ
50-29-3	4,4'-DDT	ND		ug/kg dry	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:21	BJ
309-00-2	Aldrin	ND		ug/kg dry	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:21	BJ
319-84-6	alpha-BHC	ND		ug/kg dry	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:21	BJ
5103-71-9	alpha-Chlordane	6.46		ug/kg dry	1.73	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/22/2022 08:12	08/23/2022 07:21	BJ
319-85-7	beta-BHC	ND		ug/kg dry	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:21	BJ



Sample Information

Client Sample ID: Comp-2, C-2

York Sample ID: 22H0960-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Pesticides, 8081 Target List

Log-in Notes: VOA-CONT

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
319-86-8	delta-BHC	ND		ug/kg dry	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:21	BJ
60-57-1	Dieldrin	ND		ug/kg dry	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:21	BJ
959-98-8	Endosulfan I	ND		ug/kg dry	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:21	BJ
33213-65-9	Endosulfan II	ND		ug/kg dry	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/22/2022 08:12	08/23/2022 07:21	BJ
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:21	BJ
72-20-8	Endrin	ND		ug/kg dry	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:21	BJ
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:21	BJ
53494-70-5	Endrin ketone	ND		ug/kg dry	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:21	BJ
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:21	BJ
5566-34-7	gamma-Chlordane	6.13		ug/kg dry	1.73	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/22/2022 08:12	08/23/2022 07:21	BJ
76-44-8	Heptachlor	ND		ug/kg dry	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:21	BJ
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:21	BJ
72-43-5	Methoxychlor	ND		ug/kg dry	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:21	BJ
8001-35-2	Toxaphene	ND		ug/kg dry	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:21	BJ
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	49.4 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	58.0 %					30-150			

Polychlorinated Biphenyls (PCB)

Log-in Notes: VOA-CONT

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	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 04:03	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 04:03	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 04:03	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 04:03	BJ



Sample Information

Client Sample ID: Comp-2, C-2

York Sample ID: 22H0960-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Polychlorinated Biphenyls (PCB)

Log-in Notes: VOA-CONT

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
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 04:03	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 04:03	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 04:03	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications:	08/22/2022 08:12	08/23/2022 04:03	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	64.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	52.0 %	30-120							

Metals, Target Analyte

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	23200		mg/kg dry	5.28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:43	AJL
7440-36-0	Antimony	10.6		mg/kg dry	2.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:43	AJL
7440-38-2	Arsenic	ND		mg/kg dry	1.59	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:43	AJL
7440-39-3	Barium	214		mg/kg dry	2.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:43	AJL
7440-41-7	Beryllium	ND		mg/kg dry	0.053	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:43	AJL
7440-43-9	Cadmium	0.403		mg/kg dry	0.317	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:43	AJL
7440-70-2	Calcium	7340		mg/kg dry	5.28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:43	AJL
7440-47-3	Chromium	117		mg/kg dry	0.528	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:43	AJL
7440-48-4	Cobalt	18.3		mg/kg dry	0.423	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:43	AJL
7440-50-8	Copper	45.9		mg/kg dry	2.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:43	AJL
7439-89-6	Iron	28300		mg/kg dry	26.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:43	AJL
7439-92-1	Lead	40.1		mg/kg dry	0.528	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:43	AJL
7439-95-4	Magnesium	15600		mg/kg dry	5.28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:43	AJL



Sample Information

Client Sample ID: Comp-2, C-2

York Sample ID: 22H0960-08

<u>York Project (SDG) No.</u> 22H0960	<u>Client Project ID</u> 26 Chestnut Ridge Rd., Armonk, NY 10504	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 8, 2022 9:00 am	<u>Date Received</u> 08/16/2022
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Metals, Target Analyte

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	296		mg/kg dry	0.528	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:43	AJL
7440-02-0	Nickel	67.9		mg/kg dry	1.06	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:43	AJL
7440-09-7	Potassium	4330	B	mg/kg dry	5.28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:43	AJL
7782-49-2	Selenium	ND		mg/kg dry	2.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:43	AJL
7440-22-4	Silver	ND		mg/kg dry	0.528	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:43	AJL
7440-23-5	Sodium	ND		mg/kg dry	52.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:43	AJL
7440-28-0	Thallium	ND		mg/kg dry	2.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:43	AJL
7440-62-2	Vanadium	99.1		mg/kg dry	1.06	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:43	AJL
7440-66-6	Zinc	108		mg/kg dry	2.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:43	AJL

Mercury by 7473

Log-in Notes: VOA-CONT

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	0.0620		mg/kg dry	0.0317	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/25/2022 09:44	08/25/2022 14:40	MR

Total Solids

Log-in Notes: VOA-CONT

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	94.6		%	0.100	1	SM 2540G Certifications: CTDOH	08/19/2022 16:46	08/19/2022 19:48	AJS

Sample Information

Client Sample ID: Comp-3, C-3

York Sample ID: 22H0960-09

<u>York Project (SDG) No.</u> 22H0960	<u>Client Project ID</u> 26 Chestnut Ridge Rd., Armonk, NY 10504	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 8, 2022 9:00 am	<u>Date Received</u> 08/16/2022
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Sample Information

Client Sample ID: Comp-3, C-3

York Sample ID: 22H0960-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH



Sample Information

Client Sample ID: Comp-3, C-3

York Sample ID: 22H0960-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
62-53-3	Aniline	ND		mg/kg dry	0.177	0.354	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
92-87-5	Benzidine	ND		mg/kg dry	0.177	0.354	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
56-55-3	Benzo(a)anthracene	0.0714	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
50-32-8	Benzo(a)pyrene	0.103		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
205-99-2	Benzo(b)fluoranthene	0.0771	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
191-24-2	Benzo(g,h,i)perylene	0.0749	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
207-08-9	Benzo(k)fluoranthene	0.0820	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH



Sample Information

Client Sample ID: Comp-3, C-3

York Sample ID: 22H0960-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	0.170		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.0566	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
218-01-9	Chrysene	0.0763	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
206-44-0	Fluoranthene	0.135		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.0749	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH



Sample Information

Client Sample ID: Comp-3, C-3

York Sample ID: 22H0960-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
85-01-8	Phenanthrene	0.0551	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
108-95-2	Phenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
129-00-0	Pyrene	0.103		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:22	08/22/2022 23:57	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	47.6 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	39.9 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	28.1 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	49.4 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	67.0 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	50.2 %	24-116								

Pesticides, 8081 Target List

Log-in Notes: VOA-CONT

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		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:39	BJ
72-55-9	4,4'-DDE	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:39	BJ
50-29-3	4,4'-DDT	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:39	BJ
309-00-2	Aldrin	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:39	BJ
319-84-6	alpha-BHC	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:39	BJ
5103-71-9	alpha-Chlordane	5.46		ug/kg dry	1.74	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/22/2022 08:12	08/23/2022 07:39	BJ
319-85-7	beta-BHC	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:39	BJ



Sample Information

Client Sample ID: Comp-3, C-3

York Sample ID: 22H0960-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Pesticides, 8081 Target List

Log-in Notes: VOA-CONT

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
319-86-8	delta-BHC	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:39	BJ
60-57-1	Dieldrin	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:39	BJ
959-98-8	Endosulfan I	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:39	BJ
33213-65-9	Endosulfan II	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/22/2022 08:12	08/23/2022 07:39	BJ
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:39	BJ
72-20-8	Endrin	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:39	BJ
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:39	BJ
53494-70-5	Endrin ketone	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:39	BJ
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:39	BJ
5566-34-7	gamma-Chlordane	5.36		ug/kg dry	1.74	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/22/2022 08:12	08/23/2022 07:39	BJ
76-44-8	Heptachlor	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:39	BJ
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:39	BJ
72-43-5	Methoxychlor	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:39	BJ
8001-35-2	Toxaphene	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 07:39	BJ
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	42.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	48.6 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes: VOA-CONT

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	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 04:17	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 04:17	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 04:17	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 04:17	BJ



Sample Information

Client Sample ID: Comp-3, C-3

York Sample ID: 22H0960-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Polychlorinated Biphenyls (PCB)

Log-in Notes: VOA-CONT

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
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 04:17	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 04:17	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/22/2022 08:12	08/23/2022 04:17	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	08/22/2022 08:12	08/23/2022 04:17	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	56.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	44.0 %	30-120							

Metals, Target Analyte

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	18900		mg/kg dry	5.34	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:45	AJL
7440-36-0	Antimony	7.80		mg/kg dry	2.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:45	AJL
7440-38-2	Arsenic	ND		mg/kg dry	1.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:45	AJL
7440-39-3	Barium	161		mg/kg dry	2.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:45	AJL
7440-41-7	Beryllium	ND		mg/kg dry	0.053	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:45	AJL
7440-43-9	Cadmium	0.365		mg/kg dry	0.320	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:45	AJL
7440-70-2	Calcium	13700		mg/kg dry	5.34	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:45	AJL
7440-47-3	Chromium	54.2		mg/kg dry	0.534	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:45	AJL
7440-48-4	Cobalt	16.2		mg/kg dry	0.427	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:45	AJL
7440-50-8	Copper	49.0		mg/kg dry	2.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:45	AJL
7439-89-6	Iron	24300		mg/kg dry	26.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:45	AJL
7439-92-1	Lead	38.1		mg/kg dry	0.534	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:45	AJL
7439-95-4	Magnesium	12300		mg/kg dry	5.34	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:45	AJL



Sample Information

Client Sample ID: Comp-3, C-3

York Sample ID: 22H0960-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22H0960

26 Chestnut Ridge Rd., Armonk, NY 10504

Soil

August 8, 2022 9:00 am

08/16/2022

Metals, Target Analyte

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	686		mg/kg dry	0.534	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:45	AJL
7440-02-0	Nickel	36.5		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:45	AJL
7440-09-7	Potassium	3240	B	mg/kg dry	5.34	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:45	AJL
7782-49-2	Selenium	ND		mg/kg dry	2.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:45	AJL
7440-22-4	Silver	0.546		mg/kg dry	0.534	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:45	AJL
7440-23-5	Sodium	ND		mg/kg dry	53.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:45	AJL
7440-28-0	Thallium	ND		mg/kg dry	2.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:45	AJL
7440-62-2	Vanadium	61.7		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:45	AJL
7440-66-6	Zinc	85.4		mg/kg dry	2.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2022 09:10	08/19/2022 11:45	AJL

Mercury by 7473

Log-in Notes: VOA-CONT

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	0.132		mg/kg dry	0.0320	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/25/2022 09:44	08/25/2022 14:49	MR

Total Solids

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.7		%	0.100	1	SM 2540G Certifications: CTDOH	08/19/2022 16:46	08/19/2022 19:48	AJS



Analytical Batch Summary

Batch ID: BH21055 **Preparation Method:** EPA 3050B **Prepared By:** FG

YORK Sample ID	Client Sample ID	Preparation Date
22H0960-07	Comp-1, C-1	08/17/22
22H0960-08	Comp-2, C-2	08/17/22
22H0960-09	Comp-3, C-3	08/17/22
BH21055-BLK1	Blank	08/17/22
BH21055-DUP1	Duplicate	08/17/22
BH21055-MS1	Matrix Spike	08/17/22
BH21055-PS1	Post Spike	08/17/22
BH21055-SRM1	Reference	08/17/22

Batch ID: BH21134 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22H0960-01	S-1	08/18/22
22H0960-02	S-2	08/18/22
22H0960-03	S-3	08/18/22
22H0960-04	S-4	08/18/22
22H0960-05	S-5	08/18/22
22H0960-06	S-6	08/18/22
BH21134-BLK1	Blank	08/18/22
BH21134-BS1	LCS	08/18/22
BH21134-BSD1	LCS Dup	08/18/22

Batch ID: BH21246 **Preparation Method:** % Solids Prep **Prepared By:** AJS

YORK Sample ID	Client Sample ID	Preparation Date
22H0960-07	Comp-1, C-1	08/19/22
22H0960-08	Comp-2, C-2	08/19/22
22H0960-09	Comp-3, C-3	08/19/22
BH21246-DUP1	Duplicate	08/19/22

Batch ID: BH21275 **Preparation Method:** EPA 3550C **Prepared By:** KEO

YORK Sample ID	Client Sample ID	Preparation Date
22H0960-07	Comp-1, C-1	08/22/22
22H0960-07	Comp-1, C-1	08/22/22
22H0960-08	Comp-2, C-2	08/22/22
22H0960-08	Comp-2, C-2	08/22/22
22H0960-09	Comp-3, C-3	08/22/22
22H0960-09	Comp-3, C-3	08/22/22
BH21275-BLK1	Blank	08/22/22
BH21275-BLK2	Blank	08/22/22
BH21275-BS1	LCS	08/22/22
BH21275-BS2	LCS	08/22/22
BH21275-MS2	Matrix Spike	08/22/22



BH21275-MSD2

Matrix Spike Dup

08/22/22

Batch ID: BH21278

Preparation Method: EPA 3546 SVOA

Prepared By: KMB

YORK Sample ID	Client Sample ID	Preparation Date
22H0960-07	Comp-1, C-1	08/22/22
22H0960-08	Comp-2, C-2	08/22/22
22H0960-09	Comp-3, C-3	08/22/22
BH21278-BLK1	Blank	08/22/22
BH21278-BS1	LCS	08/22/22
BH21278-MS1	Matrix Spike	08/22/22
BH21278-MSD1	Matrix Spike Dup	08/22/22

Batch ID: BH21321

Preparation Method: % Solids Prep

Prepared By: YR

YORK Sample ID	Client Sample ID	Preparation Date
22H0960-01	S-1	08/22/22
22H0960-02	S-2	08/22/22
22H0960-03	S-3	08/22/22
22H0960-04	S-4	08/22/22
22H0960-05	S-5	08/22/22
22H0960-06	S-6	08/22/22
BH21321-DUP1	Duplicate	08/22/22
BH21321-DUP2	Duplicate	08/22/22

Batch ID: BH21518

Preparation Method: EPA 7473 soil

Prepared By: MR

YORK Sample ID	Client Sample ID	Preparation Date
22H0960-07	Comp-1, C-1	08/25/22
22H0960-08	Comp-2, C-2	08/25/22
22H0960-09	Comp-3, C-3	08/25/22
BH21518-BLK1	Blank	08/25/22
BH21518-DUP1	Duplicate	08/25/22
BH21518-MS1	Matrix Spike	08/25/22
BH21518-SRM1	Reference	08/25/22



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH21134 - EPA 5035A

Blank (BH21134-BLK1)

Prepared & Analyzed: 08/18/2022

1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH21134 - EPA 5035A

Blank (BH21134-BLK1)

Prepared & Analyzed: 08/18/2022

Methylene chloride	ND	10	ug/kg wet								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
<i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i>	52.5		ug/L	50.0		105	77-125				
<i>Surrogate: SURRE: Toluene-d8</i>	48.3		"	50.0		96.6	85-120				
<i>Surrogate: SURRE: p-Bromofluorobenzene</i>	47.6		"	50.0		95.2	76-130				

LCS (BH21134-BS1)

Prepared & Analyzed: 08/18/2022

1,1,1,2-Tetrachloroethane	48.0		ug/L	50.0		96.0	75-129				
1,1,1-Trichloroethane	46.5		"	50.0		93.1	71-137				
1,1,2,2-Tetrachloroethane	44.6		"	50.0		89.1	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	42.5		"	50.0		85.0	58-146				
1,1,2-Trichloroethane	45.3		"	50.0		90.7	83-123				
1,1-Dichloroethane	44.8		"	50.0		89.5	75-130				
1,1-Dichloroethylene	44.7		"	50.0		89.4	64-137				
1,2,3-Trichlorobenzene	43.6		"	50.0		87.1	81-140				
1,2,3-Trichloropropane	47.4		"	50.0		94.8	81-126				
1,2,4-Trichlorobenzene	44.9		"	50.0		89.7	80-141				
1,2,4-Trimethylbenzene	44.5		"	50.0		89.1	84-125				
1,2-Dibromo-3-chloropropane	40.9		"	50.0		81.8	74-142				
1,2-Dibromoethane	46.8		"	50.0		93.6	86-123				
1,2-Dichlorobenzene	43.3		"	50.0		86.7	85-122				
1,2-Dichloroethane	48.4		"	50.0		96.9	71-133				
1,2-Dichloropropane	44.2		"	50.0		88.4	81-122				
1,3,5-Trimethylbenzene	43.1		"	50.0		86.3	82-126				
1,3-Dichlorobenzene	43.6		"	50.0		87.1	84-124				
1,4-Dichlorobenzene	43.2		"	50.0		86.3	84-124				
1,4-Dioxane	909		"	1050		86.6	10-228				
2-Butanone	44.0		"	50.0		87.9	58-147				
2-Hexanone	44.9		"	50.0		89.8	70-139				
4-Methyl-2-pentanone	45.3		"	50.0		90.6	72-132				
Acetone	54.6		"	50.0		109	36-155				
Acrolein	46.0		"	50.0		91.9	10-238				
Acrylonitrile	46.6		"	50.0		93.3	66-141				
Benzene	44.4		"	50.0		88.7	77-127				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH21134 - EPA 5035A

LCS (BH21134-BS1)

Prepared & Analyzed: 08/18/2022

Bromochloromethane	47.6		ug/L	50.0		95.2	74-129				
Bromodichloromethane	46.6		"	50.0		93.2	81-124				
Bromoform	45.4		"	50.0		90.7	80-136				
Bromomethane	38.5		"	50.0		77.0	32-177				
Carbon disulfide	41.6		"	50.0		83.1	10-136				
Carbon tetrachloride	49.2		"	50.0		98.5	66-143				
Chlorobenzene	46.0		"	50.0		92.1	86-120				
Chloroethane	43.3		"	50.0		86.5	51-142				
Chloroform	47.3		"	50.0		94.6	76-131				
Chloromethane	35.9		"	50.0		71.8	49-132				
cis-1,2-Dichloroethylene	45.0		"	50.0		90.1	74-132				
cis-1,3-Dichloropropylene	46.3		"	50.0		92.6	81-129				
Cyclohexane	38.8		"	50.0		77.6	70-130				
Dibromochloromethane	48.9		"	50.0		97.7	10-200				
Dibromomethane	44.7		"	50.0		89.5	83-124				
Dichlorodifluoromethane	28.3		"	50.0		56.6	28-158				
Ethyl Benzene	44.7		"	50.0		89.3	84-125				
Hexachlorobutadiene	44.7		"	50.0		89.4	83-133				
Isopropylbenzene	44.5		"	50.0		88.9	81-127				
Methyl acetate	38.0		"	50.0		76.0	41-143				
Methyl tert-butyl ether (MTBE)	37.4		"	50.0		74.9	74-131				
Methylcyclohexane	39.0		"	50.0		77.9	70-130				
Methylene chloride	43.6		"	50.0		87.2	57-141				
n-Butylbenzene	42.9		"	50.0		85.8	80-130				
n-Propylbenzene	43.2		"	50.0		86.4	74-136				
o-Xylene	46.4		"	50.0		92.7	83-123				
p- & m- Xylenes	91.4		"	100		91.4	82-128				
p-Isopropyltoluene	44.6		"	50.0		89.2	85-125				
sec-Butylbenzene	43.7		"	50.0		87.3	83-125				
Styrene	44.7		"	50.0		89.3	86-126				
tert-Butyl alcohol (TBA)	201		"	250		80.5	70-130				
tert-Butylbenzene	44.4		"	50.0		88.7	80-127				
Tetrachloroethylene	39.7		"	50.0		79.4	80-129	Low Bias			
Toluene	43.1		"	50.0		86.2	85-121				
trans-1,2-Dichloroethylene	44.1		"	50.0		88.3	72-132				
trans-1,3-Dichloropropylene	41.3		"	50.0		82.6	78-132				
Trichloroethylene	43.3		"	50.0		86.5	84-123				
Trichlorofluoromethane	43.7		"	50.0		87.3	62-140				
Vinyl Chloride	38.3		"	50.0		76.6	52-130				
Surrogate: SURRE: 1,2-Dichloroethane-d4	52.6		"	50.0		105	77-125				
Surrogate: SURRE: Toluene-d8	48.8		"	50.0		97.7	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	48.9		"	50.0		97.8	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH21134 - EPA 5035A											
LCS Dup (BH21134-BSD1)											
Prepared & Analyzed: 08/18/2022											
1,1,1,2-Tetrachloroethane	54.8		ug/L	50.0		110	75-129		13.2	30	
1,1,1-Trichloroethane	51.4		"	50.0		103	71-137		10.0	30	
1,1,2,2-Tetrachloroethane	49.9		"	50.0		99.8	79-129		11.3	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	47.0		"	50.0		94.0	58-146		9.99	30	
1,1,2-Trichloroethane	50.1		"	50.0		100	83-123		9.96	30	
1,1-Dichloroethane	48.6		"	50.0		97.2	75-130		8.27	30	
1,1-Dichloroethylene	48.1		"	50.0		96.1	64-137		7.22	30	
1,2,3-Trichlorobenzene	48.9		"	50.0		97.9	81-140		11.6	30	
1,2,3-Trichloropropane	52.1		"	50.0		104	81-126		9.39	30	
1,2,4-Trichlorobenzene	49.4		"	50.0		98.9	80-141		9.71	30	
1,2,4-Trimethylbenzene	50.8		"	50.0		102	84-125		13.1	30	
1,2-Dibromo-3-chloropropane	46.6		"	50.0		93.2	74-142		13.0	30	
1,2-Dibromoethane	52.6		"	50.0		105	86-123		11.7	30	
1,2-Dichlorobenzene	48.5		"	50.0		97.0	85-122		11.3	30	
1,2-Dichloroethane	52.1		"	50.0		104	71-133		7.22	30	
1,2-Dichloropropane	50.2		"	50.0		100	81-122		12.6	30	
1,3,5-Trimethylbenzene	49.9		"	50.0		99.8	82-126		14.6	30	
1,3-Dichlorobenzene	49.5		"	50.0		98.9	84-124		12.7	30	
1,4-Dichlorobenzene	49.9		"	50.0		99.7	84-124		14.4	30	
1,4-Dioxane	1080		"	1050		103	10-228		17.3	30	
2-Butanone	48.1		"	50.0		96.2	58-147		9.01	30	
2-Hexanone	50.6		"	50.0		101	70-139		12.0	30	
4-Methyl-2-pentanone	51.2		"	50.0		102	72-132		12.2	30	
Acetone	61.0		"	50.0		122	36-155		11.0	30	
Acrolein	48.5		"	50.0		97.1	10-238		5.46	30	
Acrylonitrile	50.8		"	50.0		102	66-141		8.48	30	
Benzene	48.9		"	50.0		97.8	77-127		9.76	30	
Bromochloromethane	50.9		"	50.0		102	74-129		6.60	30	
Bromodichloromethane	52.0		"	50.0		104	81-124		11.0	30	
Bromoform	50.1		"	50.0		100	80-136		9.97	30	
Bromomethane	42.6		"	50.0		85.2	32-177		10.1	30	
Carbon disulfide	46.6		"	50.0		93.1	10-136		11.3	30	
Carbon tetrachloride	54.7		"	50.0		109	66-143		10.5	30	
Chlorobenzene	51.9		"	50.0		104	86-120		12.0	30	
Chloroethane	48.9		"	50.0		97.8	51-142		12.2	30	
Chloroform	52.0		"	50.0		104	76-131		9.45	30	
Chloromethane	38.6		"	50.0		77.3	49-132		7.35	30	
cis-1,2-Dichloroethylene	49.4		"	50.0		98.9	74-132		9.32	30	
cis-1,3-Dichloropropylene	52.7		"	50.0		105	81-129		12.9	30	
Cyclohexane	42.8		"	50.0		85.6	70-130		9.83	30	
Dibromochloromethane	54.5		"	50.0		109	10-200		11.0	30	
Dibromomethane	51.9		"	50.0		104	83-124		14.8	30	
Dichlorodifluoromethane	30.1		"	50.0		60.2	28-158		6.27	30	
Ethyl Benzene	51.4		"	50.0		103	84-125		13.9	30	
Hexachlorobutadiene	52.4		"	50.0		105	83-133		16.0	30	
Isopropylbenzene	51.7		"	50.0		103	81-127		15.0	30	
Methyl acetate	42.8		"	50.0		85.6	41-143		11.9	30	
Methyl tert-butyl ether (MTBE)	41.3		"	50.0		82.5	74-131		9.76	30	
Methylcyclohexane	45.6		"	50.0		91.2	70-130		15.7	30	
Methylene chloride	47.7		"	50.0		95.4	57-141		8.92	30	



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH21134 - EPA 5035A

LCS Dup (BH21134-BSD1)

Prepared & Analyzed: 08/18/2022

n-Butylbenzene	49.0		ug/L	50.0		98.1	80-130		13.4	30	
n-Propylbenzene	50.2		"	50.0		100	74-136		15.1	30	
o-Xylene	52.7		"	50.0		105	83-123		12.8	30	
p- & m- Xylenes	104		"	100		104	82-128		12.6	30	
p-Isopropyltoluene	50.9		"	50.0		102	85-125		13.2	30	
sec-Butylbenzene	50.3		"	50.0		101	83-125		14.1	30	
Styrene	50.5		"	50.0		101	86-126		12.2	30	
tert-Butyl alcohol (TBA)	230		"	250		92.2	70-130		13.5	30	
tert-Butylbenzene	51.8		"	50.0		104	80-127		15.4	30	
Tetrachloroethylene	45.0		"	50.0		90.0	80-129		12.5	30	
Toluene	48.6		"	50.0		97.1	85-121		11.9	30	
trans-1,2-Dichloroethylene	49.0		"	50.0		98.0	72-132		10.4	30	
trans-1,3-Dichloropropylene	45.9		"	50.0		91.7	78-132		10.4	30	
Trichloroethylene	49.8		"	50.0		99.7	84-123		14.1	30	
Trichlorofluoromethane	48.8		"	50.0		97.6	62-140		11.1	30	
Vinyl Chloride	43.5		"	50.0		86.9	52-130		12.6	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>51.7</i>		<i>"</i>	<i>50.0</i>		<i>103</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>48.9</i>		<i>"</i>	<i>50.0</i>		<i>97.8</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>50.1</i>		<i>"</i>	<i>50.0</i>		<i>100</i>	<i>76-130</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH21278 - EPA 3546 SVOA

Blank (BH21278-BLK1)

Prepared & Analyzed: 08/22/2022

1,1-Biphenyl	ND	0.0417	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0833	"								
1,2,4-Trichlorobenzene	ND	0.0417	"								
1,2-Dichlorobenzene	ND	0.0417	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0417	"								
1,3-Dichlorobenzene	ND	0.0417	"								
1,4-Dichlorobenzene	ND	0.0417	"								
2,3,4,6-Tetrachlorophenol	ND	0.0833	"								
2,4,5-Trichlorophenol	ND	0.0417	"								
2,4,6-Trichlorophenol	ND	0.0417	"								
2,4-Dichlorophenol	ND	0.0417	"								
2,4-Dimethylphenol	ND	0.0417	"								
2,4-Dinitrophenol	ND	0.0833	"								
2,4-Dinitrotoluene	ND	0.0417	"								
2,6-Dinitrotoluene	ND	0.0417	"								
2-Chloronaphthalene	ND	0.0417	"								
2-Chlorophenol	ND	0.0417	"								
2-Methylnaphthalene	ND	0.0417	"								
2-Methylphenol	ND	0.0417	"								
2-Nitroaniline	ND	0.0833	"								
2-Nitrophenol	ND	0.0417	"								
3- & 4-Methylphenols	ND	0.0417	"								
3,3-Dichlorobenzidine	ND	0.0417	"								
3-Nitroaniline	ND	0.0833	"								
4,6-Dinitro-2-methylphenol	ND	0.0833	"								
4-Bromophenyl phenyl ether	ND	0.0417	"								
4-Chloro-3-methylphenol	ND	0.0417	"								
4-Chloroaniline	ND	0.0417	"								
4-Chlorophenyl phenyl ether	ND	0.0417	"								
4-Nitroaniline	ND	0.0833	"								
4-Nitrophenol	ND	0.0833	"								
Acenaphthene	ND	0.0417	"								
Acenaphthylene	ND	0.0417	"								
Acetophenone	ND	0.0417	"								
Aniline	ND	0.167	"								
Anthracene	ND	0.0417	"								
Atrazine	ND	0.0417	"								
Benzaldehyde	ND	0.0417	"								
Benzidine	ND	0.167	"								
Benzo(a)anthracene	ND	0.0417	"								
Benzo(a)pyrene	ND	0.0417	"								
Benzo(b)fluoranthene	ND	0.0417	"								
Benzo(g,h,i)perylene	ND	0.0417	"								
Benzo(k)fluoranthene	ND	0.0417	"								
Benzoic acid	ND	0.0417	"								
Benzyl alcohol	ND	0.0417	"								
Benzyl butyl phthalate	ND	0.0417	"								
Bis(2-chloroethoxy)methane	ND	0.0417	"								
Bis(2-chloroethyl)ether	ND	0.0417	"								
Bis(2-chloroisopropyl)ether	ND	0.0417	"								
Bis(2-ethylhexyl)phthalate	ND	0.0417	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH21278 - EPA 3546 SVOA

Blank (BH21278-BLK1)

Prepared & Analyzed: 08/22/2022

Caprolactam	ND	0.0833	mg/kg wet								
Carbazole	ND	0.0417	"								
Chrysene	ND	0.0417	"								
Dibenzo(a,h)anthracene	ND	0.0417	"								
Dibenzofuran	ND	0.0417	"								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Surrogate: SURR: 2-Fluorophenol	0.881		"	1.67		52.9	20-108				
Surrogate: SURR: Phenol-d5	0.810		"	1.67		48.6	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.415		"	0.833		49.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.451		"	0.833		54.1	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.36		"	1.67		81.7	19-110				
Surrogate: SURR: Terphenyl-d14	0.660		"	0.833		79.2	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH21278 - EPA 3546 SVOA											
LCS (BH21278-BS1)											
Prepared & Analyzed: 08/22/2022											
1,1-Biphenyl	0.499	0.0417	mg/kg wet	0.833		59.9	18-111				
1,2,4,5-Tetrachlorobenzene	0.549	0.0833	"	0.833		65.9	21-131				
1,2,4-Trichlorobenzene	0.515	0.0417	"	0.833		61.8	10-140				
1,2-Dichlorobenzene	0.466	0.0417	"	0.833		56.0	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.394	0.0417	"	0.833		47.3	17-137				
1,3-Dichlorobenzene	0.470	0.0417	"	0.833		56.4	33-110				
1,4-Dichlorobenzene	0.471	0.0417	"	0.833		56.5	32-104				
2,3,4,6-Tetrachlorophenol	0.650	0.0833	"	0.833		78.0	30-130				
2,4,5-Trichlorophenol	0.585	0.0417	"	0.833		70.2	27-118				
2,4,6-Trichlorophenol	0.531	0.0417	"	0.833		63.7	31-120				
2,4-Dichlorophenol	0.512	0.0417	"	0.833		61.4	20-127				
2,4-Dimethylphenol	0.487	0.0417	"	0.833		58.5	14-132				
2,4-Dinitrophenol	0.102	0.0833	"	0.833		12.2	10-171				
2,4-Dinitrotoluene	0.439	0.0417	"	0.833		52.7	34-131				
2,6-Dinitrotoluene	0.485	0.0417	"	0.833		58.2	31-128				
2-Chloronaphthalene	0.459	0.0417	"	0.833		55.1	31-117				
2-Chlorophenol	0.458	0.0417	"	0.833		55.0	33-113				
2-Methylnaphthalene	0.468	0.0417	"	0.833		56.1	12-138				
2-Methylphenol	0.425	0.0417	"	0.833		51.0	10-136				
2-Nitroaniline	0.619	0.0833	"	0.833		74.3	27-132				
2-Nitrophenol	0.430	0.0417	"	0.833		51.6	17-129				
3- & 4-Methylphenols	0.397	0.0417	"	0.833		47.6	29-103				
3,3-Dichlorobenzidine	0.472	0.0417	"	0.833		56.6	22-149				
3-Nitroaniline	0.613	0.0833	"	0.833		73.6	20-133				
4,6-Dinitro-2-methylphenol	0.0840	0.0833	"	0.833		10.1	10-143				
4-Bromophenyl phenyl ether	0.533	0.0417	"	0.833		64.0	29-120				
4-Chloro-3-methylphenol	0.491	0.0417	"	0.833		58.9	24-129				
4-Chloroaniline	0.387	0.0417	"	0.833		46.5	10-132				
4-Chlorophenyl phenyl ether	0.518	0.0417	"	0.833		62.1	27-124				
4-Nitroaniline	0.656	0.0833	"	0.833		78.7	16-128				
4-Nitrophenol	0.396	0.0833	"	0.833		47.6	10-141				
Acenaphthene	0.472	0.0417	"	0.833		56.6	30-121				
Acenaphthylene	0.442	0.0417	"	0.833		53.0	30-115				
Acetophenone	0.472	0.0417	"	0.833		56.7	20-112				
Aniline	0.403	0.167	"	0.833		48.4	10-119				
Anthracene	0.509	0.0417	"	0.833		61.1	34-118				
Atrazine	0.546	0.0417	"	0.833		65.5	26-112				
Benzaldehyde	0.455	0.0417	"	0.833		54.6	21-100				
Benzo(a)anthracene	0.527	0.0417	"	0.833		63.3	32-122				
Benzo(a)pyrene	0.402	0.0417	"	0.833		48.2	29-133				
Benzo(b)fluoranthene	0.460	0.0417	"	0.833		55.2	25-133				
Benzo(g,h,i)perylene	0.356	0.0417	"	0.833		42.7	10-143				
Benzo(k)fluoranthene	0.423	0.0417	"	0.833		50.8	25-128				
Benzoic acid	0.249	0.0417	"	0.833		29.8	10-140				
Benzyl alcohol	0.431	0.0417	"	0.833		51.8	30-115				
Benzyl butyl phthalate	0.467	0.0417	"	0.833		56.0	26-126				
Bis(2-chloroethoxy)methane	0.418	0.0417	"	0.833		50.2	19-132				
Bis(2-chloroethyl)ether	0.393	0.0417	"	0.833		47.2	19-125				
Bis(2-chloroisopropyl)ether	0.281	0.0417	"	0.833		33.7	20-135				
Bis(2-ethylhexyl)phthalate	0.417	0.0417	"	0.833		50.0	10-155				
Caprolactam	0.560	0.0833	"	0.833		67.2	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH21278 - EPA 3546 SVOA											
LCS (BH21278-BS1)											
Prepared & Analyzed: 08/22/2022											
Carbazole	0.521	0.0417	mg/kg wet	0.833		62.5	35-123				
Chrysene	0.485	0.0417	"	0.833		58.2	32-123				
Dibenzo(a,h)anthracene	0.404	0.0417	"	0.833		48.4	10-136				
Dibenzofuran	0.485	0.0417	"	0.833		58.2	29-121				
Diethyl phthalate	0.484	0.0417	"	0.833		58.0	34-116				
Dimethyl phthalate	0.473	0.0417	"	0.833		56.8	35-124				
Di-n-butyl phthalate	0.463	0.0417	"	0.833		55.6	31-116				
Di-n-octyl phthalate	0.393	0.0417	"	0.833		47.2	26-136				
Fluoranthene	0.516	0.0417	"	0.833		61.9	33-122				
Fluorene	0.473	0.0417	"	0.833		56.7	29-123				
Hexachlorobenzene	0.464	0.0417	"	0.833		55.6	21-124				
Hexachlorobutadiene	0.574	0.0417	"	0.833		68.9	10-149				
Hexachlorocyclopentadiene	0.0537	0.0417	"	0.833		6.44	10-129	Low Bias			
Hexachloroethane	0.339	0.0417	"	0.833		40.6	28-108				
Indeno(1,2,3-cd)pyrene	0.412	0.0417	"	0.833		49.4	10-135				
Isophorone	0.433	0.0417	"	0.833		52.0	20-132				
Naphthalene	0.465	0.0417	"	0.833		55.8	23-124				
Nitrobenzene	0.452	0.0417	"	0.833		54.2	13-132				
N-Nitrosodimethylamine	0.226	0.0417	"	0.833		27.2	11-129				
N-nitroso-di-n-propylamine	0.365	0.0417	"	0.833		43.8	24-119				
N-Nitrosodiphenylamine	0.583	0.0417	"	0.833		70.0	22-152				
Pentachlorophenol	0.619	0.0417	"	0.833		74.2	10-139				
Phenanthrene	0.465	0.0417	"	0.833		55.8	33-123				
Phenol	0.462	0.0417	"	0.833		55.4	23-115				
Pyrene	0.496	0.0417	"	0.833		59.5	24-130				
Surrogate: SURR: 2-Fluorophenol	0.978		"	1.67		58.7	20-108				
Surrogate: SURR: Phenol-d5	0.899		"	1.67		53.9	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.511		"	0.833		61.4	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.504		"	0.833		60.5	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.61		"	1.67		96.9	19-110				
Surrogate: SURR: Terphenyl-d14	0.621		"	0.833		74.5	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH21278 - EPA 3546 SVOA											
Matrix Spike (BH21278-MS1)	*Source sample: 22H0960-07 (Comp-1, C-1)						Prepared & Analyzed: 08/22/2022				
1,1-Biphenyl	0.395	0.0860	mg/kg dry	0.859	ND	46.0	10-130				
1,2,4,5-Tetrachlorobenzene	0.443	0.172	"	0.859	ND	51.5	10-133				
1,2,4-Trichlorobenzene	0.400	0.0860	"	0.859	ND	46.6	10-127				
1,2-Dichlorobenzene	0.361	0.0860	"	0.859	ND	42.0	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.353	0.0860	"	0.859	ND	41.0	10-144				
1,3-Dichlorobenzene	0.369	0.0860	"	0.859	ND	43.0	11-111				
1,4-Dichlorobenzene	0.377	0.0860	"	0.859	ND	43.8	10-106				
2,3,4,6-Tetrachlorophenol	0.484	0.172	"	0.859	ND	56.3	30-130				
2,4,5-Trichlorophenol	0.473	0.0860	"	0.859	ND	55.0	10-127				
2,4,6-Trichlorophenol	0.425	0.0860	"	0.859	ND	49.4	10-132				
2,4-Dichlorophenol	0.426	0.0860	"	0.859	ND	49.6	10-128				
2,4-Dimethylphenol	0.341	0.0860	"	0.859	ND	39.7	10-137				
2,4-Dinitrophenol	ND	0.172	"	0.859	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.324	0.0860	"	0.859	ND	37.7	16-135				
2,6-Dinitrotoluene	0.371	0.0860	"	0.859	ND	43.2	18-131				
2-Chloronaphthalene	0.387	0.0860	"	0.859	ND	45.0	10-129				
2-Chlorophenol	0.377	0.0860	"	0.859	ND	43.9	15-116				
2-Methylnaphthalene	0.381	0.0860	"	0.859	ND	44.3	10-147				
2-Methylphenol	0.353	0.0860	"	0.859	ND	41.0	10-136				
2-Nitroaniline	0.560	0.172	"	0.859	ND	65.2	10-137				
2-Nitrophenol	0.263	0.0860	"	0.859	ND	30.6	10-129				
3- & 4-Methylphenols	0.362	0.0860	"	0.859	ND	42.1	10-123				
3,3-Dichlorobenzidine	0.333	0.0860	"	0.859	ND	38.7	10-155				
3-Nitroaniline	0.495	0.172	"	0.859	ND	57.6	12-133				
4,6-Dinitro-2-methylphenol	ND	0.172	"	0.859	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.454	0.0860	"	0.859	ND	52.8	14-128				
4-Chloro-3-methylphenol	0.395	0.0860	"	0.859	ND	46.0	10-134				
4-Chloroaniline	0.358	0.0860	"	0.859	ND	41.6	10-145				
4-Chlorophenyl phenyl ether	0.396	0.0860	"	0.859	ND	46.1	14-130				
4-Nitroaniline	0.502	0.172	"	0.859	ND	58.4	10-147				
4-Nitrophenol	0.373	0.172	"	0.859	ND	43.4	10-137				
Acenaphthene	0.388	0.0860	"	0.859	ND	45.2	10-146				
Acenaphthylene	0.358	0.0860	"	0.859	ND	41.6	10-134				
Acetophenone	0.391	0.0860	"	0.859	ND	45.5	10-116				
Aniline	0.311	0.344	"	0.859	ND	36.2	10-123				
Anthracene	0.405	0.0860	"	0.859	ND	47.1	10-142				
Atrazine	0.481	0.0860	"	0.859	ND	56.0	19-115				
Benzaldehyde	0.362	0.0860	"	0.859	ND	42.2	10-125				
Benzo(a)anthracene	0.416	0.0860	"	0.859	ND	48.4	10-158				
Benzo(a)pyrene	0.314	0.0860	"	0.859	ND	36.5	10-180				
Benzo(b)fluoranthene	0.353	0.0860	"	0.859	ND	41.1	10-200				
Benzo(g,h,i)perylene	0.270	0.0860	"	0.859	ND	31.4	10-138				
Benzo(k)fluoranthene	0.332	0.0860	"	0.859	ND	38.6	10-197				
Benzoic acid	0.137	0.0860	"	0.859	ND	15.9	10-166				
Benzyl alcohol	0.368	0.0860	"	0.859	ND	42.8	12-124				
Benzyl butyl phthalate	0.401	0.0860	"	0.859	ND	46.6	10-154				
Bis(2-chloroethoxy)methane	0.332	0.0860	"	0.859	ND	38.6	10-132				
Bis(2-chloroethyl)ether	0.351	0.0860	"	0.859	ND	40.9	10-119				
Bis(2-chloroisopropyl)ether	0.238	0.0860	"	0.859	ND	27.7	10-139				
Bis(2-ethylhexyl)phthalate	0.377	0.0860	"	0.859	ND	43.9	10-167				
Caprolactam	0.459	0.172	"	0.859	ND	53.4	10-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH21278 - EPA 3546 SVOA											
Matrix Spike (BH21278-MS1)	*Source sample: 22H0960-07 (Comp-1, C-1)						Prepared & Analyzed: 08/22/2022				
Carbazole	0.413	0.0860	mg/kg dry	0.859	ND	48.1	10-167				
Chrysene	0.380	0.0860	"	0.859	ND	44.2	10-156				
Dibenzo(a,h)anthracene	0.339	0.0860	"	0.859	ND	39.4	10-137				
Dibenzofuran	0.384	0.0860	"	0.859	ND	44.6	10-147				
Diethyl phthalate	0.375	0.0860	"	0.859	ND	43.7	20-120				
Dimethyl phthalate	0.386	0.0860	"	0.859	ND	45.0	18-131				
Di-n-butyl phthalate	0.393	0.0860	"	0.859	ND	45.8	10-137				
Di-n-octyl phthalate	0.340	0.0860	"	0.859	ND	39.6	10-180				
Fluoranthene	0.422	0.0860	"	0.859	0.0606	42.1	10-160				
Fluorene	0.379	0.0860	"	0.859	ND	44.1	10-157				
Hexachlorobenzene	0.410	0.0860	"	0.859	ND	47.8	10-137				
Hexachlorobutadiene	0.434	0.0860	"	0.859	ND	50.5	10-132				
Hexachlorocyclopentadiene	ND	0.0860	"	0.859	ND		10-106	Low Bias			
Hexachloroethane	0.229	0.0860	"	0.859	ND	26.6	10-110				
Indeno(1,2,3-cd)pyrene	0.354	0.0860	"	0.859	ND	41.2	10-144				
Isophorone	0.329	0.0860	"	0.859	ND	38.3	10-132				
Naphthalene	0.372	0.0860	"	0.859	ND	43.3	10-141				
Nitrobenzene	0.373	0.0860	"	0.859	ND	43.4	10-131				
N-Nitrosodimethylamine	0.163	0.0860	"	0.859	ND	19.0	10-126				
N-nitroso-di-n-propylamine	0.316	0.0860	"	0.859	ND	36.8	10-125				
N-Nitrosodiphenylamine	0.506	0.0860	"	0.859	ND	58.9	10-177				
Pentachlorophenol	0.416	0.0860	"	0.859	ND	48.4	10-153				
Phenanthrene	0.393	0.0860	"	0.859	ND	45.8	10-148				
Phenol	0.375	0.0860	"	0.859	ND	43.6	10-126				
Pyrene	0.417	0.0860	"	0.859	ND	48.6	10-165				
Surrogate: SURR: 2-Fluorophenol	0.780		"	1.72		45.4	20-108				
Surrogate: SURR: Phenol-d5	0.743		"	1.72		43.2	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.393		"	0.859		45.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.407		"	0.859		47.4	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.42		"	1.72		82.5	19-110				
Surrogate: SURR: Terphenyl-d14	0.522		"	0.859		60.7	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH21278 - EPA 3546 SVOA											
Matrix Spike Dup (BH21278-MSD1)	*Source sample: 22H0960-07 (Comp-1, C-1)					Prepared & Analyzed: 08/22/2022					
1,1-Biphenyl	0.388	0.0860	mg/kg dry	0.859	ND	45.2	10-130		1.75	30	
1,2,4,5-Tetrachlorobenzene	0.428	0.172	"	0.859	ND	49.8	10-133		3.48	30	
1,2,4-Trichlorobenzene	0.402	0.0860	"	0.859	ND	46.7	10-127		0.343	30	
1,2-Dichlorobenzene	0.360	0.0860	"	0.859	ND	41.8	14-111		0.382	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.319	0.0860	"	0.859	ND	37.1	10-144		10.0	30	
1,3-Dichlorobenzene	0.342	0.0860	"	0.859	ND	39.8	11-111		7.54	30	
1,4-Dichlorobenzene	0.393	0.0860	"	0.859	ND	45.8	10-106		4.29	30	
2,3,4,6-Tetrachlorophenol	0.508	0.172	"	0.859	ND	59.1	30-130		4.85	30	
2,4,5-Trichlorophenol	0.502	0.0860	"	0.859	ND	58.4	10-127		5.92	30	
2,4,6-Trichlorophenol	0.446	0.0860	"	0.859	ND	51.8	10-132		4.74	30	
2,4-Dichlorophenol	0.386	0.0860	"	0.859	ND	45.0	10-128		9.81	30	
2,4-Dimethylphenol	0.360	0.0860	"	0.859	ND	41.8	10-137		5.30	30	
2,4-Dinitrophenol	ND	0.172	"	0.859	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.326	0.0860	"	0.859	ND	37.9	16-135		0.635	30	
2,6-Dinitrotoluene	0.341	0.0860	"	0.859	ND	39.7	18-131		8.49	30	
2-Chloronaphthalene	0.366	0.0860	"	0.859	ND	42.6	10-129		5.66	30	
2-Chlorophenol	0.386	0.0860	"	0.859	ND	44.9	15-116		2.16	30	
2-Methylnaphthalene	0.388	0.0860	"	0.859	ND	45.2	10-147		1.97	30	
2-Methylphenol	0.342	0.0860	"	0.859	ND	39.8	10-136		2.97	30	
2-Nitroaniline	0.530	0.172	"	0.859	ND	61.7	10-137		5.55	30	
2-Nitrophenol	0.283	0.0860	"	0.859	ND	33.0	10-129		7.56	30	
3- & 4-Methylphenols	0.338	0.0860	"	0.859	ND	39.4	10-123		6.68	30	
3,3-Dichlorobenzidine	0.344	0.0860	"	0.859	ND	40.0	10-155		3.25	30	
3-Nitroaniline	0.521	0.172	"	0.859	ND	60.6	12-133		5.14	30	
4,6-Dinitro-2-methylphenol	ND	0.172	"	0.859	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.461	0.0860	"	0.859	ND	53.6	14-128		1.50	30	
4-Chloro-3-methylphenol	0.428	0.0860	"	0.859	ND	49.8	10-134		8.01	30	
4-Chloroaniline	0.329	0.0860	"	0.859	ND	38.3	10-145		8.21	30	
4-Chlorophenyl phenyl ether	0.390	0.0860	"	0.859	ND	45.4	14-130		1.57	30	
4-Nitroaniline	0.512	0.172	"	0.859	ND	59.6	10-147		2.03	30	
4-Nitrophenol	0.354	0.172	"	0.859	ND	41.2	10-137		5.29	30	
Acenaphthene	0.386	0.0860	"	0.859	ND	45.0	10-146		0.532	30	
Acenaphthylene	0.360	0.0860	"	0.859	ND	41.8	10-134		0.575	30	
Acetophenone	0.365	0.0860	"	0.859	ND	42.5	10-116		6.91	30	
Aniline	0.309	0.344	"	0.859	ND	35.9	10-123		0.887	30	
Anthracene	0.421	0.0860	"	0.859	ND	49.0	10-142		3.83	30	
Atrazine	0.503	0.0860	"	0.859	ND	58.6	19-115		4.47	30	
Benzaldehyde	0.369	0.0860	"	0.859	ND	42.9	10-125		1.69	30	
Benzo(a)anthracene	0.438	0.0860	"	0.859	ND	51.0	10-158		5.15	30	
Benzo(a)pyrene	0.340	0.0860	"	0.859	ND	39.5	10-180		8.00	30	
Benzo(b)fluoranthene	0.377	0.0860	"	0.859	ND	43.8	10-200		6.40	30	
Benzo(g,h,i)perylene	0.280	0.0860	"	0.859	ND	32.6	10-138		3.50	30	
Benzo(k)fluoranthene	0.351	0.0860	"	0.859	ND	40.9	10-197		5.63	30	
Benzoic acid	0.0873	0.0860	"	0.859	ND	10.2	10-166		44.2	30	Non-dir.
Benzyl alcohol	0.328	0.0860	"	0.859	ND	38.2	12-124		11.5	30	
Benzyl butyl phthalate	0.377	0.0860	"	0.859	ND	43.9	10-154		6.01	30	
Bis(2-chloroethoxy)methane	0.315	0.0860	"	0.859	ND	36.6	10-132		5.31	30	
Bis(2-chloroethyl)ether	0.325	0.0860	"	0.859	ND	37.8	10-119		7.93	30	
Bis(2-chloroisopropyl)ether	0.212	0.0860	"	0.859	ND	24.7	10-139		11.3	30	
Bis(2-ethylhexyl)phthalate	0.364	0.0860	"	0.859	ND	42.4	10-167		3.52	30	
Caprolactam	0.415	0.172	"	0.859	ND	48.2	10-132		10.1	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH21278 - EPA 3546 SVOA											
Matrix Spike Dup (BH21278-MSD1)	*Source sample: 22H0960-07 (Comp-1, C-1)					Prepared & Analyzed: 08/22/2022					
Carbazole	0.419	0.0860	mg/kg dry	0.859	ND	48.7	10-167		1.32	30	
Chrysene	0.399	0.0860	"	0.859	ND	46.5	10-156		4.94	30	
Dibenzo(a,h)anthracene	0.334	0.0860	"	0.859	ND	38.9	10-137		1.43	30	
Dibenzofuran	0.392	0.0860	"	0.859	ND	45.6	10-147		2.13	30	
Diethyl phthalate	0.384	0.0860	"	0.859	ND	44.7	20-120		2.35	30	
Dimethyl phthalate	0.382	0.0860	"	0.859	ND	44.4	18-131		1.25	30	
Di-n-butyl phthalate	0.376	0.0860	"	0.859	ND	43.8	10-137		4.47	30	
Di-n-octyl phthalate	0.325	0.0860	"	0.859	ND	37.8	10-180		4.76	30	
Fluoranthene	0.453	0.0860	"	0.859	0.0606	45.7	10-160		7.07	30	
Fluorene	0.388	0.0860	"	0.859	ND	45.1	10-157		2.33	30	
Hexachlorobenzene	0.394	0.0860	"	0.859	ND	45.8	10-137		4.10	30	
Hexachlorobutadiene	0.413	0.0860	"	0.859	ND	48.1	10-132		4.87	30	
Hexachlorocyclopentadiene	ND	0.0860	"	0.859	ND		10-106	Low Bias		30	
Hexachloroethane	0.221	0.0860	"	0.859	ND	25.7	10-110		3.67	30	
Indeno(1,2,3-cd)pyrene	0.367	0.0860	"	0.859	ND	42.7	10-144		3.62	30	
Isophorone	0.324	0.0860	"	0.859	ND	37.7	10-132		1.68	30	
Naphthalene	0.376	0.0860	"	0.859	ND	43.8	10-141		1.10	30	
Nitrobenzene	0.349	0.0860	"	0.859	ND	40.6	10-131		6.67	30	
N-Nitrosodimethylamine	0.148	0.0860	"	0.859	ND	17.2	10-126		9.73	30	
N-nitroso-di-n-propylamine	0.263	0.0860	"	0.859	ND	30.6	10-125		18.3	30	
N-Nitrosodiphenylamine	0.483	0.0860	"	0.859	ND	56.2	10-177		4.73	30	
Pentachlorophenol	0.402	0.0860	"	0.859	ND	46.7	10-153		3.53	30	
Phenanthrene	0.404	0.0860	"	0.859	ND	47.0	10-148		2.76	30	
Phenol	0.380	0.0860	"	0.859	ND	44.2	10-126		1.46	30	
Pyrene	0.441	0.0860	"	0.859	ND	51.3	10-165		5.45	30	
Surrogate: SURRE: 2-Fluorophenol	0.746		"	1.72		43.4	20-108				
Surrogate: SURRE: Phenol-d5	0.716		"	1.72		41.6	23-114				
Surrogate: SURRE: Nitrobenzene-d5	0.388		"	0.859		45.1	22-108				
Surrogate: SURRE: 2-Fluorobiphenyl	0.398		"	0.859		46.3	21-113				
Surrogate: SURRE: 2,4,6-Tribromophenol	1.35		"	1.72		78.5	19-110				
Surrogate: SURRE: Terphenyl-d14	0.509		"	0.859		59.3	24-116				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH21275 - EPA 3550C

Blank (BH21275-BLK1)

Prepared & Analyzed: 08/22/2022

4,4'-DDD	ND	1.64	ug/kg wet								
4,4'-DDE	ND	1.64	"								
4,4'-DDT	ND	1.64	"								
Aldrin	ND	1.64	"								
alpha-BHC	ND	1.64	"								
alpha-Chlordane	ND	1.64	"								
beta-BHC	ND	1.64	"								
delta-BHC	ND	1.64	"								
Dieldrin	ND	1.64	"								
Endosulfan I	ND	1.64	"								
Endosulfan II	ND	1.64	"								
Endosulfan sulfate	ND	1.64	"								
Endrin	ND	1.64	"								
Endrin aldehyde	ND	1.64	"								
Endrin ketone	ND	1.64	"								
gamma-BHC (Lindane)	ND	1.64	"								
gamma-Chlordane	ND	1.64	"								
Heptachlor	ND	1.64	"								
Heptachlor epoxide	ND	1.64	"								
Methoxychlor	ND	1.64	"								
Toxaphene	ND	1.64	"								

Surrogate: Decachlorobiphenyl	61.6		"	66.4		92.7	30-150				
Surrogate: Tetrachloro-m-xylene	55.8		"	66.4		83.9	30-150				

LCS (BH21275-BS1)

Prepared & Analyzed: 08/22/2022

4,4'-DDD	19.7	1.64	ug/kg wet	33.2		59.4	40-140				
4,4'-DDE	18.6	1.64	"	33.2		56.1	40-140				
4,4'-DDT	17.3	1.64	"	33.2		52.2	40-140				
Aldrin	18.0	1.64	"	33.2		54.3	40-140				
alpha-BHC	18.7	1.64	"	33.2		56.2	40-140				
alpha-Chlordane	22.9	1.64	"	33.2		68.9	40-140				
beta-BHC	22.9	1.64	"	33.2		68.9	40-140				
delta-BHC	17.6	1.64	"	33.2		52.9	40-140				
Dieldrin	23.2	1.64	"	33.2		69.7	40-140				
Endosulfan I	25.2	1.64	"	33.2		76.0	40-140				
Endosulfan II	23.3	1.64	"	33.2		70.2	40-140				
Endosulfan sulfate	21.3	1.64	"	33.2		64.0	40-140				
Endrin	18.7	1.64	"	33.2		56.2	40-140				
Endrin aldehyde	23.0	1.64	"	33.2		69.3	40-140				
Endrin ketone	21.6	1.64	"	33.2		65.0	40-140				
gamma-BHC (Lindane)	20.3	1.64	"	33.2		61.0	40-140				
gamma-Chlordane	22.6	1.64	"	33.2		67.9	40-140				
Heptachlor	19.8	1.64	"	33.2		59.5	40-140				
Heptachlor epoxide	23.5	1.64	"	33.2		70.6	40-140				
Methoxychlor	17.5	1.64	"	33.2		52.8	40-140				

Surrogate: Decachlorobiphenyl	61.0		"	66.4		91.8	30-150				
Surrogate: Tetrachloro-m-xylene	57.0		"	66.4		85.7	30-150				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH21275 - EPA 3550C											
Blank (BH21275-BLK2)										Prepared & Analyzed: 08/22/2022	
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	0.0595		"	0.0664		89.5	30-120				
Surrogate: Decachlorobiphenyl	0.0744		"	0.0664		112	30-120				
LCS (BH21275-BS2)										Prepared & Analyzed: 08/22/2022	
Aroclor 1016	0.205	0.0166	mg/kg wet	0.332		61.8	40-130				
Aroclor 1260	0.265	0.0166	"	0.332		79.7	40-130				
Surrogate: Tetrachloro-m-xylene	0.0545		"	0.0664		82.0	30-120				
Surrogate: Decachlorobiphenyl	0.0688		"	0.0664		104	30-120				
Matrix Spike (BH21275-MS2)										*Source sample: 22H0836-03 (Matrix Spike) Prepared: 08/22/2022 Analyzed: 08/23/2022	
Aroclor 1016	0.246	0.0175	mg/kg dry	0.350	ND	70.3	40-140				
Aroclor 1260	0.222	0.0175	"	0.350	ND	63.4	40-140				
Surrogate: Tetrachloro-m-xylene	0.0511		"	0.0701		73.0	30-120				
Surrogate: Decachlorobiphenyl	0.0455		"	0.0701		65.0	30-120				
Matrix Spike Dup (BH21275-MSD2)										*Source sample: 22H0836-03 (Matrix Spike Dup) Prepared: 08/22/2022 Analyzed: 08/23/2022	
Aroclor 1016	0.258	0.0175	mg/kg dry	0.350	ND	73.5	40-140		4.51	50	
Aroclor 1260	0.243	0.0175	"	0.350	ND	69.3	40-140		8.77	50	
Surrogate: Tetrachloro-m-xylene	0.0529		"	0.0701		75.5	30-120				
Surrogate: Decachlorobiphenyl	0.0515		"	0.0701		73.5	30-120				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH21055 - EPA 3050B

Blank (BH21055-BLK1)

Prepared: 08/17/2022 Analyzed: 08/18/2022

Aluminum	ND	6.00	mg/kg wet								
Antimony	ND	3.00	"								
Arsenic	ND	1.80	"								
Barium	ND	3.00	"								
Beryllium	ND	0.060	"								
Cadmium	ND	0.360	"								
Calcium	ND	6.00	"								
Chromium	ND	0.600	"								
Cobalt	ND	0.480	"								
Copper	ND	2.40	"								
Iron	ND	30.0	"								
Lead	ND	0.600	"								
Magnesium	ND	6.00	"								
Manganese	ND	0.600	"								
Nickel	ND	1.20	"								
Potassium	23.0	6.00	"								
Selenium	ND	3.00	"								
Silver	ND	0.600	"								
Sodium	ND	60.0	"								
Thallium	ND	3.00	"								
Vanadium	ND	1.20	"								
Zinc	ND	3.00	"								

Duplicate (BH21055-DUP1)

*Source sample: 22H0974-34 (Duplicate)

Prepared: 08/17/2022 Analyzed: 08/19/2022

Aluminum	3260	6.26	mg/kg dry		2220				38.1	35	Non-dir.
Antimony	9.70	3.13	"		6.36				41.7	35	Non-dir.
Arsenic	20.9	1.88	"		24.0				14.0	35	
Barium	430	3.13	"		89.7				131	35	Non-dir.
Beryllium	ND	0.063	"		ND					35	
Cadmium	ND	0.375	"		0.525					35	
Calcium	4650	6.26	"		3680				23.2	35	
Chromium	7.85	0.626	"		7.00				11.4	35	
Cobalt	4.27	0.500	"		3.44				21.4	35	
Copper	101	2.50	"		61.6				48.2	35	Non-dir.
Iron	33300	31.3	"		31700				4.90	35	
Lead	107	0.626	"		81.6				26.6	35	
Magnesium	1420	6.26	"		911				43.6	35	Non-dir.
Manganese	76.4	0.626	"		74.9				2.06	35	
Nickel	22.1	1.25	"		6.74				106	35	Non-dir.
Potassium	444	6.26	"		215				69.4	35	Non-dir.
Selenium	ND	3.13	"		ND					35	
Silver	ND	0.626	"		ND					35	
Sodium	439	62.6	"		154				96.1	35	Non-dir.
Thallium	ND	3.13	"		ND					35	
Vanadium	28.1	1.25	"		23.8				16.4	35	
Zinc	164	3.13	"		65.3				86.2	35	Non-dir.



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BH21055 - EPA 3050B

Matrix Spike (BH21055-MS1)	*Source sample: 22H0974-34 (Matrix Spike)						Prepared: 08/17/2022 Analyzed: 08/19/2022				
Aluminum	2400	6.26	mg/kg dry	209	2220	87.7	75-125				
Antimony	18.6	3.13	"	26.1	6.36	46.8	75-125	Low Bias			
Arsenic	214	1.88	"	209	24.0	90.9	75-125				
Barium	341	3.13	"	209	89.7	121	75-125				
Beryllium	4.71	0.063	"	5.21	ND	90.3	75-125				
Cadmium	5.01	0.375	"	5.21	0.525	86.1	75-125				
Calcium	2840	6.26	"	104	3680	NR	75-125	Low Bias			
Chromium	29.0	0.626	"	20.9	7.00	106	75-125				
Cobalt	59.3	0.500	"	52.1	3.44	107	75-125				
Copper	114	2.50	"	26.1	61.6	202	75-125	High Bias			
Iron	29200	31.3	"	104	31700	NR	75-125	Low Bias			
Lead	219	0.626	"	52.1	81.6	264	75-125	High Bias			
Magnesium	898	6.26	"	104	911	NR	75-125	Low Bias			
Manganese	155	0.626	"	52.1	74.9	155	75-125	High Bias			
Nickel	78.2	1.25	"	52.1	6.74	137	75-125	High Bias			
Potassium	442	6.26	"	104	215	218	75-125	High Bias			
Selenium	134	3.13	"	209	ND	64.2	75-125	Low Bias			
Silver	3.36	0.626	"	5.21	ND	64.5	75-125	Low Bias			
Sodium	463	62.6	"	104	154	296	75-125	High Bias			
Thallium	179	3.13	"	209	ND	85.6	75-125				
Vanadium	74.3	1.25	"	52.1	23.8	96.9	75-125				
Zinc	168	3.13	"	52.1	65.3	197	75-125	High Bias			

Post Spike (BH21055-PS1)	*Source sample: 22H0974-34 (Post Spike)						Prepared: 08/17/2022 Analyzed: 08/19/2022				
Aluminum	25.5		ug/mL	2.00	18.7	341	75-125	High Bias			
Antimony	0.339		"	0.250	0.053	114	75-125				
Arsenic	2.17		"	2.00	0.202	98.3	75-125				
Barium	3.13		"	2.00	0.754	119	75-125				
Beryllium	0.045		"	0.0500	-0.005	90.4	75-125				
Cadmium	0.046		"	0.0500	0.004	84.0	75-125				
Calcium	38.4		"	1.00	30.9	745	75-125	High Bias			
Chromium	0.290		"	0.200	0.059	115	75-125				
Cobalt	0.587		"	0.500	0.029	112	75-125				
Copper	0.932		"	0.250	0.518	165	75-125	High Bias			
Iron	331		"	1.00	267	NR	75-125	High Bias			
Lead	1.39		"	0.500	0.686	140	75-125	High Bias			
Magnesium	10.5		"	1.00	7.67	285	75-125	High Bias			
Manganese	1.34		"	0.500	0.630	142	75-125	High Bias			
Nickel	0.774		"	0.500	0.057	143	75-125	High Bias			
Potassium	4.41		"	1.00	1.81	260	75-125	High Bias			
Selenium	1.27		"	2.00	-0.342	63.6	75-125	Low Bias			
Silver	0.027		"	0.0500	-0.006	54.7	75-125	Low Bias			
Sodium	3.52		"	1.00	1.30	223	75-125	High Bias			
Thallium	1.89		"	2.00	-0.009	94.4	75-125				
Vanadium	0.764		"	0.500	0.200	113	75-125				
Zinc	1.21		"	0.500	0.550	132	75-125	High Bias			



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

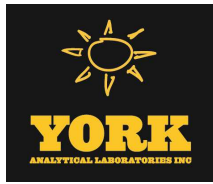
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH21055 - EPA 3050B

Reference (BH21055-SRM1)

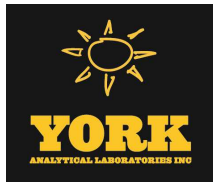
Prepared: 08/17/2022 Analyzed: 08/18/2022

Aluminum	10500	6.00	mg/kg wet	10100		104	39.5-118.8				
Antimony	82.3	3.00	"	244		33.7	10-123				
Arsenic	113	1.80	"	109		103	63.7-118.3				
Barium	424	3.00	"	364		117	70.3-117				
Beryllium	58.0	0.060	"	57.0		102	69.3-115.4				
Cadmium	51.0	0.360	"	48.7		105	67.8-112.9				
Calcium	5470	6.00	"	5190		105	66.3-116.6				
Chromium	190	0.600	"	173		110	65.3-120.8				
Cobalt	169	0.480	"	148		114	70.3-117.6				
Copper	215	2.40	"	179		120	70.9-117.9	High Bias			
Iron	16000	30.0	"	15000		106	36.8-162.7				
Lead	117	0.600	"	101		116	69.1-126.7				
Magnesium	2780	6.00	"	2570		108	56.4-124.9				
Manganese	424	0.600	"	370		114	72.2-119.2				
Nickel	52.0	1.20	"	52.2		99.7	63.4-117.8				
Potassium	2400	6.00	"	2420		99.0	49.6-118.6				
Selenium	67.2	3.00	"	104		64.6	58.5-122.1				
Silver	30.4	0.600	"	29.9		102	63.5-123.7				
Sodium	938	60.0	"	161		583	30.1-139.1	High Bias			
Thallium	82.9	3.00	"	101		82.0	59.8-120.8				
Vanadium	210	1.20	"	194		108	73.2-117				
Zinc	439	3.00	"	431		102	74.9-121.1				



Mercury by EPA 7000/200 Series Methods - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag		
Batch BH21518 - EPA 7473 soil													
Blank (BH21518-BLK1)													
										Prepared & Analyzed: 08/25/2022			
Mercury	ND	0.0300	mg/kg wet										
Duplicate (BH21518-DUP1)													
										*Source sample: 22H0405-04 (Duplicate)		Prepared & Analyzed: 08/25/2022	
Mercury	0.103	0.0362	mg/kg dry		0.0535				63.4	35	Non-dir.		
Matrix Spike (BH21518-MS1)													
										*Source sample: 22H0405-04 (Matrix Spike)		Prepared & Analyzed: 08/25/2022	
Mercury	0.453		mg/kg	0.500	0.0444	81.8	75-125						
Reference (BH21518-SRM1)													
										Prepared & Analyzed: 08/25/2022			
Mercury	23.638		mg/kg	27.2		86.9	59.9-140.1						



Miscellaneous Physical Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH21246 - % Solids Prep											
Duplicate (BH21246-DUP1)	*Source sample: 22H1035-05 (Duplicate)					Prepared & Analyzed: 08/19/2022					
% Solids	91.5	0.100	%		91.7				0.226	20	
Batch BH21321 - % Solids Prep											
Duplicate (BH21321-DUP1)	*Source sample: 22H0961-01 (Duplicate)					Prepared & Analyzed: 08/22/2022					
% Solids	90.2	0.100	%		90.4				0.185	20	
Duplicate (BH21321-DUP2)	*Source sample: 22H0961-06 (Duplicate)					Prepared & Analyzed: 08/22/2022					
% Solids	87.1	0.100	%		87.3				0.226	20	



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22H0960-01	S-1	8 oz. WM Clear Glass Cool to 4° C
22H0960-02	S-2	8 oz. WM Clear Glass Cool to 4° C
22H0960-03	S-3	8 oz. WM Clear Glass Cool to 4° C
22H0960-04	S-4	8 oz. WM Clear Glass Cool to 4° C
22H0960-05	S-5	8 oz. WM Clear Glass Cool to 4° C
22H0960-06	S-6	8 oz. WM Clear Glass Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

- VOA-CONT Non-Compliant - the container(s) provided by the client for soil volatiles do not meet the requirements of EPA SW846-5035A. Results reported below 200 ug/kg may be biased low due to samples not being collected according to EPA SW846 5035A requirements.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
- QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
- M-SPKM The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
- M-DUPS The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
- M-BLK The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
- J Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
- B Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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



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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Corrective Action: VOCs submitted in bulk containers.

(files office pl)



York Analytical Laboratories, Inc.
 120 Research Drive
 Strafford, CT 06645
 clientservices@yorklab.com
 www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No.
 22HO9100

Page 1 of 1

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: SML PULL	Company: SML PULL	Company: SML PULL	Company: SML PULL	Company: SML PULL	Company: SML PULL	26 CHESTNUT RIDGE RD	RUSH - Next Day	RUSH - Next Day	
Address: 120 BEDFORD RD	Address: 120 BEDFORD RD	Address: 120 BEDFORD RD	Address: 120 BEDFORD RD	Address: 120 BEDFORD RD	Address: 120 BEDFORD RD	ARMONK, NY 10504	RUSH - Two Day	RUSH - Two Day	
Address: ARMONK, NY 10504	Address: ARMONK, NY 10504	Address: ARMONK, NY 10504	Address: ARMONK, NY 10504	Address: ARMONK, NY 10504	Address: ARMONK, NY 10504	YOUR Project Name	RUSH - Three Day	RUSH - Three Day	
Phone: 914-107-4642	Phone: 914-407-4642	Phone: 914-407-4642	Phone: 914-407-4642	Phone: 914-407-4642	Phone: 914-407-4642	SAME AS ABOVE	RUSH - Four Day	RUSH - Four Day	
Contact: RICK BOHLANDER	Contact: RICK BOHLANDER	Contact: RICK BOHLANDER	Contact: RICK BOHLANDER	Contact: RICK BOHLANDER	Contact: RICK BOHLANDER		Standard (5-7 Day)	Standard (5-7 Day)	X
E-mail: rickbohlander@jmc.pll.com	E-mail: rickbohlander@jmc.pll.com	E-mail: rickbohlander@jmc.pll.com	E-mail: rickbohlander@jmc.pll.com	E-mail: rickbohlander@jmc.pll.com	E-mail: rickbohlander@jmc.pll.com				

Samples Collected by: (print your name above and sign below)		Report / EDD Type (circle selections)		YORK Reg. Comp.	
RICK BOHLANDER		Summary Report		Compared to the following Regulation(s): (please fill in)	
		QA Report			
		NY ASP A Package			
		NY ASP B Package			
		Other:			

Sample Identification	Matrix	Date/Time Sampled	Analysis Requested	Container Description
S-1	S - soil / solid	8/8/22 9AM	EPA METHODS 8260 FOU LIST	802 GLASS
S-2	GW - groundwater	8/8/22 9AM		
S-3	DW - drinking water	8/8/22 9AM		
S-4	WW - wastewater	8/8/22 9AM		
S-5	O - Oil	8/8/22 9AM		
S-6	Other	8/8/22 9AM		
COMP-1, C-1		8/8/22 1AM		
COMP-2, C-2		8/8/22 9AM		
COMP-3, C-3		8/8/22 9AM		

Comments:		Preservation: (check all that apply)		Special Instruction	
26 CHESTNUT RIDGE RD, ARMONK, NY 10504		HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___		Field Filtered ___	
		Ascorbic Acid ___ Other: ___		Lab to Filter ___	
Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time
8/10/22 3:45 PM	8/10/22 3:45 PM	8/16/22 13:40	8/16/22 13:40	8/16/22 1500	8/16/22 1500
SML, PULL		@jmc @ york			
Samples Relinquished by / Company		Samples Relinquished by / Company		Samples Relinquished by / Company	
Samples Received by / Company		Samples Received by / Company		Samples Received by / Company	
8/10/22 3:45 PM		8/10/22 3:45 PM		8/10/22 1500	
SML, PULL		@jmc @ york			
Samples Relinquished by / Company		Samples Relinquished by / Company		Samples Received at Lab	
				Temp. Received at Lab	
				2.8 Degrees C	

Sample ID 2240960-01 Sampling Date Client Matrix	NYDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375 Restricted Residential	S-1 2240960-01 8/8/2022 Soil		S-2 2240960-02 8/8/2022 Soil		S-3 2240960-03 8/8/2022 Soil		S-4 2240960-04 8/8/2022 Soil		S-5 2240960-05 8/8/2022 Soil		S-6 2240960-06 8/8/2022 Soil		Comp. 1, C-1 2240960-07 8/8/2022 Soil		Comp. 2, C-2 2240960-08 8/8/2022 Soil		Comp. 3, C-3 2240960-09 8/8/2022 Soil			
			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
			Compound																			
Benzene/Anthracene	0.33	0.33	NT		NT		NT		NT		NT		NT		0.0427	U	0.0436	U	0.0443	U		
Dibenzofuran	7	50	NT		NT		NT		NT		NT		NT		0.0427	U	0.0436	U	0.0443	U		
Diethyl phthalate	-	-	NT		NT		NT		NT		NT		NT		0.0427	U	0.0436	U	0.0443	U		
Dimethyl phthalate	-	-	NT		NT		NT		NT		NT		NT		0.0427	U	0.0436	U	0.0443	U		
D-n-butyl phthalate	-	-	NT		NT		NT		NT		NT		NT		0.0427	U	0.0436	U	0.0443	U		
Fluoranthene	100	100	NT		NT		NT		NT		NT		NT		0.0606	JD	0.118	D	0.135	D		
Fluorene	30	100	NT		NT		NT		NT		NT		NT		0.0427	U	0.0436	U	0.0443	U		
Hexachlorobenzene	0.33	1.2	NT		NT		NT		NT		NT		NT		0.0427	U	0.0436	U	0.0443	U		
Hexachlorobutadiene	-	-	NT		NT		NT		NT		NT		NT		0.0427	U	0.0436	U	0.0443	U		
Hexachlorocyclopentadiene	-	-	NT		NT		NT		NT		NT		NT		0.0427	U	0.0436	U	0.0443	U		
Hexachloroethane	-	-	NT		NT		NT		NT		NT		NT		0.0427	U	0.0436	U	0.0443	U		
Indeno(1,2,3-cd)pyrene	0.5	0.5	NT		NT		NT		NT		NT		NT		0.0427	U	0.0570	JD	0.0749	JD		
Isoophrene	-	-	NT		NT		NT		NT		NT		NT		0.0427	U	0.0436	U	0.0443	U		
Naphthalene	12	100	NT		NT		NT		NT		NT		NT		0.0427	U	0.0436	U	0.0443	U		
Nitrobenzene	-	-	NT		NT		NT		NT		NT		NT		0.0427	U	0.0436	U	0.0443	U		
N-Nitrosodimethylamine	-	-	NT		NT		NT		NT		NT		NT		0.0427	U	0.0436	U	0.0443	U		
N-Nitrosodipropylamine	-	-	NT		NT		NT		NT		NT		NT		0.0427	U	0.0436	U	0.0443	U		
N-Nitrosophenylamine	-	-	NT		NT		NT		NT		NT		NT		0.0427	U	0.0436	U	0.0443	U		
Pentachlorophenol	0.8	6.7	NT		NT		NT		NT		NT		NT		0.0427	U	0.0436	U	0.0443	U		
Phenanthrene	100	100	NT		NT		NT		NT		NT		NT		0.0427	U	0.0897	D	0.0561	JD		
Phenol	0.33	100	NT		NT		NT		NT		NT		NT		0.0427	U	0.0436	U	0.0443	U		
Pyrene	100	100	NT		NT		NT		NT		NT		NT		0.0427	U	0.102	U	0.108	D		
Pesticides, D081 Target List (mg/kg)																						
E-4-DDD	0.0033	13	NT		NT		NT		NT		NT		NT		0.00170	U	0.00173	U	0.00174	U		
E-4-DDT	0.0033	8.9	NT		NT		NT		NT		NT		NT		0.00173	U	0.00173	U	0.00174	U		
E-4-DDE	0.0033	7.9	NT		NT		NT		NT		NT		NT		0.00173	U	0.00173	U	0.00174	U		
Aldrin	0.005	0.097	NT		NT		NT		NT		NT		NT		0.00173	U	0.00173	U	0.00174	U		
Alpha-BHC	0.02	0.48	NT		NT		NT		NT		NT		NT		0.00170	U	0.00173	U	0.00174	U		
Beta-Chlordane	0.04	4.2	NT		NT		NT		NT		NT		NT		0.00173	D	0.00466	D	0.00546	U		
Beta-BHC	0.036	0.36	NT		NT		NT		NT		NT		NT		0.00173	U	0.00173	U	0.00174	U		
Gamma-BHC	0.04	100	NT		NT		NT		NT		NT		NT		0.00170	U	0.00173	U	0.00174	U		
Endrin	0.005	0.2	NT		NT		NT		NT		NT		NT		0.00170	U	0.00173	U	0.00174	U		
Endosulfan I	2.4	24	NT		NT		NT		NT		NT		NT		0.00170	U	0.00173	U	0.00174	U		
Endosulfan II	2.4	24	NT		NT		NT		NT		NT		NT		0.00170	U	0.00173	U	0.00174	U		
Endosulfan sulfate	2.4	24	NT		NT		NT		NT		NT		NT		0.00170	U	0.00173	U	0.00174	U		
Endrin	0.014	11	NT		NT		NT		NT		NT		NT		0.00170	U	0.00173	U	0.00174	U		
Endrin alcoholide	-	-	NT		NT		NT		NT		NT		NT		0.00170	U	0.00173	U	0.00174	U		
Endrin ketone	-	-	NT		NT		NT		NT		NT		NT		0.00170	U	0.00173	U	0.00174	U		
Gamma-BHC (Lindane)	0.1	1.3	NT		NT		NT		NT		NT		NT		0.00170	U	0.00173	U	0.00174	U		
Gamma-Chlordane	-	-	NT		NT		NT		NT		NT		NT		0.00170	U	0.00173	U	0.00174	U		
Heptachlor	0.042	2.1	NT		NT		NT		NT		NT		NT		0.00170	U	0.00173	U	0.00174	U		
Heptachlor epoxide	-	-	NT		NT		NT		NT		NT		NT		0.00170	U	0.00173	U	0.00174	U		
Heptachlorur	-	-	NT		NT		NT		NT		NT		NT		0.00170	U	0.00173	U	0.00174	U		
Toxaphene	-	-	NT		NT		NT		NT		NT		NT		0.173	U	0.174	U	0.174	U		
Metals, Target Analyte (mg/kg)																						
Aluminum	-	-	NT		NT		NT		NT		NT		NT		20,700		23,200		18,900			
Antimony	-	-	NT		NT		NT		NT		NT		NT		2,540		10,600		7,800			
Arsenic	13	16	NT		NT		NT		NT		NT		NT		1,350	U	1,590	U	1,600	U		
Barium	350	400	NT		NT		NT		NT		NT		NT		184		214		161			
Beryllium	7.2	72	NT		NT		NT		NT		NT		NT		0.0520	U	0.0530	U	0.0530	U		
Cadmium	2.5	4.3	NT		NT		NT		NT		NT		NT		0.679		0.403		0.365			
Calcium	-	-	NT		NT		NT		NT		NT		NT		5,300		7,240		12,300			
Chromium	-	-	NT		NT		NT		NT		NT		NT		105		117		14,200			
Cobalt	-	-	NT		NT		NT		NT		NT		NT		18,800		18,300		16,200			
Copper	50	120	NT		NT		NT		NT		NT		NT		89		43,900		49			
Iron	-	-	NT		NT		NT		NT		NT		NT		25,400		28,300		24,300			
Lead	63	400	NT		NT		NT		NT		NT		NT		32,400		40,100		38,500			
Magnesium	-	-	NT		NT		NT		NT		NT		NT		14,000		14,600		12,800			
Manganese	1600	2000	NT		NT		NT		NT		NT		NT		251		796		684			
Nickel	30	310	NT		NT		NT		NT		NT		NT		55,900		67,900		36,500			
Potassium	90	NT	NT		NT		NT		NT		NT		NT		2,940	B	4,330	B	3,240	B		
Selenium	180	180	NT		NT		NT		NT		NT		NT		2,580	U	2,640	U	2,670	U		
Silver	2	180	NT		NT		NT		NT		NT		NT		0.516	U	0.528	U	0.546	U		
Sodium	-	-	NT		NT		NT		NT		NT		NT		51,600	U	52,800	U	53,400	U		
Thallium	-	-	NT		NT		NT		NT		NT		NT		2,580	U	2,640	U	2,670	U		
Vanadium	-	-	NT		NT		NT		NT		NT		NT		90,500		99,100		61,700			
Zinc	109	10000	NT		NT		NT		NT		NT		NT		89,700		108		85,400			
Mercury by 7473 (mg/kg)																						
Mercury	0.18	0.81	NT		NT		NT		NT		NT		NT		0.0309	U	0.0620		0.132			
Total Solids (%)																						
Total Solids (%)	-	-	97.900		96.200		97.700		94.800		92.600		95.100		97		94.600		93.700			
Polychlorinated Biphenyls (PCB) (mg/kg)																						
Aroclor 1016	-	-	NT		NT		NT		NT		NT		NT		0.0171	U	0.0175	U	0.0176	U		
Aroclor 1221	-	-	NT		NT		NT		NT		NT		NT		0.0171	U	0.0175	U	0.0176	U		
Aroclor 1232	-	-	NT		NT		NT		NT		NT		NT		0.0171	U	0.0175	U	0.0176	U		
Aroclor 1242	-	-	NT		NT		NT		NT		NT		NT		0.0171	U	0.0175	U	0.0176	U		
Aroclor 1248	-	-	NT		NT</																	