
PERIODIC REVIEW REPORT

(Reporting Period 5/23/2019 to 7/18/2020)

for

GREATER WATERSIDE SITE

700-708 FIRST AVENUE

Manhattan, New York

Block 970, Lots 1 and 2

NYSDEC BCP No. C231013

Prepared For:

700 First Realty Company LLC and 708 First Realty Company LLC

9 West 57th Street, 45th Floor

New York, New York 10019

Prepared By:

**Langan Engineering, Environmental, Surveying,
Landscape Architecture and Geology, D.P.C.**

21 Penn Plaza

360 West 31st Street, 8th Floor

New York, New York 10001

LANGAN

July 21, 2020

Langan Project No. 170446801

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1.0 INTRODUCTION

This Periodic Review Report (PRR) documents compliance with the August 17, 2011 Environmental Easements (EE) and September 27, 2011 Site Management Plan (SMP) for 700 First Avenue and 708 First Avenue, New York, NY (collectively referred to as the site). A periodic review of the institutional and engineering controls (IC/EC) is a requirement of the EEs and SMP, and the New York State Brownfield Cleanup Program (BCP) administered by the New York State Department of Environmental Conservation (NYSDEC).

Remediation for unrestricted use to the Development Depth¹ was completed in March 2004 and January 2008 for 700 First Avenue and 708 First Avenue, respectively. The September 2011 Final Engineering Report (FER) documents site remediation and was approved by the NYSDEC in November 2011. Although the site was approved for unrestricted use to the Development Depth, residual contamination below Development Depth requires implementing and periodic monitoring of IC/ECs.

Langan completed an annual site review and inspection for the reporting period, May 23, 2019 to June 4, 2020. The annual site inspection was completed on May 13, 2020. A supplemental site inspection was completed on July 17, 2020. Photographs from the annual site inspection are presented in Appendix A.

1.1 Site Description

The site consists of two contiguous properties, 700 First Avenue and 708 First Avenue, and is located in the Murray Hill neighborhood of Manhattan. The approximately 6.3-acre site is identified as Block 970, Lot 1 (700 First Avenue) and Lot 2 (708 First Avenue) on the Manhattan Borough Tax Map. The site is bound by East 41st Street to the north, the Franklin D. Roosevelt Drive (FDR) and Marginal Street to the east, East 38th Street to the south, and First Avenue to the west. High-rise, mixed-use residential and commercial buildings are located to the north, west, and south of the site. The site is a fenced vacant lot intermittently used for parking and staging construction trailers and equipment. This use is compliant with the EEs in effect for the site. A site location map is included as Figure 1 and a site plan is included as Figure 2.

During the May 2020 site inspection, evidence of landscaping improvements was observed. Two rectangular areas (each about 11,000 square feet) in the central-western and southwestern parts of the site were filled and graded with ¾-inch virgin gravel. In addition, the southeastern and central-eastern parts of the site were filled and graded with about 6 to 12 inches of topsoil. Several stockpiles of imported topsoil were also observed across the southern part of the site. A shallow basin (about 25 square feet in area) with ponded rainwater was found in a low/depressed area in central-western part of the site. No sheen or odors were observed in or around the basin. The rainwater collection basin was backfilled with imported topsoil on July 17, 2020.

The imported ¾-inch virgin gravel and topsoil materials were approved by the NYSDEC. Import request packages for the virgin gravel and topsoil (including sampling results) from two sources

¹ The Development Depth is defined as the depth to the top of competent bedrock or the mean high groundwater table (elevation - 0.4 feet Manhattan Highway Datum, or 2.05 feet NAVD88), whichever is higher.

(Truxal Farms, a nursery in East Hampton, NY and T.S Haulers, a NYSDEC-registered construction and demolition debris handling and recovery facility (Part 360 #52W77R) in Calverton, NY) were approved by the NYSDEC on June 6, June 20 and November 26, 2019, respectively. Although the source was approved, no topsoil was imported from Truxal Farms during the reporting period.

1.2 Site History and Remediation Summary

The site was formerly occupied by a manufactured gas plant (MGP), a steam/electricity generating station, and an office building used by a Con Edison predecessor company. MGP facility structures, including aboveground gas holders, underground naphtha tanks, and other related structures were demolished between 1910 and the early 1920s. The steam/electricity generating station and office building were constructed following demolition of the MGP facility structures.

The site was remediated in accordance with a June 27, 2001 Voluntary Cleanup Order (VCO) Index #D2-0001-01-03, Site Nos. V00432-2 (Lot 1) and V00431-2 (Lot 2). Remediation was required to address environmental conditions, including the presence of volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs) and lead in soil, and VOCs in groundwater. Remediation was completed between 2002 and 2008 and included excavation and source removal of impacted soil and weathered bedrock down to Development Depth. Remediation also included the following components:

1. Asbestos abatement, decommissioning, and demolition of all buildings and subsurface structures (Lots 1 and 2)
2. Closure of NYSDEC spills (Lots 1 and 2)
3. Placement of 2 feet of clean soil meeting Technical and Administrative Guidance Memorandum (TAGM) 4046 soil cleanup objectives (SCOs), excluding areas of exposed bedrock (Lots 1 and 2)
4. Closure of intake and discharge tunnels (Lot 1 only)
5. Removal of nine underground storage tanks (USTs) and excavation of VOC-contaminated soil to depths of 25 to 39 feet below grade surface in the UST area (Lot 2 only)
6. Application of an oxygen release compound to treat residual VOCs in groundwater and groundwater monitoring and evaluations (Lot 2 only)
7. Completion of a post-remediation soil-gas survey (Lots 1 and 2)

Remediation of Lot 2 was completed in 2004 and documented in the April 2006 *Final Report for 708 Office Building Remediation Work Plan* prepared by TRC (TRC). Remediation of Lot 1 was completed in 2008 and documented in the February 2008 *Final Report for Waterside Generating Station Remediation Work Plan* prepared by TRC. The 2001 VCO was superseded by Brownfield Cleanup Agreement (BCA) Index # A2-0515-0405, Site No. C231013, which was executed by the NYSDEC on June 16, 2010. The BCP FER and SMP were issued in September 2011. The documents certified that remediation was complete and established protocols for the management of soil and groundwater below development depth. EEs were drafted in August

2011 (later recorded in September 2011) and Certificates of Completion (COCs) were issued by the NYSDEC and recorded in January 2012.

The SMP was amended to change the soil import and reuse criteria for the site. An SMP addendum letter was submitted to the NYSDEC on February 26, 2020 and later approved by the agency on March 4, 2020. The SMP was amended to reflect 1) that the soil import and reuse criteria is the lower of 6 NYCRR Part 375 Restricted Use Restricted-Residential and Protection of Groundwater SCOs (above or below Development Depth) and that the Department may issue a site-specific exemption for this requirement based on various site-specific conditions as set forth in Part 375-6.7(d)(3).

2.0 EVALUATION OF THE REMEDY

The remedy prepared the site for unrestricted use to the Development Depth and restricted-residential and commercial uses below Development Depth provided ECs and ICs are employed and maintained. The current ICs include property use restrictions, prohibition of groundwater use, and an SMP requiring management of activities disturbing residual contamination below Development Depth and annual inspection and certification of ICs/ECs. The current EC for the site consists of at least 2 feet of clean soil cover across the site, excluding areas of exposed bedrock. Previous PRRs document that no intrusive work disturbing soil below Development Depth has occurred at the site since the COCs were issued. On the basis of our review of current conditions, property research, and the annual site inspection, the remedy remains effective.

2.1 Materials Import

A map showing the placement areas of materials imported during the reporting period is provided as Figure 3. Imported materials documentation, including the import request packages reviewed by the NYSDEC, hauler tickets, letters, and regulatory approvals, is included in Appendix B. The following table summarizes imported material types, volumes, and sources.

Imported Materials Summary Table					
Import Facility and Address	Material Type	Quantity Imported	Date of Import	Permit/Registration and ID Number	List of Supporting Documentation in Appendix B
Tilcon New Jersey Mt. Hope Quarry 625 Mt. Hope Road Wharton, NJ 07885	¾-inch stone	About 220 yards (11 triaxle loads)	June 2019	NYSDEC Part 360 Registration No. 43W12R	NYSDEC Import Request Package Mine Registration Certificate Sieve analysis Hauler tickets
TS Haulers P.O Box 263 Route 25 Calverton, NY 11933	Manufactured organic topsoil	About 1,140 cubic yards (57 triaxle loads)	December 2019	NYSDEC Part 360 Registration No. 52W77R	NYSDEC Import Request Package Part 360 Registration Letter from Transporter (Atlas Roll Off Corp.) Hauler Tickets
TS Haulers P.O Box 263 Route 25 Calverton, NY 11933	Manufactured organic topsoil	About 1,140 cubic yards (57 triaxle loads)	March 2020	NYSDEC Part 360 Registration No. 52W77R	NYSDEC Import Request Package Part 360 Registration Letter from Transporter (Atlas Roll Off Corp.)

3.0 IC/EC COMPLIANCE REPORT

3.1 Institutional Controls

The ICs for the site are documented in two EEs (City Register File Nos. 2011000329546 and 2011000329547) that contain restrictions and/or prohibitions with respect to disturbances of soil below the Development Depth and use of groundwater. The objective of the easements is to ensure the ICs prescribed in the SMP are maintained.

On May 13, 2020, Langan submitted a Freedom of Information Law (FOIL) request to the New York State Department of Health (NYSDOH) to verify that no well or water withdrawal permits were issued for the site during the reporting period. The NYSDOH issued their final response on June 11, 2020 and indicated no records related to the request were found. Copies of the FOIL request and NYSDOH response letter are included in Appendix C.

Using the New York City Department of Finance (DOF) online Automated City Register Information System (ACRIS), Langan determined no real and/or personal property transfers or modifications to the deeds were made during the reporting period.

Using the New York City Department of Buildings (DOB) online Building Information System (BIS), Langan determined no work permits were filed for the site during the reporting period.

The IC remains in place and is effective and no changes are recommended.

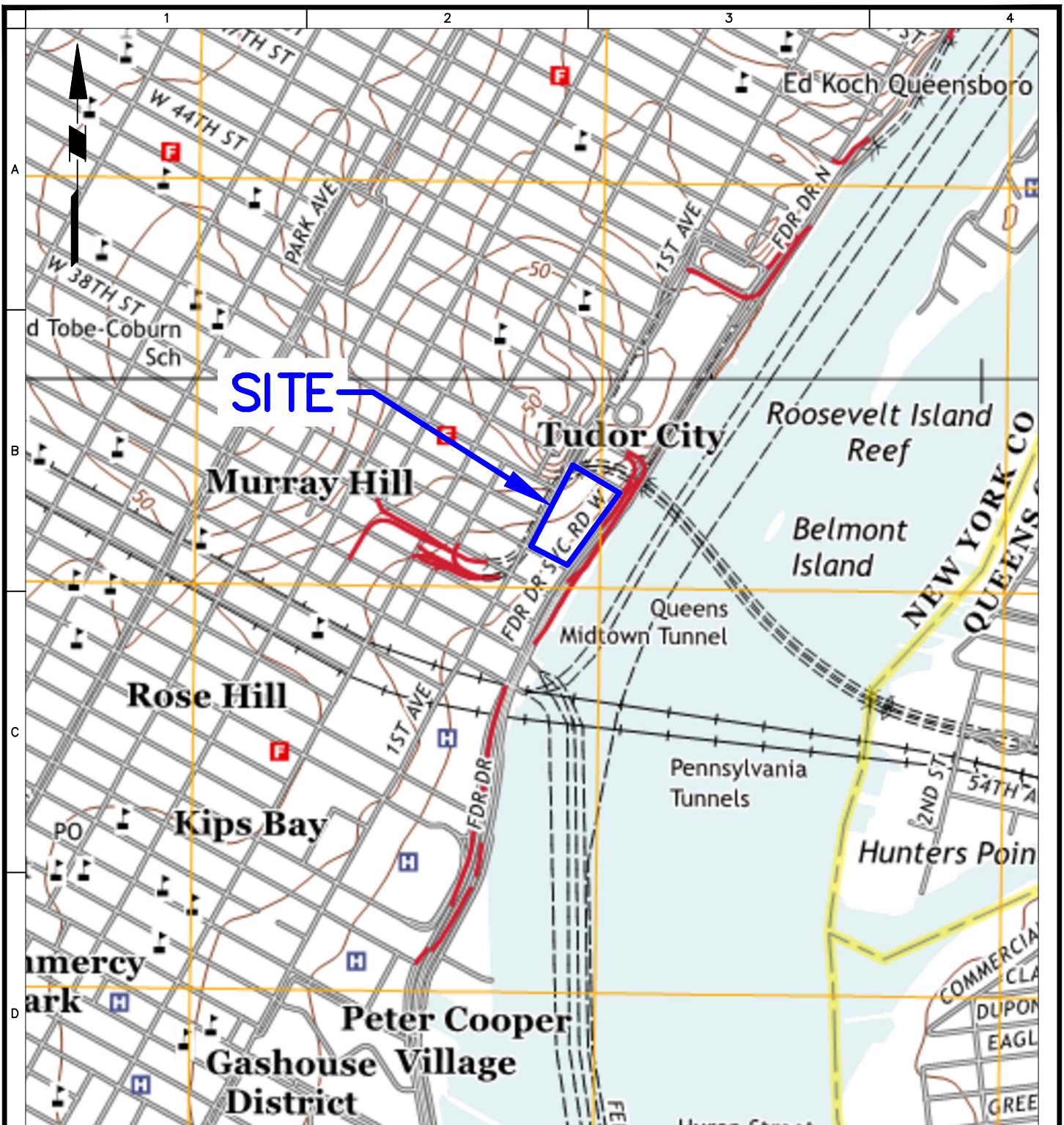
3.2 Engineering Controls

The EC for the site consists of at least 2 feet of clean cover soil across the site, excluding areas of exposed bedrock. The site is intermittently used for parking and staging construction trailers, equipment and materials. One disturbance of the cover soil layer was observed during the site inspection on May 13, 2020. A temporary, shallow basin (about 25 square feet in area) was excavated into the cover soil layer in a low/depressed area in the central-western part of the site to control the ponding of rainwater. A gas-powered water pump (not operating at time of the site inspection) was found next the basin with two connected hoses and is used intermittently to pump rainwater from the basin and discharge it onto a nearby bedrock outcrop at an elevation higher than the basin. No sheen or odors were observed in or around the basin. The rainwater collection basin was backfilled with imported topsoil on July 17, 2020 thereby repairing the temporary breach of the cover soil layer. The EC remains in place and is effective and no changes are recommended. The approximate location of the former rainwater collection basin is shown on Figure 2.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The IC/ECs remain in place and are effective. The completed IC/EC certification form is included as Appendix D.

FIGURES



GENERAL NOTES:

1. BASE MAPS TAKEN FROM UNITED STATES GEOLOGICAL SURVEY (USGS) BROOKLYN AND CENTRAL PARK QUADRANGLE MAPS (2013).

LEGEND:

APPROXIMATE SITE BOUNDARY

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Langan Engineering, Environmental, Surveying and
Landscape Architecture and Geology D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Collectively known as Langan

Project

THE GREATER WATERSIDE SITE

BLOCK No. 970, LOT Nos. 1 and 2

NEW YORK

NEW YORK

Figure Title

SITE LOCATION MAP

Project No.

170446801

Date

5/13/2020

Scale

NTS

Drawn By

Checked By

JFY

GCW

Submission Date

Figure No.

1

Sheet 1 of 2



LEGEND:

 APPROXIMATE SITE BOUNDARY

GENERAL NOTES

1. BASE MAP SOURCE: NEARMAP.COM AERIAL PHOTO DATED MARCH 5, 2020



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**THE GREATER
WATERSIDE SITE**

BLOCK No. 970, LOT Nos. 1 and 2

NEW YORK

NEW YORK

Figure Title

SITE PLAN

Project No.
170446801

Date
7/17/2020

Drawn By
GCW

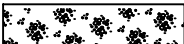
Checked By
JFY

Figure No.

2

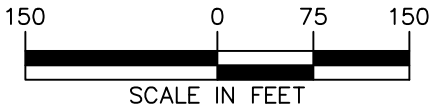


LEGEND:

-  APPROXIMATE SITE BOUNDARY
-  APPROXIMATE PLACEMENT LOCATION OF TOPSOIL (GRADED) ON DAY OF SITE INSPECTION (5/13/2020)
-  APPROXIMATE PLACEMENT LOCATION OF 3/4-INCH VIRGIN GRAVEL ON DAY OF SITE INSPECTION (5/13/2020)
-  APPROXIMATE LOCATION OF TOPSOIL STOCKPILES ON DAY OF SITE INSPECTION (5/13/2020)

GENERAL NOTES

1. BASE MAP SOURCE: NEARMAP.COM AERIAL PHOTO DATED MARCH 5, 2020



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Project
**THE GREATER
WATERSIDE SITE**
BLOCK No. 970, LOT Nos. 1 and 2
NEW YORK

Figure Title
**IMPORTED
MATERIALS
MAP**

Project No.
170446801
Date
5/13/2020
Drawn By
JFY
Checked By
GCW

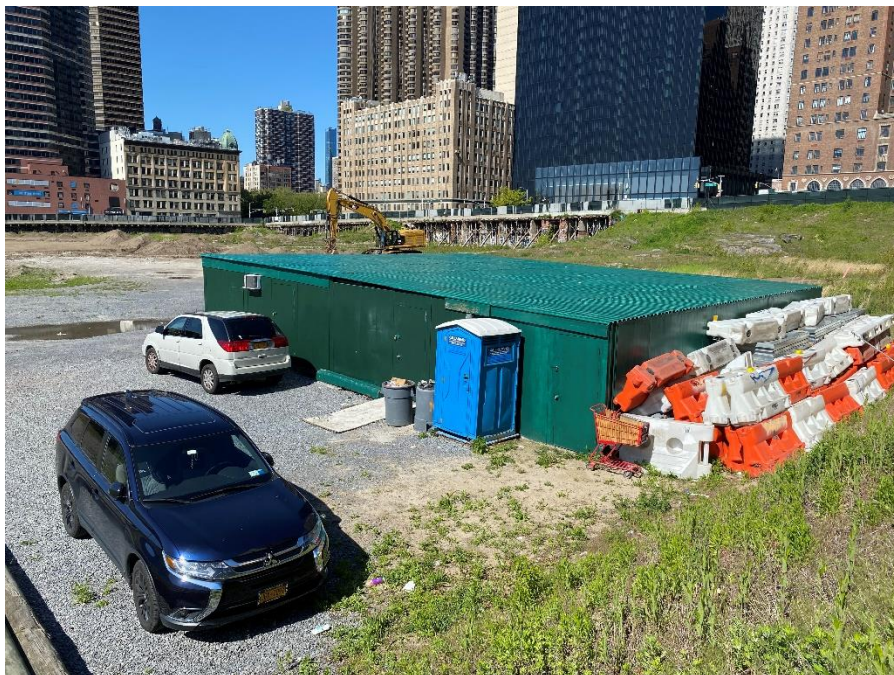
Figure No.
3

APPENDIX A

PHOTOGRAPH LOG

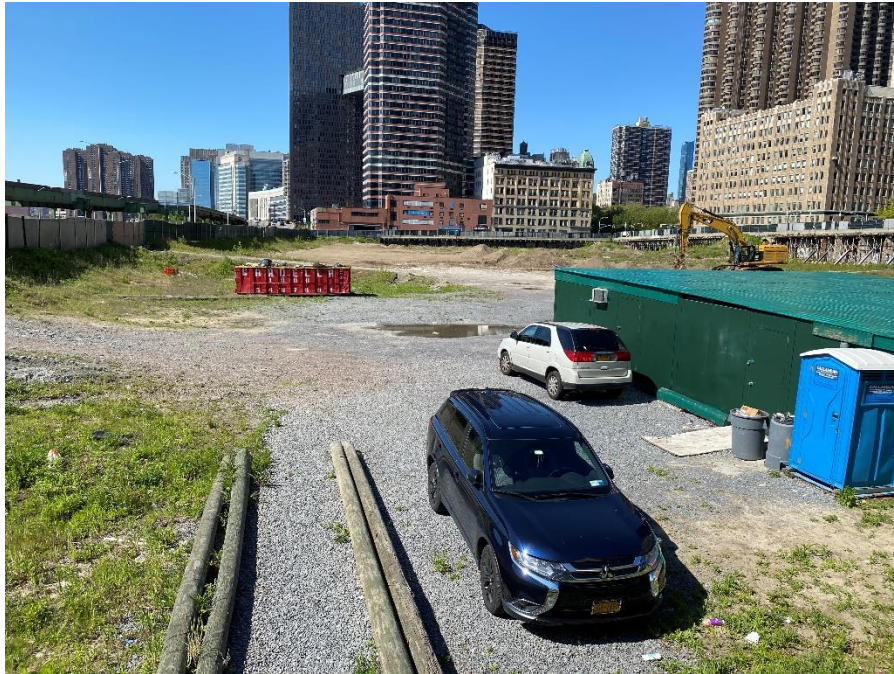


Photograph 1 – View of the site entrance along the FDR Drive; facing southeast (photograph dated 5/13/2020).



Photograph 2 – View of parking lot and temporary construction trailers for the 685 First Avenue development; facing southwest (photograph dated 5/13/2020).

Appendix A – Field Photograph Log
Periodic Review Report
The Greater Waterside Site
700-708 First Avenue
Manhattan, New York
Block 970, Lots 1 and 2
Langan Project No. 170446801



Photograph 3 – View of the site; facing south (photograph dated 5/13/2020).



Photograph 4 – View of roll-off container; facing south (photograph dated 5/13/2020).



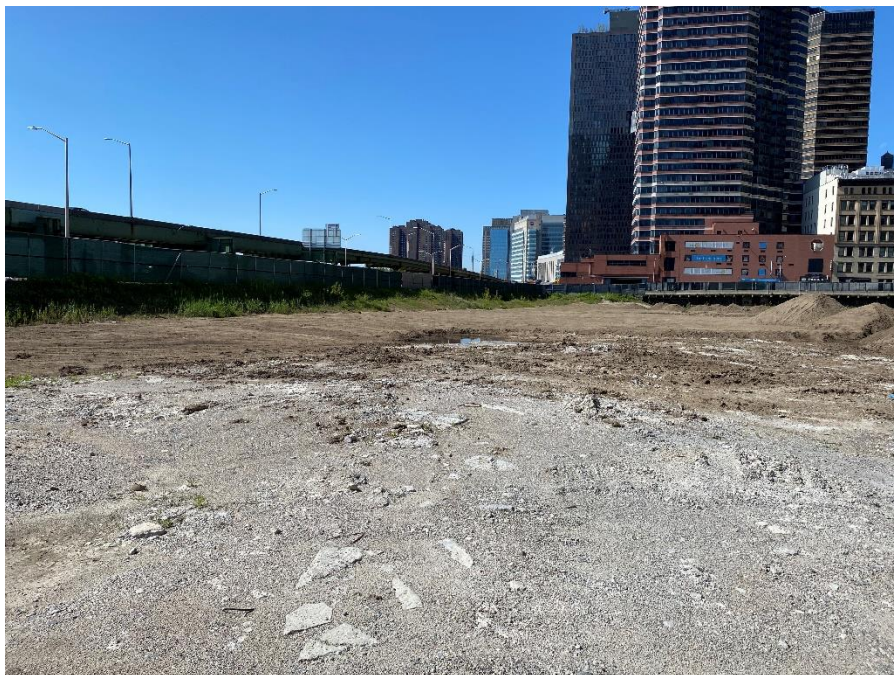
Photograph 5 – View of the central part of the site; facing southeast (photograph dated 5/13/2020).



Photograph 6 – View of top soil stockpiled in the central part of the site; facing southeast (photograph dated 5/13/2020).



Photograph 7 – View of gravel area in the central west part of the site; facing west (photograph dated 5/13/2020).



Photograph 8 – View of graded top soil in the central east part of the site; facing southeast (photograph dated 5/13/2020).



Photograph 9 – View of top soil stockpiled in the southwest corner of the site; facing southwest (photograph dated 5/13/2020).



Photograph 10 – Close up of top soil (photograph dated 5/13/2020).



Photograph 11 – View of southeast corner of the site; facing southeast (photograph dated 5/13/2020).



Photograph 12 - View of northwest corner of the site; facing northwest (photograph dated 5/13/2020).



Photograph 13 – View of shallow rainwater collection basin in central west part of the site; facing west (photograph dated 5/13/2020).



Photograph 14 – View of former rainwater collection basin backfilled with imported topsoil in central west part of the site; facing west (photograph dated 7/17/2020).

APPENDIX B

IMPORTED MATERIALS DOCUMENTATION



**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**



Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is:

Have Ecological Resources been identified?

Is this soil originating from the site?

How many cubic yards of soil will be imported/reused?

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone?

Does it contain less than 10%, by weight, material that would pass a size 80 sieve?

Is this virgin material from a permitted mine or quarry?

Is this material recycled concrete or brick from a DEC registered processing facility?

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

No chemical testing required. The 3/4-inch virgin aggregate does not contain more than 10% of material passing the No. 80 sieve, therefore, no samples and lab analysis are required.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

N/A

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Tilcon New York Inc. (mine/quarry), SOLO9W57 (owner), Atlas Roll-Off Corp (contractor)

Location where fill was obtained:

Tilcon New York Inc. - Mt. Hope Quarry, 625 Mt. Hope Road, Wharton Borough, Morris County, NJ

Identification of any state or local approvals as a fill source:

NJ Mine Registration Certificate 004630

If no approvals are available, provide a brief history of the use of the property that is the fill source:

The source is a NJ-registered mine/quarry. The material is ASTM #5 (3/4-inch), clean, natural, washed stone aggregate. The material will be placed at the site to control rainwater ponding and surface drainage.

Provide a list of supporting documentation included with this request:

NJ Mine Registration Certification (Expiration 3/31/2020)
Sieve/gradation report dated April 16, 2019
Site Plan showing proposed placement locations

The information provided on this form is accurate and complete.

Gregory Wyka

Signature

6/5/2019

Date

Gregory Wyka

Print Name

Langan

Firm



TILCON NEW YORK INC.

PHONE: 973-366-7741 9 ENTIN ROAD, PARSIPPANY, New Jersey 07054

2019 Clean Fill Material Certification- NJ Locations Only

Tilcon NY Inc. New Jersey Division confirms to the best of our knowledge that the aggregates produced at the locations below are virgin stone products, contain no hazards or contamination prior to shipment of materials and conform to section 901 of the *2007 New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction*. The material is identified on the job with Tilcon NJ delivery tickets. The quarries are listed in the Quality List (QPL) of the NJDOT website

<http://www.state.nj.us/transportation/eng/materials/qualified/QPRDB.shtm>

Pompton Lakes Quarry- Granite Gneiss, 84 Borough of Pompton Lakes, Passaic County Blocks No(s) 105-Lot(s) 84. NJDOT approved crushed stone and certified fill products.

Mt. Hope Quarry- Granite Gneiss, 625 Mt Hope Road, Wharton Borough, Morris County NJ, Block No 20001 Lot(s) 5.01,5.02,7; Block 70001 Lot No 2;Block No 20101 Lot No 6. Mt Hope quarry contains NJDOT approved crushed stone, washed products and certified fill products.

Tilcon NY Inc. has had Pompton Lakes and Mt Hope quarries analyzed under the EPA Target Compound List as required by the LSRP program- *NJDEP Residential Direct Contact Soil Remediation Standards/Clean Fill Criteria*. A copy of the report is available upon request. To the best of our knowledge, the materials produced at the above quarries comply with Section 7 of the Fill Material Guidance for SRP Sites.

Riverdale Quarry- Granite Gneiss, 125 Hamburg Turnpike, Riverdale, Morris County NJ, Block No9s0 25, 26, 27, 29 Lot No 3. Riverdale Quarry NJDOT approved crushed stone, washed products and certified fill materials.

Oxford Quarry- Granite Gneiss and Limestone, Quarry and Mt Pisgah Avenue, White Township, Warren County Block 32- Lots 15,16 Block 33- Lots 22,23 Block 34 Lots 19,20 Block 25- Lots 3,5,9,90.1 NJDOT approved crushed stone, washed products and certified materials.

Tilcon New York, INC Quality Control 973-659-3790

An Equal Opportunity Employer



State of New Jersey
Department of Labor and Workforce Development

Certificate No. 004630
Expiration Date 3/31/2020

MINE REGISTRATION CERTIFICATE

ISSUED TO: TILCON NY INC-MT. HOPE QUARRY
LOCATION: 625 MT. HOPE ROAD
WHARTON, NJ

BLK NO(S): SEE BELOW
LOT NO(S): SEE BELOW
COUNTY: MORRIS

Issued pursuant to the provisions of N.J.S.A. 34:6-98.1 et. seq. Failure to comply with the provisions of the Act, and the Rules promulgated thereunder, shall be good cause for the revocation of this Certificate.

Robert Asaro-Angelo

Commissioner

THIS CERTIFICATE MUST BE POSTED AT ALL TIMES

<u>BLK NO(S)</u>	<u>LOT NO(S)</u>
20001	5.01, 5.02, 7
70001	2
20101	6



Gradation Test Report

Plant 060_00418-Mt. Hope Quarry
Product -ASTM #5
Specification ASTM 5



1780011729

Sample Information

Sample No 1780011729
Date Sampled 04/16/2019 08:10
Sampled By Dallas Boris
Type Production
Method Load-out Face

Split Sample ☐
Resample ☐

Gradation Results

Date Completed 04/16/2019 08:10

Tested By Dallas Boris

Unit	Moist Mass	Dry Mass	Wash Mass	Moisture %	Wash Loss %	Procedure		
lb		24.90						
Sieve	Mass Retained	Cum Mass Retained	Ind % Retained	% Retained	% Passing	Target	Specification	Comment
1 1/2" (37.5mm)	0.00	0.00	0.0	0.0	100.0	100-100\100	100-100	
1" (25mm)	1.70	1.70	6.8	6.8	93.2	90-97.8\88.7	90-100	
3/4" (19mm)	15.60	17.30	62.7	69.5	30.5		20-55	
1/2" (12.5mm)	7.20	24.50	28.9	98.4	1.6	0-10\5.2	0-10	
3/8" (9.5mm)	0.20	24.70	0.8	99.2	0.8		0-5	
Pan	0.20	24.90	0.80	100.00	0.00			



LEGEND:

-  APPROXIMATE SITE BOUNDARY
-  PROPOSED AND APPROXIMATE PLACEMENT LOCATIONS FOR CLEAN, NATURAL AGGREGATE FOR SURFACE DRAINAGE CONTROL

GENERAL NOTES

1. BASE MAP SOURCE: NEARMAP.COM AERIAL PHOTO DATED JUNE 12, 2018



LANGAN

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Landscape Architecture and Geology, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Collectively known as Langan

Project

**THE GREATER
WATERSIDE SITE**

BLOCK No. 970, LOT Nos. 1 and 2

NEW YORK

Figure Title

SITE PLAN

Project No.
170446801

Date
6/5/2019

Scale
1" = 150'

Drawn By
JFY

Checked By
GCW

Submission Date

Figure No.

1

Sheet 1 of 1

From: Lee, Ronnie (DEC) <ronnie.lee@dec.ny.gov>
Sent: Thursday, June 06, 2019 9:32 AM
To: Greg Wyka
Cc: Burke, Gerard (DEC); Ryan Manderbach; Sherief Saleh; Anthony Calicchio; Melissa Torres; Gregory Biesiadecki
Subject: RE: Greater Waterside Site, Site #C231013 - Import Request

Hi Greg,

The Department has reviewed your email request dated 6/5/19 to import approximately 300 cubic yards of clean, virgin ¾-inch aggregate from Tilcon New York Inc. ("Tilcon") to control rainwater ponding and surface drainage at the site. Tilcon is a New Jersey-registered mine/quarry. Based on the information provided, the request is hereby approved.

The proposed aggregate meets the requirements for material other than soil (i.e., gravel, rock, stone, recycled concrete or recycled brick) as specified in section 5.4(e)5 of DER-10. Chemical testing was not required since the aggregate contained less than 10%, by weight, material that would pass through a size 10 sieve (2.0 mm).

Regards,
Ronnie

Ronnie E. Lee, P.E.

Environmental Engineer 2, Division of Environmental Remediation

New York State Department of Environmental Conservation

625 Broadway, Albany, NY 12233

P: (518) 402-9615 | F: (518) 402-9773 | ronnie.lee@dec.ny.gov

www.dec.ny.gov |  |  | 

From: Greg Wyka <gwyka@langan.com>
Sent: Wednesday, June 05, 2019 6:14 PM
To: Lee, Ronnie (DEC) <ronnie.lee@dec.ny.gov>
Cc: Burke, Gerard (DEC) <gerard.burke@dec.ny.gov>; Ryan Manderbach <rmanderbach@Langan.com>; Sherief Saleh <ssaleh@langan.com>; Anthony Calicchio <acalicchio@solo9w57.com>; Melissa Torres <MTorres@solo9w57.com>; Gregory Biesiadecki <gbiesiadecki@Langan.com>
Subject: Greater Waterside Site, Site #C231013 - Import Request

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hi Ronnie,

Please find attached request to import about 300 yards of clean, virgin ¾-inch aggregate to the site for use to control surface drainage for review/approval. This material will be imported this week or early next week.

Thanks so much,

Greg

**Gregory Wyka, P.G., LEED AP ND
Project Geologist**

Direct: 212.479.5476

Mobile: 347.267.2679

[File Sharing Link](#)

LANGAN

Phone: 212.479.5400 Fax: 212.479.5444

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360 West 31st Street, 8th Floor

New York, NY 10001-2727

<https://protect2.fireeye.com/url?k=37de5136-6bf8656d-37dca803-000babd905ee-7b3b77216a84e8ff&u=http://www.langan.com/>

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**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**



Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is:

Have Ecological Resources been identified?

Is this soil originating from the site?

How many cubic yards of soil will be imported/reused?

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone?

Does it contain less than 10%, by weight, material that would pass a size 80 sieve?

Is this virgin material from a permitted mine or quarry?

Is this material recycled concrete or brick from a DEC registered processing facility?

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

The proposed imported material is manufactured organic topsoil from a nursery, Truxal Farms, located in East Hampton, NY. Samples for lab analysis were collected on June 7, 2019 at a frequency in accordance with NYSDEC DER-10 Table 5.4(e)10 and NYSDEC Policy for Sampling for 1,4-Dioxane and Per- and Polyfluoroalkyl Substances (PFAS) Under Part 375 Remedial Program (June 2019). Seven (7) grab samples were collected and analyzed for TCL/Part 375 VOCs. Two (2) 5-point composite samples were collected and analyzed for the following parameters: TCL/Part 375 VOCs, PCBs, pesticides, herbicides, TAL metals, hexavalent chromium, trivalent chromium, cyanide, 1,4-dioxane, PFAS (21-compound list), and SPLP PFOA and PFOS.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

Please see attached Tables 1 to 4. No analytes exceeded the 6 NYCRR Part 375-6.8(b) Restricted Use Residential Soil Cleanup Objectives (SCOs). PFOA and PFOS did not exceed the NYSDEC Screening Criteria of 1 part per billion (ppb) in the two composite samples.

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Truxal Farms (nursery)

Location where fill was obtained:

Truxal Farms, 124 Route 114, East Hampton, NY 11937

Identification of any state or local approvals as a fill source:

N/A

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Farmland/nursery

Provide a list of supporting documentation included with this request:

Figure 1 - Site Plan and Sample Location Plan
Figure 2 - Topsoil Placement Plan
Tables 1 to 4
Field Sampling Photographs
Laboratory Analytical Data Packages

Revised August 2014

The information provided on this form is accurate and complete.

Gregory Wyka

Signature

6/19/2019

Date

Gregory Wyka

Print Name

Langan

Firm

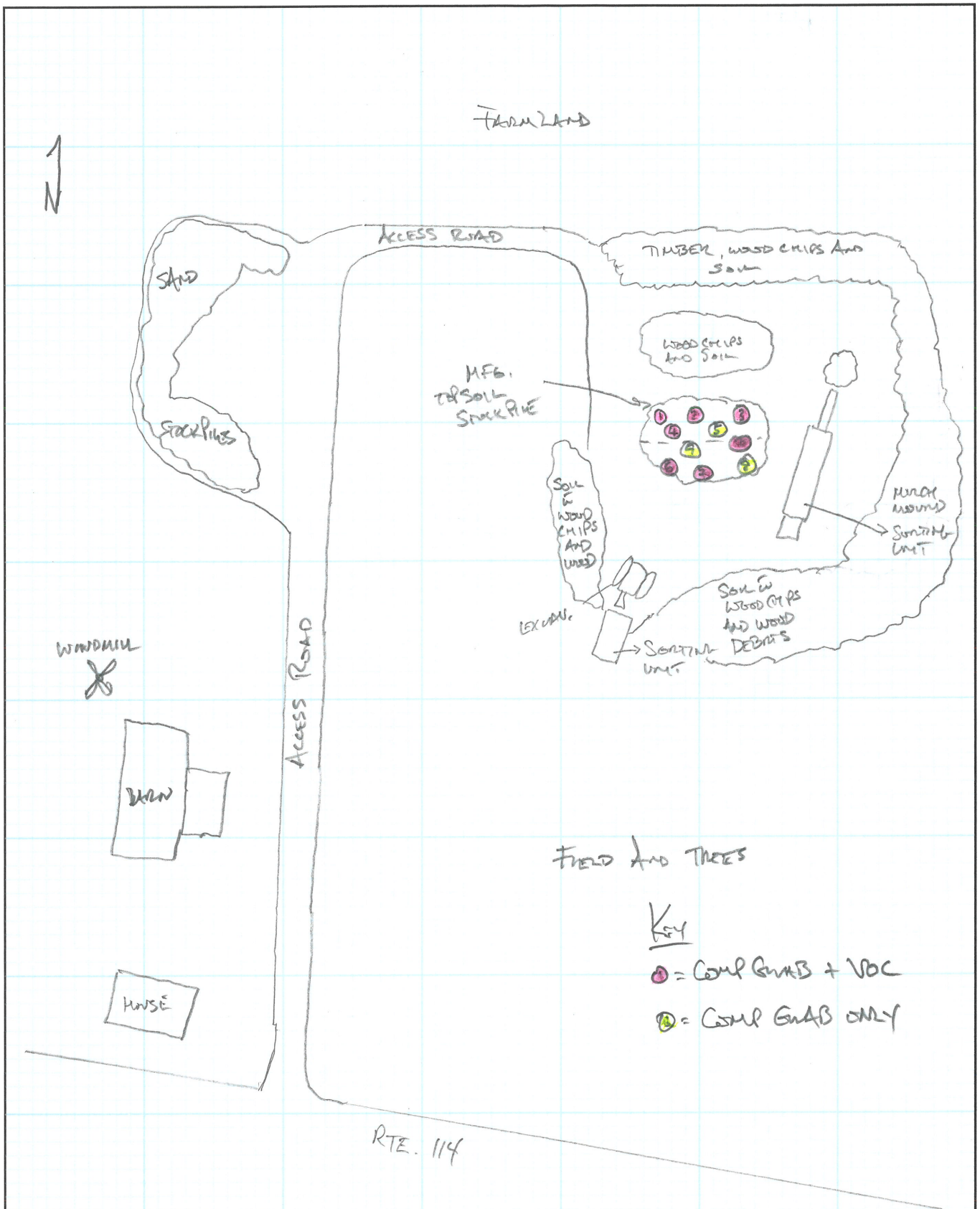


FIGURE 1 - SITE PLAN AND SAMPLE LOCATION PLAN

THOMAS J. JAMES EROD HEDGECOCK, NY	BY <u>LSM</u> DATE <u>6/7/19</u> CKD. _____ DATE _____	PROJ. NO. <u>170446801</u> SHEET _____ OF _____
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LEGEND:

-  APPROXIMATE SITE BOUNDARY
-  PROPOSED AND APPROXIMATE PLACEMENT LOCATIONS FOR IMPORTED ORGANIC TOPSOIL

GENERAL NOTES

1. BASE MAP SOURCE: NEARMAP.COM AERIAL PHOTO DATED JUNE 12, 2018



LANGAN

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Langan Engineering, Environmental, Surveying and
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Landscape Architecture and Geology, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Collectively known as Langan

Project

**THE GREATER
WATERSIDE SITE**

BLOCK No. 970, LOT Nos. 1 and 2

NEW YORK

Figure Title

**IMPORTED TOPSOIL
PLACEMENT PLAN**

Project No.
170446801

Date
6/14/2019

Scale
1" = 150'

Drawn By
JFY

Checked By
GCW

Submission Date

Figure No.

2

Table 1
Sample Collection Summary
Manufactured Organic Topsoil Sampling
Truxal Farms, 124 Route 114 East Hampton, NY 11937
Langan Project No. 170446801

Sample ID	No.	Sample Date	Analysis
SOIL SAMPLES			
SOGRAB01_0-1	1	6/7/2019	TCL/Part 375 VOCs
SOGRAB02_0-1	2	6/7/2019	TCL/Part 375 VOCs
SOGRAB03_0-1	3	6/7/2019	TCL/Part 375 VOCs
SOGRAB04_0-1	4	6/7/2019	TCL/Part 375 VOCs
SOGRAB06_0-1	5	6/7/2019	TCL/Part 375 VOCs
SOGRAB07_0-1	6	6/7/2019	TCL/Part 375 VOCs
SOGRAB10_0-1	7	6/7/2019	TCL/Part 375 VOCs
SOCOMP01	8	6/7/2019	TCL/Part 375 SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, 1,4-dioxane, PFAS (21-compound list), and SPLP PFOA and PFOS
SOCOMP02	9	6/7/2019	TCL/Part 375 SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, 1,4-dioxane, PFAS (21-compound list), and SPLP PFOA and PFOS
QA/QC			
Soil QA/QC			
SOFB01_060719	1	6/7/2019	PFAS (21-compound list)

Notes:
SO = Soil
TCL = Target Compound List
TAL = Target Analyte List
QA/QC = Quality Assurance / Quality Control
VOCs = Volatile organic compounds
SVOCs = Semivolatile organic compounds
PCBs = Polychlorinated Biphenyls
PFAS = Per-and Polyfluoroalkyl Substances
SPLP = Synthetic Precipitation Leaching Procedure
PFOA = Perfluorooctanoic acid
PFOS = Perfluorooctanesulfonic acid

Table 2
Imported Material Sampling - Manufactured Organic Topsoil
Grab Soil Sample Analytical Results Summary

700-708 First Avenue
New York, New York
BCP Site No.: C231013
Langan Project No.: 170446801

Location Sample ID Laboratory ID Sample Date Sample Depth (feet bgs)	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	SOGRAB01 SOGRAB01_0-1 L1924539-01 6/7/2019 0-1	SOGRAB02 SOGRAB02_0-1 L1924539-02 6/7/2019 0-1	SOGRAB03 SOGRAB03_0-1 L1924539-03 6/7/2019 0-1	SOGRAB04 SOGRAB04_0-1 L1924539-04 6/7/2019 0-1	SOGRAB06 SOGRAB06_0-1 L1924539-05 6/7/2019 0-1	SOGRAB07 SOGRAB07_0-1 L1924539-06 6/7/2019 0-1	SOGRAB10 SOGRAB10_0-1 L1924539-07 6/7/2019 0-1
Volatile Organic Compounds (mg/kg)										
1,1,2,2-Tetrachloroethane	~	~	~	0.00066 U	0.00075 U	0.00065 U	0.00075 U	0.00028 J	0.00069 U	0.00068 U
Acetone	0.05	100	0.05	0.013 U	0.013 J	0.0064 J	0.015 U	0.014 U	0.014 U	0.0077 J
Cymene	~	~	~	0.0006 J	0.00044 J	0.00026 J	0.00093 J	0.00038 J	0.0007 J	0.001 J
Toluene	0.7	100	0.7	0.0013 U	0.0017	0.0013 U	0.0015 U	0.00083 J	0.0014 U	0.0014 U

Notes:

1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use, Restricted Use Residential and Protection of Groundwater Soil Cleanup Objectives (SCO).
2. Only detected analytes are shown in the table.
3. Analytes detected with concentrations above Unrestricted Use SCOs are bolded.
4. Analytes detected with concentrations above Restricted Use Residential SCOs are shaded.
5. Analytes detected with concentrations above Protection of Groundwater SCOs are underlined.
6. Analytical results with reporting limits (RL) above the lowest applicable criteria are italicized.
7. ~ = Regulatory limit for this analyte does not exist
8. bgs = below grade surface
9. mg/kg = milligrams per kilogram

Qualifiers:

J = The analyte was detected above the Method Detection Limit (MDL), but below the RL; therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 3
Imported Material Sampling - Manufactured Organic Topsoil
Composite Soil Sample Analytical Results Summary

700-708 First Avenue
New York, New York
BCP Site No.: C231013
Langan Project No.: 170446801

Location Sample ID Laboratory ID Sample Date Sample Depth (feet bgs)	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	SOCOMP01 SOCOMP01_060719 L1924539-08 6/7/2019 0-0	SOCOMP02 SOCOMP02_060719 L1924539-09 6/7/2019 0-0
Semivolatile Organic Compounds (mg/kg)					
3 & 4 Methylphenol (m&p Cresol)	0.33	~	~	0.042 J	0.055 J
Benzo(a)Anthracene	1	1	1	0.026 J	0.14 U
Chrysene	1	1	1	0.028 J	0.024 J
Fluoranthene	100	100	1,000	0.044 J	0.14 U
Pyrene	100	100	1,000	0.037 J	0.14 U
Pesticides (mg/kg)					
4,4'-DDD	0.0033	2.6	14	0.00404 IP	0.0074
4,4'-DDE	0.0033	1.8	17	0.0314	0.0358
4,4'-DDT	0.0033	1.7	136	0.0153	0.0191
Alpha Chlordane	0.094	0.91	2.9	0.0024 JIP	0.00358 IP
Dieldrin	0.005	0.039	0.1	0.000928 JIP	0.00286
Gamma Chlordane	~	~	~	0.00209 JIP	0.00326 IP
Herbicides (mg/kg)	~	~	~	ND	ND
Polychlorinated Biphenyls (mg/kg)	~	~	~	ND	ND
Inorganics (mg/kg)					
Aluminum	~	~	~	5,750	5,680
Arsenic	13	16	16	12.4	12.6
Barium	350	350	820	31.5	26.4
Beryllium	7.2	14	47	0.16 J	0.154 J
Calcium	~	~	~	2,260	2,550
Chromium, Total	~	~	~	8.16	7.82
Chromium, Trivalent	30	36	~	8.2	7.8
Cobalt	~	~	~	2.03 J	1.98 J
Copper	50	270	1,720	30.1	28.9
Iron	~	~	~	7,250	6,960
Lead	63	400	450	53.7	37.6
Magnesium	~	~	~	944	1,100
Manganese	1,600	2,000	2,000	105	102
Nickel	30	140	130	3.65	3.5
Potassium	~	~	~	648	735
Sodium	~	~	~	57.8 J	52.6 J
Vanadium	~	~	~	11.5	11.1
Zinc	109	2,200	2,480	47.2	38.3
General Chemistry (%)					
Total Solids	~	~	~	71.5	70.1

Notes:

1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use, Restricted Use Residential and Protection of Groundwater
2. Only detected analytes are shown in the table.
3. Analytes detected with concentrations above Unrestricted Use SCOs are bolded.
4. Analytes detected with concentrations above Restricted Use Residential SCOs are shaded.
5. Analytes detected with concentrations above Protection of Groundwater SCOs are underlined.
6. Analytical results with reporting limits (RL) above the lowest applicable criteria are italicized.
7. ~ = Regulatory limit for this analyte does not exist
8. bgs = below grade surface
9. mg/kg = milligrams per kilogram
10. % = percent
11. ND = Not detected

Qualifiers:

I = The lower value for the two columns has been reported due to obvious interference.
J = The analyte was detected above the Method Detection Limit (MDL), but below the RL; therefore, the result is an estimated concentration.
P = The relative percent difference (RPD) between the results for the two columns exceeds the method-specified criteria.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 4
Imported Material Sampling - Manufactured Organic Topsoil
Composite Soil Sample Analytical Results Summary

700-708 First Avenue
New York, New York
BCP Site No.: C231013
Langan Project No.: 170446801

Location		SOCOMP01	SOCOMP02
Sample ID	NYSDEC	SOCOMP01_060719	SOCOMP02_060719
Laboratory ID	Screening	L1924539-08	L1924539-09
Sample Date	Criteria	6/7/2019	6/7/2019
Sample Depth (feet bgs)		0-0	0-0
Per and Polyfluoroalkyl Substances (mg/kg)			
Perfluorobutanoic acid (PFBA)	~	0.000057 J	0.000074 J
Perfluorodecanoic acid (PFDA)	~	0.000124 J	0.000156 J
Perfluorododecanoic Acid (PFDoA)	~	0.000079 J	0.000097 J
Perfluoroheptanoic acid (PFHpA)	~	0.00103 U	0.00007 J
Perfluorononanoic Acid (PFNA)	~	0.00014 J	0.00014 J
Perfluorooctanesulfonic acid (PFOS)	0.001	0.000434 J	0.000654 J
Perfluorooctanoic Acid (PFOA)	0.001	0.000166 J	0.00021 J
Perfluoroundecanoic Acid (PFUnA)	~	0.000107 J	0.00011 J
TOTAL PFOA AND PFOS	~	0.0006 J	0.000864 J

Notes:

1. Regulatory criteria do not exist for per- and polyfluoroalkyl substances (PFAS) in New York State. Perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) results are compared to the New York State Department of Environmental Conservation (NYSDEC) screening criteria of 1 µg/kg.
2. Only detected analytes are shown in the table.
3. Analytes detected with concentrations above the NYSDEC screening criteria are bolded and shaded.
4. Analytical results with reporting limits (RL) above NYSDEC screening criteria are italicized.
5. ~ = Regulatory limit for this analyte does not exist
6. mg/kg = micrograms per liter

Qualifiers:

J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Field Photographs
Organic Topsoil Sampling
Truxal Farms, East Hampton, NY
June 7, 2019



Photograph 1: View of manufactured organic topsoil stockpile (estimated 800 to 1,000 cubic yards) at Truxal Farms (facing south)

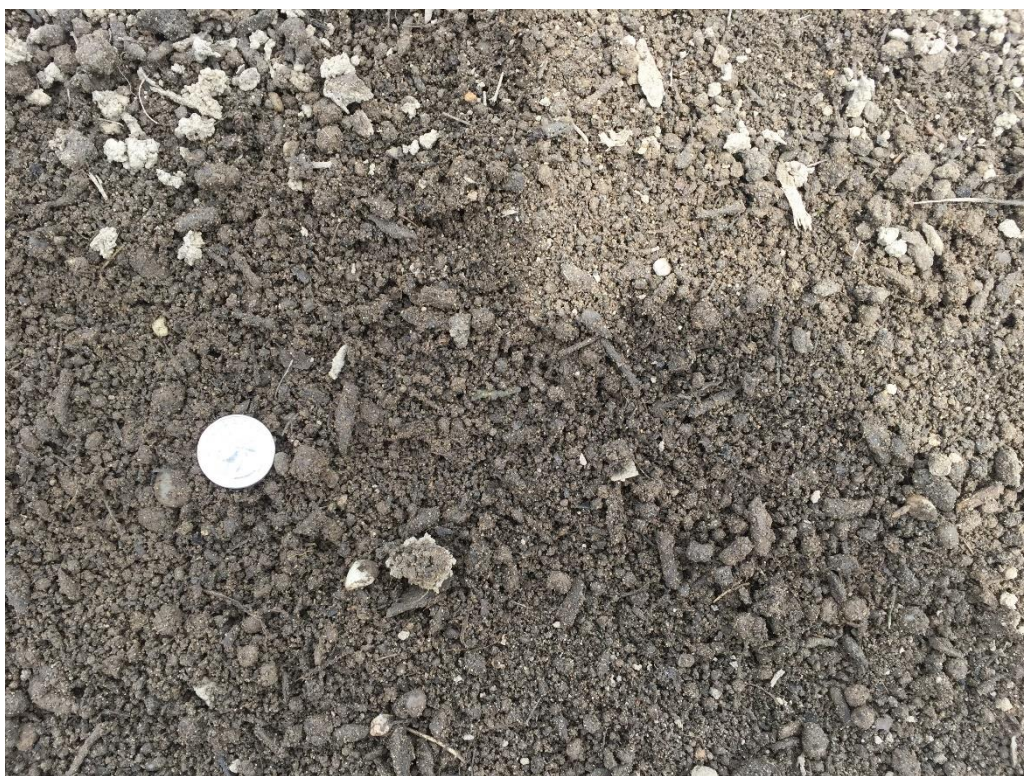


Photograph 2: View of manufactured organic topsoil stockpile; orange flags mark grab sampling locations (facing south)

Field Photographs
Organic Topsoil Sampling
Truxal Farms, East Hampton, NY
June 7, 2019



Photograph 3: Closer view of manufactured organic topsoil stockpile



Photograph 4: Close-up view of manufactured organic topsoil stockpile (US Quarter for scale)

JOB: L1924539 REPORT STYLE: Data Usability Report

0010: Alpha Analytical Report Cover Page - OK

0015: Sample Cross Reference Summary - OK

0060: Case Narrative - OK

0100: Volatiles Cover Page - OK

0110: Volatiles Sample Results - OK

0120: Volatiles Method Blank Report - OK

0130: Volatiles LCS Report - OK

0180: Semivolatiles Cover Page - OK

0190: Semivolatiles Sample Results - OK

0200: Semivolatiles Method Blank Report - OK

0210: Semivolatiles LCS Report - OK

0700: PCBs Cover Page - OK

0710: PCBs Sample Results - OK

0720: PCBs Method Blank Report - OK

0730: PCBs LCS Report - OK

0900: Pesticides Cover Page - OK

0910: Pesticides Sample Results - OK

0920: Pesticides Method Blank Report - OK

0930: Pesticides LCS Report - OK

1005: Metals Sample Results - OK

1010: Metals Method Blank Report - OK

1020: Metals LCS Report - OK

1040: Metals Matrix Spike Report - OK

1050: Metals Duplicate Report - OK

1180: Inorganics Cover Page - OK

1200: Wet Chemistry Sample Results - OK

1210: Wet Chemistry Method Blank Report - OK

1220: Wet Chemistry LCS Report - OK

1240: Wet Chemistry Matrix Spike Report - OK

1250: Wet Chemistry Duplicate Report - OK

5100: Sample Receipt & Container Information Report - OK

5200: Glossary - OK

5400: References - OK

No results found for sample L1924539-08 for product A2-SPLP-537-ISOTOPE

No results found for sample L1924539-09 for product A2-SPLP-537-ISOTOPE

No results found for sample L1924539-10 for product A2-NY-537-ISOTOPE



ANALYTICAL REPORT

Lab Number:	L1924539
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Greg Wyka
Phone:	(212) 479-5476
Project Name:	TRUXAL FARMS, EAST HAMPTON, NY
Project Number:	170446801
Report Date:	06/19/19

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

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



Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1924539-01	SGRAB01_0-1	SOIL	EAST HAMPTON, NY	06/07/19 12:30	06/07/19
L1924539-02	SGRAB02_0-1	SOIL	EAST HAMPTON, NY	06/07/19 12:32	06/07/19
L1924539-03	SGRAB03_0-1	SOIL	EAST HAMPTON, NY	06/07/19 12:34	06/07/19
L1924539-04	SGRAB04_0-1	SOIL	EAST HAMPTON, NY	06/07/19 12:36	06/07/19
L1924539-05	SGRAB06_0-1	SOIL	EAST HAMPTON, NY	06/07/19 12:42	06/07/19
L1924539-06	SGRAB07_0-1	SOIL	EAST HAMPTON, NY	06/07/19 12:44	06/07/19
L1924539-07	SGRAB10_0-1	SOIL	EAST HAMPTON, NY	06/07/19 12:46	06/07/19
L1924539-08	SOCOMP01	SOIL	EAST HAMPTON, NY	06/07/19 12:40	06/07/19
L1924539-09	SOCOMP02	SOIL	EAST HAMPTON, NY	06/07/19 12:50	06/07/19
L1924539-10	SOFB01_060719	WATER	EAST HAMPTON, NY	06/07/19 13:10	06/07/19

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

Case Narrative

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

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

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

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

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

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

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

Case Narrative (continued)

Report Submission

June 19, 2019: This is a preliminary report.

June 14, 2019: This is a preliminary report.

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

Volatile Organics

L1924539-07: The internal standard (IS) response for 1,4-dichlorobenzene-d4 (39%) and the surrogate recovery for 4-bromofluorobenzene (138%) were outside the acceptance criteria. A second low-level vial was analyzed, but yielded no internal standard recoveries. A high-level analysis was performed, and those results are also reported.

Perfluorinated Alkyl Acids by Isotope Dilution

WG1249340-3: The continuing calibration standard had the response for 8:2FTS outside the acceptance criteria for the method. This value represents less than 10% of all compounds; therefore, the calibration was accepted.

WG1249340-3: The continuing calibration standard had the response for the extracted internal standard 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) outside the acceptance criteria for the method. The associated target analytes were within acceptance criteria; therefore, no further action was taken.

WG1248063-1: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

WG1249340-1: The continuing calibration standard had the response for the extracted internal standards Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA), 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS), 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) and Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) outside the acceptance criteria for the method. The associated target analytes were within acceptance criteria; therefore, no further action was taken.

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

Case Narrative (continued)

WG1248063-2: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

WG1249745-2: The continuing calibration standard had the response for the extracted internal standard 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) and 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) outside the acceptance criteria for the method. The associated target analytes were within acceptance criteria; therefore, no further action was taken.

WG1249745-3: The continuing calibration standard had the response for the extracted internal standard 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) and 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) outside the acceptance criteria for the method. The associated target analytes were within acceptance criteria; therefore, no further action was taken.

WG1248063-3: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

Total Metals

L1924539-08 and -09: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1248134-3 MS recovery, performed on L1924539-08, is outside the acceptance criteria for mercury (135%). A post digestion spike was performed and was within acceptance criteria.

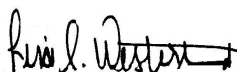
Cyanide, Total

The WG1246197-2/-3 LCS/LCSD recoveries (69%/76%), associated with L1924539-08, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1246315-2/-3 LCS/LCSD recoveries (69%/77%), associated with L1924539-09, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature:

 Lisa Westerlind

Title: Technical Director/Representative

Date: 06/19/19

ORGANICS

VOLATILES

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-01
Client ID: SOGRAB01_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:30
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/12/19 13:03
Analyst: JC
Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.6	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.35	1
Tetrachloroethene	ND		ug/kg	0.66	0.26	1
Chlorobenzene	ND		ug/kg	0.66	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.91	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.66	0.22	1
Bromodichloromethane	ND		ug/kg	0.66	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.66	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.66	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.66	0.21	1
Bromoform	ND		ug/kg	5.2	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.66	0.22	1
Benzene	ND		ug/kg	0.66	0.22	1
Toluene	ND		ug/kg	1.3	0.71	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.2	1.2	1
Bromomethane	ND		ug/kg	2.6	0.76	1
Vinyl chloride	ND		ug/kg	1.3	0.44	1
Chloroethane	ND		ug/kg	2.6	0.59	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-01
Client ID: SOGRAB01_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:30
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.66	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.73	1
o-Xylene	ND		ug/kg	1.3	0.38	1
Xylenes, Total	ND		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.31	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.3	1
Carbon disulfide	ND		ug/kg	13	6.0	1
2-Butanone	ND		ug/kg	13	2.9	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.17	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.27	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.66	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
o-Chlorotoluene	ND		ug/kg	2.6	0.25	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	0.60	J	ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.2	0.85	1
Acrylonitrile	ND		ug/kg	5.2	1.5	1

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-01
Client ID: SOGRAB01_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:30
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.42	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.44	1
1,4-Dioxane	ND		ug/kg	100	46.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.50	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.25	1
Ethyl ether	ND		ug/kg	2.6	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.6	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	92		70-130

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-02
Client ID: SOGRAB02_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:32
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/12/19 13:30
Analyst: JC
Percent Solids: 68%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.5	3.4	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.22	1
Chloroform	ND		ug/kg	2.2	0.21	1
Carbon tetrachloride	ND		ug/kg	1.5	0.35	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.19	1
Dibromochloromethane	ND		ug/kg	1.5	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.40	1
Tetrachloroethene	ND		ug/kg	0.75	0.30	1
Chlorobenzene	ND		ug/kg	0.75	0.19	1
Trichlorofluoromethane	ND		ug/kg	6.0	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.39	1
1,1,1-Trichloroethane	ND		ug/kg	0.75	0.25	1
Bromodichloromethane	ND		ug/kg	0.75	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.41	1
cis-1,3-Dichloropropene	ND		ug/kg	0.75	0.24	1
1,3-Dichloropropene, Total	ND		ug/kg	0.75	0.24	1
1,1-Dichloropropene	ND		ug/kg	0.75	0.24	1
Bromoform	ND		ug/kg	6.0	0.37	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.75	0.25	1
Benzene	ND		ug/kg	0.75	0.25	1
Toluene	1.7		ug/kg	1.5	0.82	1
Ethylbenzene	ND		ug/kg	1.5	0.21	1
Chloromethane	ND		ug/kg	6.0	1.4	1
Bromomethane	ND		ug/kg	3.0	0.87	1
Vinyl chloride	ND		ug/kg	1.5	0.50	1
Chloroethane	ND		ug/kg	3.0	0.68	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.21	1

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-02
Client ID: SOGRAB02_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:32
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.75	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	3.0	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	3.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	3.0	0.26	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.30	1
p/m-Xylene	ND		ug/kg	3.0	0.84	1
o-Xylene	ND		ug/kg	1.5	0.44	1
Xylenes, Total	ND		ug/kg	1.5	0.44	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.26	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.21	1
Dibromomethane	ND		ug/kg	3.0	0.36	1
Styrene	ND		ug/kg	1.5	0.30	1
Dichlorodifluoromethane	ND		ug/kg	15	1.4	1
Acetone	13	J	ug/kg	15	7.2	1
Carbon disulfide	ND		ug/kg	15	6.8	1
2-Butanone	ND		ug/kg	15	3.3	1
Vinyl acetate	ND		ug/kg	15	3.2	1
4-Methyl-2-pentanone	ND		ug/kg	15	1.9	1
1,2,3-Trichloropropane	ND		ug/kg	3.0	0.19	1
2-Hexanone	ND		ug/kg	15	1.8	1
Bromochloromethane	ND		ug/kg	3.0	0.31	1
2,2-Dichloropropane	ND		ug/kg	3.0	0.30	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.42	1
1,3-Dichloropropane	ND		ug/kg	3.0	0.25	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.75	0.20	1
Bromobenzene	ND		ug/kg	3.0	0.22	1
n-Butylbenzene	ND		ug/kg	1.5	0.25	1
sec-Butylbenzene	ND		ug/kg	1.5	0.22	1
tert-Butylbenzene	ND		ug/kg	3.0	0.18	1
o-Chlorotoluene	ND		ug/kg	3.0	0.29	1
p-Chlorotoluene	ND		ug/kg	3.0	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.5	1.5	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.25	1
Isopropylbenzene	ND		ug/kg	1.5	0.16	1
p-Isopropyltoluene	0.44	J	ug/kg	1.5	0.16	1
Naphthalene	ND		ug/kg	6.0	0.98	1
Acrylonitrile	ND		ug/kg	6.0	1.7	1

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-02
Client ID: SOGRAB02_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:32
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.0	0.48	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.0	0.41	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.0	0.29	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.0	0.50	1
1,4-Dioxane	ND		ug/kg	120	53.	1
p-Diethylbenzene	ND		ug/kg	3.0	0.27	1
p-Ethyltoluene	ND		ug/kg	3.0	0.58	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.0	0.29	1
Ethyl ether	ND		ug/kg	3.0	0.51	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.5	2.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	93		70-130

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-03
Client ID: SOGRAB03_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:34
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/12/19 13:58
Analyst: JC
Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.5	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	ND		ug/kg	0.65	0.25	1
Chlorobenzene	ND		ug/kg	0.65	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.90	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.65	0.22	1
Bromodichloromethane	ND		ug/kg	0.65	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.65	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.65	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.65	0.20	1
Bromoform	ND		ug/kg	5.2	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.65	0.21	1
Benzene	ND		ug/kg	0.65	0.21	1
Toluene	ND		ug/kg	1.3	0.70	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.2	1.2	1
Bromomethane	ND		ug/kg	2.6	0.75	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
Chloroethane	ND		ug/kg	2.6	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.18	1

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-03
Client ID: SOGRAB03_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:34
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.65	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.72	1
o-Xylene	ND		ug/kg	1.3	0.38	1
Xylenes, Total	ND		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.31	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	6.4	J	ug/kg	13	6.2	1
Carbon disulfide	ND		ug/kg	13	5.9	1
2-Butanone	ND		ug/kg	13	2.9	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.16	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.65	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
o-Chlorotoluene	ND		ug/kg	2.6	0.25	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	0.26	J	ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.2	0.84	1
Acrylonitrile	ND		ug/kg	5.2	1.5	1

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-03
Client ID: SOGRAB03_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:34
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.42	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.43	1
1,4-Dioxane	ND		ug/kg	100	45.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.50	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.25	1
Ethyl ether	ND		ug/kg	2.6	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.5	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	121		70-130
Dibromofluoromethane	94		70-130

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-04
Client ID: SOGRAB04_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:36
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/12/19 14:25
Analyst: PK
Percent Solids: 68%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.5	3.4	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.22	1
Chloroform	ND		ug/kg	2.2	0.21	1
Carbon tetrachloride	ND		ug/kg	1.5	0.34	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.19	1
Dibromochloromethane	ND		ug/kg	1.5	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.40	1
Tetrachloroethene	ND		ug/kg	0.75	0.29	1
Chlorobenzene	ND		ug/kg	0.75	0.19	1
Trichlorofluoromethane	ND		ug/kg	6.0	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.39	1
1,1,1-Trichloroethane	ND		ug/kg	0.75	0.25	1
Bromodichloromethane	ND		ug/kg	0.75	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.41	1
cis-1,3-Dichloropropene	ND		ug/kg	0.75	0.24	1
1,3-Dichloropropene, Total	ND		ug/kg	0.75	0.24	1
1,1-Dichloropropene	ND		ug/kg	0.75	0.24	1
Bromoform	ND		ug/kg	6.0	0.37	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.75	0.25	1
Benzene	ND		ug/kg	0.75	0.25	1
Toluene	ND		ug/kg	1.5	0.82	1
Ethylbenzene	ND		ug/kg	1.5	0.21	1
Chloromethane	ND		ug/kg	6.0	1.4	1
Bromomethane	ND		ug/kg	3.0	0.87	1
Vinyl chloride	ND		ug/kg	1.5	0.50	1
Chloroethane	ND		ug/kg	3.0	0.68	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.20	1

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-04
Client ID: SOGRAB04_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:36
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.75	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	3.0	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	3.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	3.0	0.26	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.30	1
p/m-Xylene	ND		ug/kg	3.0	0.84	1
o-Xylene	ND		ug/kg	1.5	0.44	1
Xylenes, Total	ND		ug/kg	1.5	0.44	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.26	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.20	1
Dibromomethane	ND		ug/kg	3.0	0.36	1
Styrene	ND		ug/kg	1.5	0.29	1
Dichlorodifluoromethane	ND		ug/kg	15	1.4	1
Acetone	ND		ug/kg	15	7.2	1
Carbon disulfide	ND		ug/kg	15	6.8	1
2-Butanone	ND		ug/kg	15	3.3	1
Vinyl acetate	ND		ug/kg	15	3.2	1
4-Methyl-2-pentanone	ND		ug/kg	15	1.9	1
1,2,3-Trichloropropane	ND		ug/kg	3.0	0.19	1
2-Hexanone	ND		ug/kg	15	1.8	1
Bromochloromethane	ND		ug/kg	3.0	0.31	1
2,2-Dichloropropane	ND		ug/kg	3.0	0.30	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.42	1
1,3-Dichloropropane	ND		ug/kg	3.0	0.25	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.75	0.20	1
Bromobenzene	ND		ug/kg	3.0	0.22	1
n-Butylbenzene	ND		ug/kg	1.5	0.25	1
sec-Butylbenzene	ND		ug/kg	1.5	0.22	1
tert-Butylbenzene	ND		ug/kg	3.0	0.18	1
o-Chlorotoluene	ND		ug/kg	3.0	0.29	1
p-Chlorotoluene	ND		ug/kg	3.0	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.5	1.5	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.25	1
Isopropylbenzene	ND		ug/kg	1.5	0.16	1
p-Isopropyltoluene	0.93	J	ug/kg	1.5	0.16	1
Naphthalene	ND		ug/kg	6.0	0.98	1
Acrylonitrile	ND		ug/kg	6.0	1.7	1

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-04
Client ID: SOGRAB04_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:36
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.0	0.48	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.0	0.41	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.0	0.29	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.0	0.50	1
1,4-Dioxane	ND		ug/kg	120	53.	1
p-Diethylbenzene	ND		ug/kg	3.0	0.26	1
p-Ethyltoluene	ND		ug/kg	3.0	0.58	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.0	0.29	1
Ethyl ether	ND		ug/kg	3.0	0.51	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.5	2.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	114		70-130
4-Bromofluorobenzene	125		70-130
Dibromofluoromethane	92		70-130

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-05
Client ID: SOGRAB06_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:42
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/12/19 14:52
Analyst: PK
Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.9	3.2	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.1	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.32	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.37	1
Tetrachloroethene	ND		ug/kg	0.69	0.27	1
Chlorobenzene	ND		ug/kg	0.69	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.96	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	0.69	0.23	1
Bromodichloromethane	ND		ug/kg	0.69	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.38	1
cis-1,3-Dichloropropene	ND		ug/kg	0.69	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.69	0.22	1
1,1-Dichloropropene	ND		ug/kg	0.69	0.22	1
Bromoform	ND		ug/kg	5.5	0.34	1
1,1,2,2-Tetrachloroethane	0.28	J	ug/kg	0.69	0.23	1
Benzene	ND		ug/kg	0.69	0.23	1
Toluene	0.83	J	ug/kg	1.4	0.75	1
Ethylbenzene	ND		ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.5	1.3	1
Bromomethane	ND		ug/kg	2.8	0.80	1
Vinyl chloride	ND		ug/kg	1.4	0.46	1
Chloroethane	ND		ug/kg	2.8	0.62	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.19	1

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-05
Client ID: SOGRAB06_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:42
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.69	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.8	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.28	1
p/m-Xylene	ND		ug/kg	2.8	0.77	1
o-Xylene	ND		ug/kg	1.4	0.40	1
Xylenes, Total	ND		ug/kg	1.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	2.8	0.33	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	ND		ug/kg	14	6.6	1
Carbon disulfide	ND		ug/kg	14	6.3	1
2-Butanone	ND		ug/kg	14	3.1	1
Vinyl acetate	ND		ug/kg	14	3.0	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.8	0.18	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.8	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.8	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
1,3-Dichloropropane	ND		ug/kg	2.8	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.69	0.18	1
Bromobenzene	ND		ug/kg	2.8	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.8	0.16	1
o-Chlorotoluene	ND		ug/kg	2.8	0.26	1
p-Chlorotoluene	ND		ug/kg	2.8	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.1	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.23	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	0.38	J	ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.5	0.90	1
Acrylonitrile	ND		ug/kg	5.5	1.6	1

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-05
Client ID: SOGRAB06_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:42
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.8	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.8	0.38	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.8	0.27	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.8	0.46	1
1,4-Dioxane	ND		ug/kg	110	48.	1
p-Diethylbenzene	ND		ug/kg	2.8	0.24	1
p-Ethyltoluene	ND		ug/kg	2.8	0.53	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.8	0.26	1
Ethyl ether	ND		ug/kg	2.8	0.47	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.9	2.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	122		70-130
Dibromofluoromethane	93		70-130

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-06
Client ID: SOGRAB07_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:44
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/12/19 15:20
Analyst: PK
Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.9	3.2	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.1	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.32	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.37	1
Tetrachloroethene	ND		ug/kg	0.69	0.27	1
Chlorobenzene	ND		ug/kg	0.69	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.96	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	0.69	0.23	1
Bromodichloromethane	ND		ug/kg	0.69	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.38	1
cis-1,3-Dichloropropene	ND		ug/kg	0.69	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.69	0.22	1
1,1-Dichloropropene	ND		ug/kg	0.69	0.22	1
Bromoform	ND		ug/kg	5.5	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.69	0.23	1
Benzene	ND		ug/kg	0.69	0.23	1
Toluene	ND		ug/kg	1.4	0.75	1
Ethylbenzene	ND		ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.5	1.3	1
Bromomethane	ND		ug/kg	2.8	0.80	1
Vinyl chloride	ND		ug/kg	1.4	0.46	1
Chloroethane	ND		ug/kg	2.8	0.62	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.19	1

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-06
Client ID: SOGRAB07_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:44
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.69	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.8	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.28	1
p/m-Xylene	ND		ug/kg	2.8	0.77	1
o-Xylene	ND		ug/kg	1.4	0.40	1
Xylenes, Total	ND		ug/kg	1.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	2.8	0.33	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	ND		ug/kg	14	6.6	1
Carbon disulfide	ND		ug/kg	14	6.3	1
2-Butanone	ND		ug/kg	14	3.1	1
Vinyl acetate	ND		ug/kg	14	3.0	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.8	0.18	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.8	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.8	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
1,3-Dichloropropane	ND		ug/kg	2.8	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.69	0.18	1
Bromobenzene	ND		ug/kg	2.8	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.8	0.16	1
o-Chlorotoluene	ND		ug/kg	2.8	0.26	1
p-Chlorotoluene	ND		ug/kg	2.8	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.1	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.23	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	0.70	J	ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.5	0.90	1
Acrylonitrile	ND		ug/kg	5.5	1.6	1

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-06
Client ID: SOGRAB07_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:44
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.8	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.8	0.38	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.8	0.27	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.8	0.46	1
1,4-Dioxane	ND		ug/kg	110	48.	1
p-Diethylbenzene	ND		ug/kg	2.8	0.24	1
p-Ethyltoluene	ND		ug/kg	2.8	0.53	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.8	0.26	1
Ethyl ether	ND		ug/kg	2.8	0.47	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.9	2.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	122		70-130
Dibromofluoromethane	92		70-130

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-07
Client ID: SOGRAB10_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:46
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/12/19 20:17
Analyst: JC
Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.8	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.36	1
Tetrachloroethene	ND		ug/kg	0.68	0.27	1
Chlorobenzene	ND		ug/kg	0.68	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.95	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	0.68	0.23	1
Bromodichloromethane	ND		ug/kg	0.68	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.68	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.68	0.22	1
1,1-Dichloropropene	ND		ug/kg	0.68	0.22	1
Bromoform	ND		ug/kg	5.4	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.68	0.23	1
Benzene	ND		ug/kg	0.68	0.23	1
Toluene	ND		ug/kg	1.4	0.74	1
Ethylbenzene	ND		ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.4	1.3	1
Bromomethane	ND		ug/kg	2.7	0.79	1
Vinyl chloride	ND		ug/kg	1.4	0.46	1
Chloroethane	ND		ug/kg	2.7	0.62	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.19	1

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-07
Client ID: SOGRAB10_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:46
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.68	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.76	1
o-Xylene	ND		ug/kg	1.4	0.40	1
Xylenes, Total	ND		ug/kg	1.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.2	1
Acetone	7.7	J	ug/kg	14	6.6	1
Carbon disulfide	ND		ug/kg	14	6.2	1
2-Butanone	ND		ug/kg	14	3.0	1
Vinyl acetate	ND		ug/kg	14	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.68	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.1	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.23	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	1.0	J	ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.4	0.88	1
Acrylonitrile	ND		ug/kg	5.4	1.6	1

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-07
Client ID: SOGRAB10_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:46
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.37	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.45	1
1,4-Dioxane	ND		ug/kg	110	48.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.52	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.26	1
Ethyl ether	ND		ug/kg	2.7	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.8	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	115		70-130
4-Bromofluorobenzene	138	Q	70-130
Dibromofluoromethane	101		70-130

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-07
Client ID: SOGRAB10_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:46
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/13/19 21:04
Analyst: NLK
Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	510	230	1
1,1-Dichloroethane	ND		ug/kg	100	15.	1
Chloroform	ND		ug/kg	150	14.	1
Carbon tetrachloride	ND		ug/kg	100	23.	1
1,2-Dichloropropane	ND		ug/kg	100	13.	1
Dibromochloromethane	ND		ug/kg	100	14.	1
1,1,2-Trichloroethane	ND		ug/kg	100	27.	1
Tetrachloroethene	ND		ug/kg	51	20.	1
Chlorobenzene	ND		ug/kg	51	13.	1
Trichlorofluoromethane	ND		ug/kg	400	70.	1
1,2-Dichloroethane	ND		ug/kg	100	26.	1
1,1,1-Trichloroethane	ND		ug/kg	51	17.	1
Bromodichloromethane	ND		ug/kg	51	11.	1
trans-1,3-Dichloropropene	ND		ug/kg	100	28.	1
cis-1,3-Dichloropropene	ND		ug/kg	51	16.	1
1,3-Dichloropropene, Total	ND		ug/kg	0.68	0.22	1
1,1-Dichloropropene	ND		ug/kg	51	16.	1
Bromoform	ND		ug/kg	400	25.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	51	17.	1
Benzene	ND		ug/kg	51	17.	1
Toluene	61	J	ug/kg	100	55.	1
Ethylbenzene	ND		ug/kg	100	14.	1
Chloromethane	ND		ug/kg	400	94.	1
Bromomethane	ND		ug/kg	200	59.	1
Vinyl chloride	ND		ug/kg	100	34.	1
Chloroethane	ND		ug/kg	200	46.	1
1,1-Dichloroethene	ND		ug/kg	100	24.	1
trans-1,2-Dichloroethene	ND		ug/kg	150	14.	1

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-07
Client ID: SOGRAB10_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:46
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	51	14.	1
1,2-Dichlorobenzene	ND		ug/kg	200	15.	1
1,3-Dichlorobenzene	ND		ug/kg	200	15.	1
1,4-Dichlorobenzene	ND		ug/kg	200	17.	1
Methyl tert butyl ether	ND		ug/kg	200	20.	1
p/m-Xylene	ND		ug/kg	200	57.	1
o-Xylene	ND		ug/kg	100	30.	1
Xylenes, Total	ND		ug/kg	1.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	100	18.	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	200	24.	1
Styrene	ND		ug/kg	100	20.	1
Dichlorodifluoromethane	ND		ug/kg	1000	93.	1
Acetone	ND		ug/kg	1000	490	1
Carbon disulfide	ND		ug/kg	1000	460	1
2-Butanone	ND		ug/kg	1000	220	1
Vinyl acetate	ND		ug/kg	1000	220	1
4-Methyl-2-pentanone	ND		ug/kg	1000	130	1
1,2,3-Trichloropropane	ND		ug/kg	200	13.	1
2-Hexanone	ND		ug/kg	1000	120	1
Bromochloromethane	ND		ug/kg	200	21.	1
2,2-Dichloropropane	ND		ug/kg	200	20.	1
1,2-Dibromoethane	ND		ug/kg	100	28.	1
1,3-Dichloropropane	ND		ug/kg	200	17.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	51	13.	1
Bromobenzene	ND		ug/kg	200	15.	1
n-Butylbenzene	ND		ug/kg	100	17.	1
sec-Butylbenzene	ND		ug/kg	100	15.	1
tert-Butylbenzene	ND		ug/kg	200	12.	1
o-Chlorotoluene	ND		ug/kg	200	19.	1
p-Chlorotoluene	ND		ug/kg	200	11.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	300	100	1
Hexachlorobutadiene	ND		ug/kg	400	17.	1
Isopropylbenzene	ND		ug/kg	100	11.	1
p-Isopropyltoluene	370		ug/kg	100	11.	1
Naphthalene	ND		ug/kg	400	66.	1
Acrylonitrile	ND		ug/kg	400	120	1

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-07
Client ID: SOGRAB10_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:46
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	100	17.	1
1,2,3-Trichlorobenzene	ND		ug/kg	200	33.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	28.	1
1,3,5-Trimethylbenzene	ND		ug/kg	200	20.	1
1,2,4-Trimethylbenzene	ND		ug/kg	200	34.	1
1,4-Dioxane	ND		ug/kg	8100	3600	1
p-Diethylbenzene	ND		ug/kg	200	18.	1
p-Ethyltoluene	ND		ug/kg	200	39.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	19.	1
Ethyl ether	ND		ug/kg	200	34.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	510	140	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	95		70-130

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/12/19 08:03
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1247629-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/12/19 08:03
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1247629-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/12/19 08:03
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1247629-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	94		70-130

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/12/19 19:25
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1248022-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/12/19 19:25
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1248022-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	0.21	J	ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
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Method Blank Analysis
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Analytical Method: 1,8260C
 Analytical Date: 06/12/19 19:25
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1248022-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

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Method Blank Analysis
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Analytical Method: 1,8260C
Analytical Date: 06/13/19 20:38
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 07 Batch: WG1248563-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
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Lab Number: L1924539
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/13/19 20:38
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 07 Batch: WG1248563-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	11	J	ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

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Batch Quality Control

Analytical Method: 1,8260C
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Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 07 Batch: WG1248563-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: TRUXAL FARMS, EAST HAMPTON, NY

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1247629-3 WG1247629-4								
Methylene chloride	78		78		70-130	0		30
1,1-Dichloroethane	80		83		70-130	4		30
Chloroform	84		84		70-130	0		30
Carbon tetrachloride	73		72		70-130	1		30
1,2-Dichloropropane	85		89		70-130	5		30
Dibromochloromethane	89		89		70-130	0		30
1,1,2-Trichloroethane	100		101		70-130	1		30
Tetrachloroethene	83		82		70-130	1		30
Chlorobenzene	92		93		70-130	1		30
Trichlorofluoromethane	98		86		70-139	13		30
1,2-Dichloroethane	91		90		70-130	1		30
1,1,1-Trichloroethane	77		76		70-130	1		30
Bromodichloromethane	85		86		70-130	1		30
trans-1,3-Dichloropropene	93		95		70-130	2		30
cis-1,3-Dichloropropene	86		87		70-130	1		30
1,1-Dichloropropene	78		80		70-130	3		30
Bromoform	90		91		70-130	1		30
1,1,2,2-Tetrachloroethane	109		108		70-130	1		30
Benzene	81		83		70-130	2		30
Toluene	88		90		70-130	2		30
Ethylbenzene	90		90		70-130	0		30
Chloromethane	75		76		52-130	1		30
Bromomethane	94		90		57-147	4		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: TRUXAL FARMS, EAST HAMPTON, NY

Lab Number: L1924539

Project Number: 170446801

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1247629-3 WG1247629-4								
Vinyl chloride	86		85		67-130	1		30
Chloroethane	103		95		50-151	8		30
1,1-Dichloroethene	81		72		65-135	12		30
trans-1,2-Dichloroethene	76		75		70-130	1		30
Trichloroethene	84		82		70-130	2		30
1,2-Dichlorobenzene	96		98		70-130	2		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	95		95		70-130	0		30
Methyl tert butyl ether	80		83		66-130	4		30
p/m-Xylene	92		92		70-130	0		30
o-Xylene	93		93		70-130	0		30
cis-1,2-Dichloroethene	81		83		70-130	2		30
Dibromomethane	91		89		70-130	2		30
Styrene	95		95		70-130	0		30
Dichlorodifluoromethane	68		66		30-146	3		30
Acetone	88		83		54-140	6		30
Carbon disulfide	77		67		59-130	14		30
2-Butanone	74		79		70-130	7		30
Vinyl acetate	79		81		70-130	3		30
4-Methyl-2-pentanone	95		98		70-130	3		30
1,2,3-Trichloropropane	105		110		68-130	5		30
2-Hexanone	88		89		70-130	1		30
Bromochloromethane	85		87		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRUXAL FARMS, EAST HAMPTON, NY

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Lab Number: L1924539

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1247629-3 WG1247629-4								
2,2-Dichloropropane	76		75		70-130	1		30
1,2-Dibromoethane	98		97		70-130	1		30
1,3-Dichloropropane	98		101		69-130	3		30
1,1,1,2-Tetrachloroethane	91		90		70-130	1		30
Bromobenzene	94		95		70-130	1		30
n-Butylbenzene	98		98		70-130	0		30
sec-Butylbenzene	94		94		70-130	0		30
tert-Butylbenzene	92		93		70-130	1		30
o-Chlorotoluene	83		84		70-130	1		30
p-Chlorotoluene	97		100		70-130	3		30
1,2-Dibromo-3-chloropropane	91		91		68-130	0		30
Hexachlorobutadiene	84		83		67-130	1		30
Isopropylbenzene	93		94		70-130	1		30
p-Isopropyltoluene	94		94		70-130	0		30
Naphthalene	94		95		70-130	1		30
Acrylonitrile	85		86		70-130	1		30
n-Propylbenzene	96		96		70-130	0		30
1,2,3-Trichlorobenzene	96		98		70-130	2		30
1,2,4-Trichlorobenzene	97		96		70-130	1		30
1,3,5-Trimethylbenzene	96		97		70-130	1		30
1,2,4-Trimethylbenzene	97		98		70-130	1		30
1,4-Dioxane	98		91		65-136	7		30
p-Diethylbenzene	94		94		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRUXAL FARMS, EAST HAMPTON, NY

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1247629-3 WG1247629-4								
p-Ethyltoluene	95		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		98		70-130	2		30
Ethyl ether	105		103		67-130	2		30
trans-1,4-Dichloro-2-butene	104		96		70-130	8		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		105		70-130
Toluene-d8	104		106		70-130
4-Bromofluorobenzene	104		105		70-130
Dibromofluoromethane	95		95		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: TRUXAL FARMS, EAST HAMPTON, NY

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1248022-3 WG1248022-4								
Methylene chloride	104		106		70-130	2		30
1,1-Dichloroethane	113		113		70-130	0		30
Chloroform	109		105		70-130	4		30
Carbon tetrachloride	98		94		70-130	4		30
1,2-Dichloropropane	107		109		70-130	2		30
Dibromochloromethane	95		97		70-130	2		30
1,1,2-Trichloroethane	101		103		70-130	2		30
Tetrachloroethene	100		98		70-130	2		30
Chlorobenzene	97		97		70-130	0		30
Trichlorofluoromethane	100		100		70-139	0		30
1,2-Dichloroethane	105		106		70-130	1		30
1,1,1-Trichloroethane	106		106		70-130	0		30
Bromodichloromethane	101		103		70-130	2		30
trans-1,3-Dichloropropene	102		103		70-130	1		30
cis-1,3-Dichloropropene	101		103		70-130	2		30
1,1-Dichloropropene	108		108		70-130	0		30
Bromoform	90		91		70-130	1		30
1,1,2,2-Tetrachloroethane	100		102		70-130	2		30
Benzene	104		105		70-130	1		30
Toluene	102		104		70-130	2		30
Ethylbenzene	100		100		70-130	0		30
Chloromethane	125		126		52-130	1		30
Bromomethane	103		101		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1248022-3 WG1248022-4								
Vinyl chloride	126		124		67-130	2		30
Chloroethane	116		117		50-151	1		30
1,1-Dichloroethene	111		111		65-135	0		30
trans-1,2-Dichloroethene	107		107		70-130	0		30
Trichloroethene	102		104		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		94		70-130	0		30
1,4-Dichlorobenzene	94		94		70-130	0		30
Methyl tert butyl ether	103		104		66-130	1		30
p/m-Xylene	98		96		70-130	2		30
o-Xylene	95		96		70-130	1		30
cis-1,2-Dichloroethene	102		103		70-130	1		30
Dibromomethane	98		100		70-130	2		30
Styrene	95		96		70-130	1		30
Dichlorodifluoromethane	97		97		30-146	0		30
Acetone	119		121		54-140	2		30
Carbon disulfide	105		106		59-130	1		30
2-Butanone	118		124		70-130	5		30
Vinyl acetate	107		108		70-130	1		30
4-Methyl-2-pentanone	100		101		70-130	1		30
1,2,3-Trichloropropane	99		98		68-130	1		30
2-Hexanone	100		102		70-130	2		30
Bromochloromethane	99		102		70-130	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: TRUXAL FARMS, EAST HAMPTON, NY

Project Number: 170446801

Lab Number: L1924539

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1248022-3 WG1248022-4								
2,2-Dichloropropane	107		107		70-130	0		30
1,2-Dibromoethane	97		98		70-130	1		30
1,3-Dichloropropane	102		103		69-130	1		30
1,1,1,2-Tetrachloroethane	97		98		70-130	1		30
Bromobenzene	96		96		70-130	0		30
n-Butylbenzene	100		101		70-130	1		30
sec-Butylbenzene	101		102		70-130	1		30
tert-Butylbenzene	99		99		70-130	0		30
o-Chlorotoluene	98		100		70-130	2		30
p-Chlorotoluene	97		97		70-130	0		30
1,2-Dibromo-3-chloropropane	84		86		68-130	2		30
Hexachlorobutadiene	93		94		67-130	1		30
Isopropylbenzene	100		100		70-130	0		30
p-Isopropyltoluene	98		98		70-130	0		30
Naphthalene	92		93		70-130	1		30
Acrylonitrile	108		109		70-130	1		30
n-Propylbenzene	101		101		70-130	0		30
1,2,3-Trichlorobenzene	92		92		70-130	0		30
1,2,4-Trichlorobenzene	89		90		70-130	1		30
1,3,5-Trimethylbenzene	98		98		70-130	0		30
1,2,4-Trimethylbenzene	97		98		70-130	1		30
1,4-Dioxane	99		111		65-136	11		30
p-Diethylbenzene	94		96		70-130	2		30

Lab Control Sample Analysis

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Project Number: 170446801

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1248022-3 WG1248022-4								
p-Ethyltoluene	99		100		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		92		70-130	1		30
Ethyl ether	105		107		67-130	2		30
trans-1,4-Dichloro-2-butene	106		102		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		103		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	101		97		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: TRUXAL FARMS, EAST HAMPTON, NY

Lab Number: L1924539

Project Number: 170446801

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 07 Batch: WG1248563-3 WG1248563-4								
Methylene chloride	104		102		70-130	2		30
1,1-Dichloroethane	109		109		70-130	0		30
Chloroform	108		104		70-130	4		30
Carbon tetrachloride	102		101		70-130	1		30
1,2-Dichloropropane	107		106		70-130	1		30
Dibromochloromethane	96		97		70-130	1		30
1,1,2-Trichloroethane	100		99		70-130	1		30
Tetrachloroethene	104		103		70-130	1		30
Chlorobenzene	99		99		70-130	0		30
Trichlorofluoromethane	107		108		70-139	1		30
1,2-Dichloroethane	101		102		70-130	1		30
1,1,1-Trichloroethane	110		108		70-130	2		30
Bromodichloromethane	100		100		70-130	0		30
trans-1,3-Dichloropropene	100		99		70-130	1		30
cis-1,3-Dichloropropene	103		102		70-130	1		30
1,1-Dichloropropene	109		108		70-130	1		30
Bromoform	91		92		70-130	1		30
1,1,2,2-Tetrachloroethane	98		96		70-130	2		30
Benzene	105		104		70-130	1		30
Toluene	101		101		70-130	0		30
Ethylbenzene	101		101		70-130	0		30
Chloromethane	115		112		52-130	3		30
Bromomethane	102		102		57-147	0		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 07 Batch: WG1248563-3 WG1248563-4								
Vinyl chloride	118		118		67-130	0		30
Chloroethane	111		114		50-151	3		30
1,1-Dichloroethene	116		112		65-135	4		30
trans-1,2-Dichloroethene	111		109		70-130	2		30
Trichloroethene	104		104		70-130	0		30
1,2-Dichlorobenzene	97		97		70-130	0		30
1,3-Dichlorobenzene	99		98		70-130	1		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	104		103		66-130	1		30
p/m-Xylene	100		100		70-130	0		30
o-Xylene	98		98		70-130	0		30
cis-1,2-Dichloroethene	106		105		70-130	1		30
Dibromomethane	99		100		70-130	1		30
Styrene	97		97		70-130	0		30
Dichlorodifluoromethane	97		95		30-146	2		30
Acetone	106		109		54-140	3		30
Carbon disulfide	105		102		59-130	3		30
2-Butanone	105		104		70-130	1		30
Vinyl acetate	100		99		70-130	1		30
4-Methyl-2-pentanone	98		97		70-130	1		30
1,2,3-Trichloropropane	95		94		68-130	1		30
2-Hexanone	94		93		70-130	1		30
Bromochloromethane	103		103		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 07 Batch: WG1248563-3 WG1248563-4								
2,2-Dichloropropane	110		108		70-130	2		30
1,2-Dibromoethane	97		96		70-130	1		30
1,3-Dichloropropane	100		100		69-130	0		30
1,1,1,2-Tetrachloroethane	99		99		70-130	0		30
Bromobenzene	99		99		70-130	0		30
n-Butylbenzene	102		102		70-130	0		30
sec-Butylbenzene	104		103		70-130	1		30
tert-Butylbenzene	101		102		70-130	1		30
o-Chlorotoluene	101		99		70-130	2		30
p-Chlorotoluene	100		98		70-130	2		30
1,2-Dibromo-3-chloropropane	82		83		68-130	1		30
Hexachlorobutadiene	98		98		67-130	0		30
Isopropylbenzene	103		102		70-130	1		30
p-Isopropyltoluene	102		102		70-130	0		30
Naphthalene	97		94		70-130	3		30
Acrylonitrile	102		101		70-130	1		30
n-Propylbenzene	103		102		70-130	1		30
1,2,3-Trichlorobenzene	98		98		70-130	0		30
1,2,4-Trichlorobenzene	98		96		70-130	2		30
1,3,5-Trimethylbenzene	101		100		70-130	1		30
1,2,4-Trimethylbenzene	100		100		70-130	0		30
1,4-Dioxane	72		73		65-136	1		30
p-Diethylbenzene	100		99		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRUXAL FARMS, EAST HAMPTON, NY

Lab Number: L1924539

Project Number: 170446801

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 07 Batch: WG1248563-3 WG1248563-4								
p-Ethyltoluene	103		102		70-130	1		30
1,2,4,5-Tetramethylbenzene	98		98		70-130	0		30
Ethyl ether	105		106		67-130	1		30
trans-1,4-Dichloro-2-butene	97		95		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		96		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	103		101		70-130
Dibromofluoromethane	99		99		70-130

SEMIVOLATILES

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-08
Client ID: SOCOMP01
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:40
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/12/19 08:13
Analyst: RC
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 06/11/19 19:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	24.	1
1,2,4-Trichlorobenzene	ND		ug/kg	230	26.	1
Hexachlorobenzene	ND		ug/kg	140	26.	1
Bis(2-chloroethyl)ether	ND		ug/kg	210	31.	1
2-Chloronaphthalene	ND		ug/kg	230	23.	1
1,2-Dichlorobenzene	ND		ug/kg	230	41.	1
1,3-Dichlorobenzene	ND		ug/kg	230	40.	1
1,4-Dichlorobenzene	ND		ug/kg	230	40.	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	61.	1
2,4-Dinitrotoluene	ND		ug/kg	230	46.	1
2,6-Dinitrotoluene	ND		ug/kg	230	40.	1
Fluoranthene	44	J	ug/kg	140	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	230	25.	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	35.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	280	39.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	250	23.	1
Hexachlorobutadiene	ND		ug/kg	230	34.	1
Hexachlorocyclopentadiene	ND		ug/kg	660	210	1
Hexachloroethane	ND		ug/kg	180	37.	1
Isophorone	ND		ug/kg	210	30.	1
Naphthalene	ND		ug/kg	230	28.	1
Nitrobenzene	ND		ug/kg	210	34.	1
NDPA/DPA	ND		ug/kg	180	26.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	230	36.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	230	80.	1
Butyl benzyl phthalate	ND		ug/kg	230	58.	1
Di-n-butylphthalate	ND		ug/kg	230	44.	1
Di-n-octylphthalate	ND		ug/kg	230	78.	1

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-08
Client ID: SOCOMP01
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:40
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	230	21.	1
Dimethyl phthalate	ND		ug/kg	230	48.	1
Benzo(a)anthracene	26	J	ug/kg	140	26.	1
Benzo(a)pyrene	ND		ug/kg	180	56.	1
Benzo(b)fluoranthene	ND		ug/kg	140	39.	1
Benzo(k)fluoranthene	ND		ug/kg	140	37.	1
Chrysene	28	J	ug/kg	140	24.	1
Acenaphthylene	ND		ug/kg	180	36.	1
Anthracene	ND		ug/kg	140	45.	1
Benzo(ghi)perylene	ND		ug/kg	180	27.	1
Fluorene	ND		ug/kg	230	22.	1
Phenanthrene	ND		ug/kg	140	28.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	27.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	32.	1
Pyrene	37	J	ug/kg	140	23.	1
Biphenyl	ND		ug/kg	520	53.	1
4-Chloroaniline	ND		ug/kg	230	42.	1
2-Nitroaniline	ND		ug/kg	230	44.	1
3-Nitroaniline	ND		ug/kg	230	43.	1
4-Nitroaniline	ND		ug/kg	230	95.	1
Dibenzofuran	ND		ug/kg	230	22.	1
2-Methylnaphthalene	ND		ug/kg	280	28.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	230	24.	1
Acetophenone	ND		ug/kg	230	28.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	44.	1
p-Chloro-m-cresol	ND		ug/kg	230	34.	1
2-Chlorophenol	ND		ug/kg	230	27.	1
2,4-Dichlorophenol	ND		ug/kg	210	37.	1
2,4-Dimethylphenol	ND		ug/kg	230	76.	1
2-Nitrophenol	ND		ug/kg	500	87.	1
4-Nitrophenol	ND		ug/kg	320	94.	1
2,4-Dinitrophenol	ND		ug/kg	1100	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	600	110	1
Pentachlorophenol	ND		ug/kg	180	51.	1
Phenol	ND		ug/kg	230	35.	1
2-Methylphenol	ND		ug/kg	230	36.	1
3-Methylphenol/4-Methylphenol	42	J	ug/kg	330	36.	1

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-08
Client ID: SOCOMP01
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:40
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	230	44.	1
Benzoic Acid	ND		ug/kg	750	230	1
Benzyl Alcohol	ND		ug/kg	230	70.	1
Carbazole	ND		ug/kg	230	22.	1
1,4-Dioxane	ND		ug/kg	34	10.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	78		18-120

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-08
Client ID: SOCOMP01
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:40
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 06/17/19 16:02
Analyst: AJ
Percent Solids: 72%

Extraction Method: EPA 537(M)
Extraction Date: 06/13/19 17:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.057	J	ug/kg	1.03	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.03	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.03	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.03	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.03	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.03	0.062	1
Perfluorooctanoic Acid (PFOA)	0.166	J	ug/kg	1.03	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.03	0.184	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.03	0.140	1
Perfluorononanoic Acid (PFNA)	0.140	J	ug/kg	1.03	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	0.434	J	ug/kg	1.03	0.134	1
Perfluorodecanoic Acid (PFDA)	0.124	J	ug/kg	1.03	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.03	0.295	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.03	0.207	1
Perfluoroundecanoic Acid (PFUnA)	0.107	J	ug/kg	1.03	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.03	0.157	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.03	0.101	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.03	0.087	1
Perfluorododecanoic Acid (PFDoA)	0.079	J	ug/kg	1.03	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.03	0.210	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.03	0.056	1
PFOA/PFOS, Total	0.600	J	ug/kg	1.03	0.043	1

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-08
Client ID: SOCOMP01
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:40
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	100		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	103		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	113		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	99		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	122		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	116		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	116		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	103		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	128		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	74		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	118		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	1		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	98		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	86		26-160

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-09
Client ID: SOCOMP02
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:50
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/12/19 08:39
Analyst: RC
Percent Solids: 70%

Extraction Method: EPA 3546
Extraction Date: 06/11/19 19:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	190	24.	1
1,2,4-Trichlorobenzene	ND		ug/kg	230	27.	1
Hexachlorobenzene	ND		ug/kg	140	26.	1
Bis(2-chloroethyl)ether	ND		ug/kg	210	32.	1
2-Chloronaphthalene	ND		ug/kg	230	23.	1
1,2-Dichlorobenzene	ND		ug/kg	230	42.	1
1,3-Dichlorobenzene	ND		ug/kg	230	40.	1
1,4-Dichlorobenzene	ND		ug/kg	230	41.	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	62.	1
2,4-Dinitrotoluene	ND		ug/kg	230	46.	1
2,6-Dinitrotoluene	ND		ug/kg	230	40.	1
Fluoranthene	ND		ug/kg	140	27.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	230	25.	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	36.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	280	40.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	250	23.	1
Hexachlorobutadiene	ND		ug/kg	230	34.	1
Hexachlorocyclopentadiene	ND		ug/kg	660	210	1
Hexachloroethane	ND		ug/kg	190	38.	1
Isophorone	ND		ug/kg	210	30.	1
Naphthalene	ND		ug/kg	230	28.	1
Nitrobenzene	ND		ug/kg	210	34.	1
NDPA/DPA	ND		ug/kg	190	26.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	230	36.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	230	80.	1
Butyl benzyl phthalate	ND		ug/kg	230	59.	1
Di-n-butylphthalate	ND		ug/kg	230	44.	1
Di-n-octylphthalate	ND		ug/kg	230	79.	1

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-09
Client ID: SOCOMP02
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:50
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	230	22.	1
Dimethyl phthalate	ND		ug/kg	230	49.	1
Benzo(a)anthracene	ND		ug/kg	140	26.	1
Benzo(a)pyrene	ND		ug/kg	190	57.	1
Benzo(b)fluoranthene	ND		ug/kg	140	39.	1
Benzo(k)fluoranthene	ND		ug/kg	140	37.	1
Chrysene	24	J	ug/kg	140	24.	1
Acenaphthylene	ND		ug/kg	190	36.	1
Anthracene	ND		ug/kg	140	45.	1
Benzo(ghi)perylene	ND		ug/kg	190	27.	1
Fluorene	ND		ug/kg	230	23.	1
Phenanthrene	ND		ug/kg	140	28.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	27.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	190	32.	1
Pyrene	ND		ug/kg	140	23.	1
Biphenyl	ND		ug/kg	530	54.	1
4-Chloroaniline	ND		ug/kg	230	42.	1
2-Nitroaniline	ND		ug/kg	230	45.	1
3-Nitroaniline	ND		ug/kg	230	44.	1
4-Nitroaniline	ND		ug/kg	230	96.	1
Dibenzofuran	ND		ug/kg	230	22.	1
2-Methylnaphthalene	ND		ug/kg	280	28.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	230	24.	1
Acetophenone	ND		ug/kg	230	29.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	44.	1
p-Chloro-m-cresol	ND		ug/kg	230	35.	1
2-Chlorophenol	ND		ug/kg	230	28.	1
2,4-Dichlorophenol	ND		ug/kg	210	37.	1
2,4-Dimethylphenol	ND		ug/kg	230	77.	1
2-Nitrophenol	ND		ug/kg	500	88.	1
4-Nitrophenol	ND		ug/kg	320	95.	1
2,4-Dinitrophenol	ND		ug/kg	1100	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	600	110	1
Pentachlorophenol	ND		ug/kg	190	51.	1
Phenol	ND		ug/kg	230	35.	1
2-Methylphenol	ND		ug/kg	230	36.	1
3-Methylphenol/4-Methylphenol	55	J	ug/kg	340	36.	1

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-09
Client ID: SOCOMP02
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:50
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	230	44.	1
Benzoic Acid	ND		ug/kg	750	240	1
Benzyl Alcohol	ND		ug/kg	230	71.	1
Carbazole	ND		ug/kg	230	23.	1
1,4-Dioxane	ND		ug/kg	35	11.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	74		18-120

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-09
Client ID: SOCOMP02
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:50
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 122,537(M)
Analytical Date: 06/17/19 16:18
Analyst: AJ
Percent Solids: 70%

Extraction Method: EPA 537(M)
Extraction Date: 06/13/19 17:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.074	J	ug/kg	1.15	0.026	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.15	0.053	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.15	0.045	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.15	0.060	1
Perfluoroheptanoic Acid (PFHpA)	0.070	J	ug/kg	1.15	0.052	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.15	0.070	1
Perfluorooctanoic Acid (PFOA)	0.210	J	ug/kg	1.15	0.048	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.15	0.206	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.15	0.157	1
Perfluorononanoic Acid (PFNA)	0.140	J	ug/kg	1.15	0.086	1
Perfluorooctanesulfonic Acid (PFOS)	0.654	J	ug/kg	1.15	0.150	1
Perfluorodecanoic Acid (PFDA)	0.156	J	ug/kg	1.15	0.077	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.15	0.330	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.15	0.232	1
Perfluoroundecanoic Acid (PFUnA)	0.110	J	ug/kg	1.15	0.054	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.15	0.176	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.15	0.113	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.15	0.097	1
Perfluorododecanoic Acid (PFDoA)	0.097	J	ug/kg	1.15	0.081	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.15	0.235	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.15	0.062	1
PFOA/PFOS, Total	0.864	J	ug/kg	1.15	0.048	1

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-09
Client ID: SOCOMP02
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:50
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	81		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	86		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	113		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	85		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	128		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	94		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	94		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	110		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	66		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	124		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	11		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	103		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	114		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	95		26-160

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/12/19 04:48
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 06/11/19 19:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG1247131-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/12/19 04:48
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 06/11/19 19:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG1247131-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	22.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	29.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	140	26.
2,4-Dimethylphenol	ND		ug/kg	160	53.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/12/19 04:48
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 06/11/19 19:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG1247131-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	66		10-136
4-Terphenyl-d14	69		18-120

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 06/17/19 09:57
Analyst: AJ

Extraction Method: EPA 537(M)
Extraction Date: 06/13/19 17:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 08-09 Batch: WG1248063-1					
Perfluorobutanoic Acid (PFBA)	0.075	J	ug/kg	1.00	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.00	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.00	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.00	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.00	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.00	0.061
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.00	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.202	J	ug/kg	1.00	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.00	0.136
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.00	0.075
Perfluorooctanesulfonic Acid (PFOS)	0.167	J	ug/kg	1.00	0.130
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.00	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.00	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.00	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.00	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.00	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.00	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.00	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.00	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.00	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.00	0.054
PFOA/PFOS, Total	0.167	J	ug/kg	1.00	0.042

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

Method Blank Analysis Batch Quality Control

Analytical Method: 122,537(M)
 Analytical Date: 06/17/19 09:57
 Analyst: AJ

Extraction Method: EPA 537(M)
 Extraction Date: 06/13/19 17:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 08-09 Batch: WG1248063-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	81		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	112		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	100		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	96		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	109		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	93		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	51		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	105		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	96		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	51		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	85		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	115		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	0	Q	1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	76		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	97		26-160

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRUXAL FARMS, EAST HAMPTON, NY

Project Number: 170446801

Lab Number: L1924539

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG1247131-2 WG1247131-3								
Acenaphthene	85		78		31-137	9		50
1,2,4-Trichlorobenzene	73		66		38-107	10		50
Hexachlorobenzene	81		77		40-140	5		50
Bis(2-chloroethyl)ether	77		65		40-140	17		50
2-Chloronaphthalene	82		74		40-140	10		50
1,2-Dichlorobenzene	70		62		40-140	12		50
1,3-Dichlorobenzene	68		59		40-140	14		50
1,4-Dichlorobenzene	71		60		28-104	17		50
3,3'-Dichlorobenzidine	74		73		40-140	1		50
2,4-Dinitrotoluene	94		88		40-132	7		50
2,6-Dinitrotoluene	91		85		40-140	7		50
Fluoranthene	92		85		40-140	8		50
4-Chlorophenyl phenyl ether	86		79		40-140	8		50
4-Bromophenyl phenyl ether	90		82		40-140	9		50
Bis(2-chloroisopropyl)ether	75		67		40-140	11		50
Bis(2-chloroethoxy)methane	83		75		40-117	10		50
Hexachlorobutadiene	78		69		40-140	12		50
Hexachlorocyclopentadiene	93		82		40-140	13		50
Hexachloroethane	77		66		40-140	15		50
Isophorone	89		80		40-140	11		50
Naphthalene	77		67		40-140	14		50
Nitrobenzene	94		83		40-140	12		50
NDPA/DPA	92		85		36-157	8		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: TRUXAL FARMS, EAST HAMPTON, NY

Lab Number: L1924539

Project Number: 170446801

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG1247131-2 WG1247131-3								
n-Nitrosodi-n-propylamine	91		81		32-121	12		50
Bis(2-ethylhexyl)phthalate	97		90		40-140	7		50
Butyl benzyl phthalate	99		92		40-140	7		50
Di-n-butylphthalate	98		90		40-140	9		50
Di-n-octylphthalate	100		93		40-140	7		50
Diethyl phthalate	96		89		40-140	8		50
Dimethyl phthalate	91		85		40-140	7		50
Benzo(a)anthracene	89		83		40-140	7		50
Benzo(a)pyrene	98		91		40-140	7		50
Benzo(b)fluoranthene	91		86		40-140	6		50
Benzo(k)fluoranthene	96		89		40-140	8		50
Chrysene	88		82		40-140	7		50
Acenaphthylene	90		82		40-140	9		50
Anthracene	88		81		40-140	8		50
Benzo(ghi)perylene	92		85		40-140	8		50
Fluorene	89		83		40-140	7		50
Phenanthrene	84		77		40-140	9		50
Dibenzo(a,h)anthracene	89		83		40-140	7		50
Indeno(1,2,3-cd)pyrene	94		88		40-140	7		50
Pyrene	91		84		35-142	8		50
Biphenyl	81		74		54-104	9		50
4-Chloroaniline	89		83		40-140	7		50
2-Nitroaniline	104		94		47-134	10		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: TRUXAL FARMS, EAST HAMPTON, NY

Lab Number: L1924539

Project Number: 170446801

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG1247131-2 WG1247131-3								
3-Nitroaniline	80		76		26-129	5		50
4-Nitroaniline	97		90		41-125	7		50
Dibenzofuran	88		80		40-140	10		50
2-Methylnaphthalene	81		73		40-140	10		50
1,2,4,5-Tetrachlorobenzene	74		65		40-117	13		50
Acetophenone	78		70		14-144	11		50
2,4,6-Trichlorophenol	94		86		30-130	9		50
p-Chloro-m-cresol	102		92		26-103	10		50
2-Chlorophenol	82		72		25-102	13		50
2,4-Dichlorophenol	89		82		30-130	8		50
2,4-Dimethylphenol	96		85		30-130	12		50
2-Nitrophenol	101		90		30-130	12		50
4-Nitrophenol	95		88		11-114	8		50
2,4-Dinitrophenol	87		86		4-130	1		50
4,6-Dinitro-o-cresol	103		98		10-130	5		50
Pentachlorophenol	91		84		17-109	8		50
Phenol	84		77		26-90	9		50
2-Methylphenol	87		79		30-130	10		50
3-Methylphenol/4-Methylphenol	88		80		30-130	10		50
2,4,5-Trichlorophenol	97		87		30-130	11		50
Benzoic Acid	45		43		10-110	5		50
Benzyl Alcohol	93		84		40-140	10		50
Carbazole	91		84		54-128	8		50

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TRUXAL FARMS, EAST HAMPTON, NY**Lab Number:** L1924539**Project Number:** 170446801**Report Date:** 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG1247131-2 WG1247131-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	82		72		25-120
Phenol-d6	84		74		10-120
Nitrobenzene-d5	102		89		23-120
2-Fluorobiphenyl	88		77		30-120
2,4,6-Tribromophenol	97		86		10-136
4-Terphenyl-d14	90		82		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRUXAL FARMS, EAST HAMPTON, NY

Project Number: 170446801

Lab Number: L1924539

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 08-09 Batch: WG1248063-2 WG1248063-3								
Perfluorobutanoic Acid (PFBA)	93		94		71-135	1		30
Perfluoropentanoic Acid (PFPeA)	92		94		69-132	2		30
Perfluorobutanesulfonic Acid (PFBS)	88		95		72-128	8		30
Perfluorohexanoic Acid (PFHxA)	107		108		70-132	1		30
Perfluoroheptanoic Acid (PFHpA)	96		100		71-131	4		30
Perfluorohexanesulfonic Acid (PFHxS)	96		97		67-130	1		30
Perfluorooctanoic Acid (PFOA)	97		102		69-133	5		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	81		86		64-140	6		30
Perfluoroheptanesulfonic Acid (PFHpS)	101		105		70-132	4		30
Perfluorononanoic Acid (PFNA)	102		108		72-129	6		30
Perfluorooctanesulfonic Acid (PFOS)	85		89		68-136	5		30
Perfluorodecanoic Acid (PFDA)	107		102		69-133	5		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	88		92		65-137	4		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	89		97		63-144	9		30
Perfluoroundecanoic Acid (PFUnA)	90		89		64-136	1		30
Perfluorodecanesulfonic Acid (PFDS)	120		125		59-134	4		30
Perfluorooctanesulfonamide (FOSA)	112		85		67-137	27		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	112		97		61-139	14		30
Perfluorododecanoic Acid (PFDoA)	101		110		69-135	9		30
Perfluorotridecanoic Acid (PFTrDA)	104		110		66-139	6		30
Perfluorotetradecanoic Acid (PFTA)	119		113		69-133	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRUXAL FARMS, EAST HAMPTON, NY

Lab Number: L1924539

Project Number: 170446801

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 08-09 Batch: WG1248063-2 WG1248063-3

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	79		83		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	80		83		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		92		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	90		94		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		89		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	116		107		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	84		85		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	46		44		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	82		80		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100		90		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88		93		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	48		45		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	86		83		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		103		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	0	Q	0	Q	1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	63		79		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97		101		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	84		91		26-160

PCBS

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-08
Client ID: SOCOMP01
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:40
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/14/19 07:35
Analyst: KB
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 06/11/19 18:11
Cleanup Method: EPA 3665A
Cleanup Date: 06/12/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/12/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	44.2	3.93	1	A
Aroclor 1221	ND		ug/kg	44.2	4.43	1	A
Aroclor 1232	ND		ug/kg	44.2	9.38	1	A
Aroclor 1242	ND		ug/kg	44.2	5.96	1	A
Aroclor 1248	ND		ug/kg	44.2	6.63	1	A
Aroclor 1254	ND		ug/kg	44.2	4.84	1	A
Aroclor 1260	ND		ug/kg	44.2	8.17	1	A
Aroclor 1262	ND		ug/kg	44.2	5.62	1	A
Aroclor 1268	ND		ug/kg	44.2	4.58	1	A
PCBs, Total	ND		ug/kg	44.2	3.93	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-09
Client ID: SOCOMP02
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:50
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/14/19 07:48
Analyst: KB
Percent Solids: 70%

Extraction Method: EPA 3546
Extraction Date: 06/11/19 18:11
Cleanup Method: EPA 3665A
Cleanup Date: 06/12/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/12/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	46.3	4.11	1	A
Aroclor 1221	ND		ug/kg	46.3	4.64	1	A
Aroclor 1232	ND		ug/kg	46.3	9.82	1	A
Aroclor 1242	ND		ug/kg	46.3	6.24	1	A
Aroclor 1248	ND		ug/kg	46.3	6.95	1	A
Aroclor 1254	ND		ug/kg	46.3	5.07	1	A
Aroclor 1260	ND		ug/kg	46.3	8.56	1	A
Aroclor 1262	ND		ug/kg	46.3	5.88	1	A
Aroclor 1268	ND		ug/kg	46.3	4.80	1	A
PCBs, Total	ND		ug/kg	46.3	4.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 06/14/19 04:20
 Analyst: KB

Extraction Method: EPA 3546
 Extraction Date: 06/11/19 18:11
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/12/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/12/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 08-09 Batch: WG1247113-1						
Aroclor 1016	ND		ug/kg	31.4	2.79	A
Aroclor 1221	ND		ug/kg	31.4	3.14	A
Aroclor 1232	ND		ug/kg	31.4	6.65	A
Aroclor 1242	ND		ug/kg	31.4	4.23	A
Aroclor 1248	ND		ug/kg	31.4	4.71	A
Aroclor 1254	ND		ug/kg	31.4	3.43	A
Aroclor 1260	ND		ug/kg	31.4	5.80	A
Aroclor 1262	ND		ug/kg	31.4	3.99	A
Aroclor 1268	ND		ug/kg	31.4	3.25	A
PCBs, Total	ND		ug/kg	31.4	2.79	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	73		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRUXAL FARMS, EAST HAMPTON, NY

Lab Number: L1924539

Project Number: 170446801

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 08-09 Batch: WG1247113-2 WG1247113-3									
Aroclor 1016	86		90		40-140	5		50	A
Aroclor 1260	74		78		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		85		30-150	A
Decachlorobiphenyl	63		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		77		30-150	B
Decachlorobiphenyl	70		73		30-150	B

PESTICIDES

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-08
Client ID: SOCOMP01
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:40
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/13/19 12:29
Analyst: BM
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 06/10/19 18:48
Cleanup Method: EPA 3620B
Cleanup Date: 06/12/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.13	0.418	1	A
Lindane	ND		ug/kg	0.888	0.397	1	A
Alpha-BHC	ND		ug/kg	0.888	0.252	1	A
Beta-BHC	ND		ug/kg	2.13	0.808	1	A
Heptachlor	ND		ug/kg	1.07	0.478	1	A
Aldrin	ND		ug/kg	2.13	0.751	1	A
Heptachlor epoxide	ND		ug/kg	4.00	1.20	1	A
Endrin	ND		ug/kg	0.888	0.364	1	A
Endrin aldehyde	ND		ug/kg	2.66	0.933	1	A
Endrin ketone	ND		ug/kg	2.13	0.549	1	A
Dieldrin	0.928	JIP	ug/kg	1.33	0.666	1	B
4,4'-DDE	31.4		ug/kg	2.13	0.493	1	A
4,4'-DDD	4.04	IP	ug/kg	2.13	0.761	1	B
4,4'-DDT	15.3		ug/kg	4.00	1.71	1	A
Endosulfan I	ND		ug/kg	2.13	0.504	1	A
Endosulfan II	ND		ug/kg	2.13	0.713	1	A
Endosulfan sulfate	ND		ug/kg	0.888	0.423	1	A
Methoxychlor	ND		ug/kg	4.00	1.24	1	A
Toxaphene	ND		ug/kg	40.0	11.2	1	A
cis-Chlordane	2.40	JIP	ug/kg	2.66	0.743	1	B
trans-Chlordane	2.09	JIP	ug/kg	2.66	0.704	1	B
Chlordane	ND		ug/kg	17.3	7.06	1	A

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-08
Client ID: SOCOMP01
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:40
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	54		30-150	B
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	51		30-150	A

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-08
Client ID: SOCOMP01
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:40
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/14/19 01:54
Analyst: KEG
Percent Solids: 72%
Methylation Date: 06/11/19 19:10

Extraction Method: EPA 8151A
Extraction Date: 06/10/19 08:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	227	14.3	1	A
2,4,5-T	ND		ug/kg	227	7.04	1	A
2,4,5-TP (Silvex)	ND		ug/kg	227	6.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	78		30-150	B

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-09
Client ID: SOCOMP02
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:50
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/13/19 12:41
Analyst: BM
Percent Solids: 70%

Extraction Method: EPA 3546
Extraction Date: 06/10/19 18:48
Cleanup Method: EPA 3620B
Cleanup Date: 06/12/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.22	0.435	1	A
Lindane	ND		ug/kg	0.926	0.414	1	A
Alpha-BHC	ND		ug/kg	0.926	0.263	1	A
Beta-BHC	ND		ug/kg	2.22	0.842	1	A
Heptachlor	ND		ug/kg	1.11	0.498	1	A
Aldrin	ND		ug/kg	2.22	0.782	1	A
Heptachlor epoxide	ND		ug/kg	4.16	1.25	1	A
Endrin	ND		ug/kg	0.926	0.380	1	A
Endrin aldehyde	ND		ug/kg	2.78	0.972	1	A
Endrin ketone	ND		ug/kg	2.22	0.572	1	A
Dieldrin	2.86		ug/kg	1.39	0.694	1	A
4,4'-DDE	35.8		ug/kg	2.22	0.514	1	A
4,4'-DDD	7.40		ug/kg	2.22	0.792	1	A
4,4'-DDT	19.1		ug/kg	4.16	1.79	1	A
Endosulfan I	ND		ug/kg	2.22	0.525	1	A
Endosulfan II	ND		ug/kg	2.22	0.742	1	A
Endosulfan sulfate	ND		ug/kg	0.926	0.441	1	A
Methoxychlor	ND		ug/kg	4.16	1.30	1	A
Toxaphene	ND		ug/kg	41.6	11.7	1	A
cis-Chlordane	3.58	IP	ug/kg	2.78	0.774	1	B
trans-Chlordane	3.26	IP	ug/kg	2.78	0.733	1	B
Chlordane	ND		ug/kg	18.0	7.36	1	A

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-09
Client ID: SOCOMP02
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:50
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	61		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	52		30-150	A

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-09
Client ID: SOCOMP02
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:50
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/14/19 02:12
Analyst: KEG
Percent Solids: 70%
Methylation Date: 06/11/19 19:10

Extraction Method: EPA 8151A
Extraction Date: 06/10/19 08:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	237	14.9	1	A
2,4,5-T	ND		ug/kg	237	7.35	1	A
2,4,5-TP (Silvex)	ND		ug/kg	237	6.30	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	80		30-150	B

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 06/12/19 17:56
Analyst: DGM

Extraction Method: EPA 8151A
Extraction Date: 06/10/19 08:42

Methylation Date: 06/11/19 19:10

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 08-09 Batch: WG1246430-1						
2,4-D	ND		ug/kg	163	10.2	A
2,4,5-T	ND		ug/kg	163	5.04	A
2,4,5-TP (Silvex)	ND		ug/kg	163	4.33	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	76		30-150	A
DCAA	74		30-150	B

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8081B
Analytical Date: 06/13/19 09:47
Analyst: BM

Extraction Method: EPA 3546
Extraction Date: 06/10/19 18:47
Cleanup Method: EPA 3620B
Cleanup Date: 06/11/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08-09 Batch: WG1246652-1						
Delta-BHC	ND		ug/kg	1.55	0.304	A
Lindane	ND		ug/kg	0.646	0.289	A
Alpha-BHC	ND		ug/kg	0.646	0.183	A
Beta-BHC	ND		ug/kg	1.55	0.588	A
Heptachlor	ND		ug/kg	0.775	0.348	A
Aldrin	ND		ug/kg	1.55	0.546	A
Heptachlor epoxide	ND		ug/kg	2.91	0.872	A
Endrin	ND		ug/kg	0.646	0.265	A
Endrin aldehyde	ND		ug/kg	1.94	0.678	A
Endrin ketone	ND		ug/kg	1.55	0.399	A
Dieldrin	ND		ug/kg	0.969	0.484	A
4,4'-DDE	ND		ug/kg	1.55	0.358	A
4,4'-DDD	ND		ug/kg	1.55	0.553	A
4,4'-DDT	ND		ug/kg	2.91	1.25	A
Endosulfan I	ND		ug/kg	1.55	0.366	A
Endosulfan II	ND		ug/kg	1.55	0.518	A
Endosulfan sulfate	ND		ug/kg	0.646	0.307	A
Methoxychlor	ND		ug/kg	2.91	0.904	A
Toxaphene	ND		ug/kg	29.1	8.14	A
cis-Chlordane	ND		ug/kg	1.94	0.540	A
trans-Chlordane	ND		ug/kg	1.94	0.512	A
Chlordane	ND		ug/kg	12.6	5.14	A

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 06/13/19 09:47
 Analyst: BM

Extraction Method: EPA 3546
 Extraction Date: 06/10/19 18:47
 Cleanup Method: EPA 3620B
 Cleanup Date: 06/11/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08-09 Batch: WG1246652-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	135		30-150	B
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	78		30-150	A

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TRUXAL FARMS, EAST HAMPTON, NY**Project Number:** 170446801**Lab Number:** L1924539**Report Date:** 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 08-09 Batch: WG1246430-2 WG1246430-3									
2,4-D	95		97		30-150	2		30	A
2,4,5-T	90		93		30-150	3		30	A
2,4,5-TP (Silvex)	100		90		30-150	11		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	83		79		30-150	A
DCAA	84		77		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRUXAL FARMS, EAST HAMPTON, NY

Project Number: 170446801

Lab Number: L1924539

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08-09 Batch: WG1246652-2 WG1246652-3									
Delta-BHC	89		95		30-150	7		30	A
Lindane	87		92		30-150	6		30	A
Alpha-BHC	88		93		30-150	6		30	A
Beta-BHC	82		87		30-150	6		30	A
Heptachlor	73		75		30-150	3		30	A
Aldrin	76		81		30-150	6		30	A
Heptachlor epoxide	83		87		30-150	5		30	A
Endrin	86		93		30-150	8		30	A
Endrin aldehyde	58		61		30-150	5		30	A
Endrin ketone	75		80		30-150	6		30	A
Dieldrin	85		92		30-150	8		30	A
4,4'-DDE	81		88		30-150	8		30	A
4,4'-DDD	87		94		30-150	8		30	A
4,4'-DDT	88		95		30-150	8		30	A
Endosulfan I	73		78		30-150	7		30	A
Endosulfan II	81		86		30-150	6		30	A
Endosulfan sulfate	66		70		30-150	6		30	A
Methoxychlor	72		75		30-150	4		30	A
cis-Chlordane	76		80		30-150	5		30	A
trans-Chlordane	79		83		30-150	5		30	A

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TRUXAL FARMS, EAST HAMPTON, NY**Lab Number:** L1924539**Project Number:** 170446801**Report Date:** 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08-09 Batch: WG1246652-2 WG1246652-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		96		30-150	B
Decachlorobiphenyl	100		110		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		83		30-150	A
Decachlorobiphenyl	73		77		30-150	A

METALS

Project Name: TRUXAL FARMS, EAST HAMPTON, NY**Lab Number:** L1924539**Project Number:** 170446801**Report Date:** 06/19/19**SAMPLE RESULTS**

Lab ID: L1924539-08

Date Collected: 06/07/19 12:40

Client ID: SOCOMP01

Date Received: 06/07/19

Sample Location: EAST HAMPTON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5750		mg/kg	10.7	2.88	2	06/12/19 22:10	06/13/19 19:13	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	5.33	0.405	2	06/12/19 22:10	06/13/19 19:13	EPA 3050B	1,6010D	AB
Arsenic, Total	12.4		mg/kg	1.07	0.222	2	06/12/19 22:10	06/13/19 19:13	EPA 3050B	1,6010D	AB
Barium, Total	31.5		mg/kg	1.07	0.186	2	06/12/19 22:10	06/13/19 19:13	EPA 3050B	1,6010D	AB
Beryllium, Total	0.160	J	mg/kg	0.533	0.035	2	06/12/19 22:10	06/13/19 19:13	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	1.07	0.104	2	06/12/19 22:10	06/13/19 19:13	EPA 3050B	1,6010D	AB
Calcium, Total	2260		mg/kg	10.7	3.73	2	06/12/19 22:10	06/13/19 19:13	EPA 3050B	1,6010D	AB
Chromium, Total	8.16		mg/kg	1.07	0.102	2	06/12/19 22:10	06/13/19 19:13	EPA 3050B	1,6010D	AB
Cobalt, Total	2.03	J	mg/kg	2.13	0.177	2	06/12/19 22:10	06/13/19 19:13	EPA 3050B	1,6010D	AB
Copper, Total	30.1		mg/kg	1.07	0.275	2	06/12/19 22:10	06/13/19 19:13	EPA 3050B	1,6010D	AB
Iron, Total	7250		mg/kg	5.33	0.963	2	06/12/19 22:10	06/13/19 19:13	EPA 3050B	1,6010D	AB
Lead, Total	53.7		mg/kg	5.33	0.286	2	06/12/19 22:10	06/13/19 19:13	EPA 3050B	1,6010D	AB
Magnesium, Total	944		mg/kg	10.7	1.64	2	06/12/19 22:10	06/13/19 19:13	EPA 3050B	1,6010D	AB
Manganese, Total	105		mg/kg	1.07	0.170	2	06/12/19 22:10	06/13/19 19:13	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.101	0.066	1	06/13/19 15:03	06/13/19 18:00	EPA 7471B	1,7471B	EA
Nickel, Total	3.65		mg/kg	2.67	0.258	2	06/12/19 22:10	06/13/19 19:13	EPA 3050B	1,6010D	AB
Potassium, Total	648		mg/kg	267	15.4	2	06/12/19 22:10	06/13/19 19:13	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	2.13	0.275	2	06/12/19 22:10	06/13/19 19:13	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	1.07	0.302	2	06/12/19 22:10	06/13/19 19:13	EPA 3050B	1,6010D	AB
Sodium, Total	57.8	J	mg/kg	213	3.36	2	06/12/19 22:10	06/13/19 19:13	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	2.13	0.336	2	06/12/19 22:10	06/13/19 19:13	EPA 3050B	1,6010D	AB
Vanadium, Total	11.5		mg/kg	1.07	0.216	2	06/12/19 22:10	06/13/19 19:13	EPA 3050B	1,6010D	AB
Zinc, Total	47.2		mg/kg	5.33	0.312	2	06/12/19 22:10	06/13/19 19:13	EPA 3050B	1,6010D	AB
General Chemistry - Mansfield Lab											
Chromium, Trivalent	8.2		mg/kg	1.1	1.1	1		06/13/19 19:13	NA	107,-	



Project Name: TRUXAL FARMS, EAST HAMPTON, NY**Lab Number:** L1924539**Project Number:** 170446801**Report Date:** 06/19/19**SAMPLE RESULTS**

Lab ID: L1924539-09

Date Collected: 06/07/19 12:50

Client ID: SOCOMP02

Date Received: 06/07/19

Sample Location: EAST HAMPTON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5680		mg/kg	11.0	2.96	2	06/12/19 22:10	06/13/19 19:17	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	5.48	0.417	2	06/12/19 22:10	06/13/19 19:17	EPA 3050B	1,6010D	AB
Arsenic, Total	12.6		mg/kg	1.10	0.228	2	06/12/19 22:10	06/13/19 19:17	EPA 3050B	1,6010D	AB
Barium, Total	26.4		mg/kg	1.10	0.191	2	06/12/19 22:10	06/13/19 19:17	EPA 3050B	1,6010D	AB
Beryllium, Total	0.154	J	mg/kg	0.548	0.036	2	06/12/19 22:10	06/13/19 19:17	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	1.10	0.107	2	06/12/19 22:10	06/13/19 19:17	EPA 3050B	1,6010D	AB
Calcium, Total	2550		mg/kg	11.0	3.84	2	06/12/19 22:10	06/13/19 19:17	EPA 3050B	1,6010D	AB
Chromium, Total	7.82		mg/kg	1.10	0.105	2	06/12/19 22:10	06/13/19 19:17	EPA 3050B	1,6010D	AB
Cobalt, Total	1.98	J	mg/kg	2.19	0.182	2	06/12/19 22:10	06/13/19 19:17	EPA 3050B	1,6010D	AB
Copper, Total	28.9		mg/kg	1.10	0.283	2	06/12/19 22:10	06/13/19 19:17	EPA 3050B	1,6010D	AB
Iron, Total	6960		mg/kg	5.48	0.990	2	06/12/19 22:10	06/13/19 19:17	EPA 3050B	1,6010D	AB
Lead, Total	37.6		mg/kg	5.48	0.294	2	06/12/19 22:10	06/13/19 19:17	EPA 3050B	1,6010D	AB
Magnesium, Total	1100		mg/kg	11.0	1.69	2	06/12/19 22:10	06/13/19 19:17	EPA 3050B	1,6010D	AB
Manganese, Total	102		mg/kg	1.10	0.174	2	06/12/19 22:10	06/13/19 19:17	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.112	0.073	1	06/13/19 15:40	06/13/19 18:08	EPA 7471B	1,7471B	EA
Nickel, Total	3.50		mg/kg	2.74	0.265	2	06/12/19 22:10	06/13/19 19:17	EPA 3050B	1,6010D	AB
Potassium, Total	735		mg/kg	274	15.8	2	06/12/19 22:10	06/13/19 19:17	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	2.19	0.283	2	06/12/19 22:10	06/13/19 19:17	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	1.10	0.310	2	06/12/19 22:10	06/13/19 19:17	EPA 3050B	1,6010D	AB
Sodium, Total	52.6	J	mg/kg	219	3.45	2	06/12/19 22:10	06/13/19 19:17	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	2.19	0.345	2	06/12/19 22:10	06/13/19 19:17	EPA 3050B	1,6010D	AB
Vanadium, Total	11.1		mg/kg	1.10	0.222	2	06/12/19 22:10	06/13/19 19:17	EPA 3050B	1,6010D	AB
Zinc, Total	38.3		mg/kg	5.48	0.321	2	06/12/19 22:10	06/13/19 19:17	EPA 3050B	1,6010D	AB
General Chemistry - Mansfield Lab											
Chromium, Trivalent	7.8		mg/kg	1.1	1.1	1		06/13/19 19:17	NA	107,-	



Project Name: TRUXAL FARMS, EAST HAMPTON, NY

Lab Number: L1924539

Project Number: 170446801

Report Date: 06/19/19

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 08-09 Batch: WG1247619-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	06/12/19 22:10	06/13/19 17:12	1,6010D	AB
Antimony, Total	ND		mg/kg	2.00	0.152	1	06/12/19 22:10	06/13/19 17:12	1,6010D	AB
Arsenic, Total	ND		mg/kg	0.400	0.083	1	06/12/19 22:10	06/13/19 17:12	1,6010D	AB
Barium, Total	ND		mg/kg	0.400	0.070	1	06/12/19 22:10	06/13/19 17:12	1,6010D	AB
Beryllium, Total	ND		mg/kg	0.200	0.013	1	06/12/19 22:10	06/13/19 17:12	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.400	0.039	1	06/12/19 22:10	06/13/19 17:12	1,6010D	AB
Calcium, Total	ND		mg/kg	4.00	1.40	1	06/12/19 22:10	06/13/19 17:12	1,6010D	AB
Chromium, Total	ND		mg/kg	0.400	0.038	1	06/12/19 22:10	06/13/19 17:12	1,6010D	AB
Cobalt, Total	ND		mg/kg	0.800	0.066	1	06/12/19 22:10	06/13/19 17:12	1,6010D	AB
Copper, Total	ND		mg/kg	0.400	0.103	1	06/12/19 22:10	06/13/19 17:12	1,6010D	AB
Iron, Total	ND		mg/kg	2.00	0.361	1	06/12/19 22:10	06/13/19 17:12	1,6010D	AB
Lead, Total	ND		mg/kg	2.00	0.107	1	06/12/19 22:10	06/13/19 17:12	1,6010D	AB
Magnesium, Total	ND		mg/kg	4.00	0.616	1	06/12/19 22:10	06/13/19 17:12	1,6010D	AB
Manganese, Total	ND		mg/kg	0.400	0.064	1	06/12/19 22:10	06/13/19 17:12	1,6010D	AB
Nickel, Total	ND		mg/kg	1.00	0.097	1	06/12/19 22:10	06/13/19 17:12	1,6010D	AB
Potassium, Total	ND		mg/kg	100	5.76	1	06/12/19 22:10	06/13/19 17:12	1,6010D	AB
Selenium, Total	ND		mg/kg	0.800	0.103	1	06/12/19 22:10	06/13/19 17:12	1,6010D	AB
Silver, Total	ND		mg/kg	0.400	0.113	1	06/12/19 22:10	06/13/19 17:12	1,6010D	AB
Sodium, Total	4.72	J	mg/kg	80.0	1.26	1	06/12/19 22:10	06/13/19 17:12	1,6010D	AB
Thallium, Total	ND		mg/kg	0.800	0.126	1	06/12/19 22:10	06/13/19 17:12	1,6010D	AB
Vanadium, Total	ND		mg/kg	0.400	0.081	1	06/12/19 22:10	06/13/19 17:12	1,6010D	AB
Zinc, Total	ND		mg/kg	2.00	0.117	1	06/12/19 22:10	06/13/19 17:12	1,6010D	AB

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 08-09 Batch: WG1248134-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	06/13/19 15:03	06/13/19 17:56	1,7471B	EA



Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRUXAL FARMS, EAST HAMPTON, NY

Project Number: 170446801

Lab Number: L1924539

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08-09 Batch: WG1247619-2 SRM Lot Number: D105-540								
Aluminum, Total	60		-		51-149	-		
Antimony, Total	150		-		19-249	-		
Arsenic, Total	102		-		70-130	-		
Barium, Total	91		-		75-125	-		
Beryllium, Total	97		-		75-125	-		
Cadmium, Total	93		-		75-125	-		
Calcium, Total	89		-		73-127	-		
Chromium, Total	91		-		70-130	-		
Cobalt, Total	94		-		75-125	-		
Copper, Total	95		-		75-125	-		
Iron, Total	78		-		38-162	-		
Lead, Total	95		-		71-128	-		
Magnesium, Total	79		-		63-137	-		
Manganese, Total	88		-		76-124	-		
Nickel, Total	94		-		70-131	-		
Potassium, Total	75		-		60-140	-		
Selenium, Total	98		-		63-137	-		
Silver, Total	93		-		69-131	-		
Sodium, Total	98		-		37-162	-		
Thallium, Total	94		-		68-132	-		
Vanadium, Total	88		-		65-135	-		

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TRUXAL FARMS, EAST HAMPTON, NY**Project Number:** 170446801**Lab Number:** L1924539**Report Date:** 06/19/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08-09 Batch: WG1247619-2 SRM Lot Number: D105-540					
Zinc, Total	94	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 08-09 Batch: WG1248134-2 SRM Lot Number: D105-540					
Mercury, Total	98	-	60-141	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08-09 QC Batch ID: WG1247619-3 WG1247619-4 QC Sample: L1924424-01 Client ID: MS Sample												
Aluminum, Total	8340	198	9410	539	Q	10000	820	Q	75-125	6		20
Antimony, Total	ND	49.6	47.1	95		46.3	91		75-125	2		20
Arsenic, Total	1.62	11.9	14.9	112		14.4	105		75-125	3		20
Barium, Total	14.6	198	217	102		218	100		75-125	0		20
Beryllium, Total	0.164J	4.96	5.38	108		5.37	106		75-125	0		20
Cadmium, Total	ND	5.06	4.77	94		4.75	92		75-125	0		20
Calcium, Total	1060	992	2180	113		2160	109		75-125	1		20
Chromium, Total	10.8	19.8	31.5	104		31.8	104		75-125	1		20
Cobalt, Total	4.69	49.6	53.7	99		53.1	96		75-125	1		20
Copper, Total	16.1	24.8	42.4	106		41.8	102		75-125	1		20
Iron, Total	11600	99.2	12800	1210	Q	12500	889	Q	75-125	2		20
Lead, Total	9.69	50.6	60.6	100		58.6	95		75-125	3		20
Magnesium, Total	3160	992	4430	128	Q	4440	126	Q	75-125	0		20
Manganese, Total	91.2	49.6	150	118		148	112		75-125	1		20
Nickel, Total	12.2	49.6	60.9	98		60.0	94		75-125	1		20
Potassium, Total	531	992	1600	108		1680	113		75-125	5		20
Selenium, Total	ND	11.9	12.0	101		12.3	101		75-125	2		20
Silver, Total	ND	29.8	30.9	104		30.6	101		75-125	1		20
Sodium, Total	43.2J	992	1070	108		1070	106		75-125	0		20
Thallium, Total	ND	11.9	10.8	91		11.0	90		75-125	2		20
Vanadium, Total	13.8	49.6	66.2	106		65.3	102		75-125	1		20

Matrix Spike Analysis **Batch Quality Control**

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08-09 QC Batch ID: WG1247619-3 WG1247619-4 QC Sample: L1924424-01 Client ID: MS Sample									
Zinc, Total	33.7	49.6	87.9	109	85.4	102	75-125	3	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits		RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08-09			QC Batch ID: WG1247619-7			WG1247619-8	QC Sample: L1924424-03			Client ID: MS Sample		
Aluminum, Total	4160	165	4800	388	Q	4640	294	Q	75-125	3	20	
Antimony, Total	ND	41.2	40.0	97		40.1	98		75-125	0	20	
Arsenic, Total	1.33	9.89	11.9	107		12.3	112		75-125	3	20	
Barium, Total	6.52	165	173	101		172	102		75-125	1	20	
Beryllium, Total	0.068J	4.12	4.37	106		4.42	108		75-125	1	20	
Cadmium, Total	ND	4.2	4.11	98		4.14	100		75-125	1	20	
Calcium, Total	591	824	1460	105		1440	104		75-125	1	20	
Chromium, Total	6.26	16.5	28.6	136	Q	22.6	100		75-125	23	Q	20
Cobalt, Total	2.29	41.2	42.7	98		42.6	99		75-125	0	20	
Copper, Total	11.2	20.6	31.7	99		32.1	102		75-125	1	20	
Iron, Total	4840	82.4	5310	570	Q	5140	368	Q	75-125	3	20	
Lead, Total	5.10	42	47.2	100		47.2	101		75-125	0	20	
Magnesium, Total	1180	824	2150	118		2060	108		75-125	4	20	
Manganese, Total	33.7	41.2	77.6	106		74.6	100		75-125	4	20	
Nickel, Total	6.20	41.2	49.0	104		46.1	98		75-125	6	20	
Potassium, Total	330	824	1190	104		1210	108		75-125	2	20	
Selenium, Total	ND	9.89	10.5	106		10.3	105		75-125	2	20	
Silver, Total	ND	24.7	25.5	103		25.5	104		75-125	0	20	
Sodium, Total	50.2J	824	885	107		881	108		75-125	0	20	
Thallium, Total	ND	9.89	9.41	95		9.40	96		75-125	0	20	
Vanadium, Total	8.36	41.2	51.3	104		50.7	104		75-125	1	20	

Matrix Spike Analysis Batch Quality Control

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08-09 QC Batch ID: WG1247619-7 WG1247619-8 QC Sample: L1924424-03 Client ID: MS Sample									
Zinc, Total	14.9	41.2	57.7	104	57.5	104	75-125	0	20
Total Metals - Mansfield Lab Associated sample(s): 08-09 QC Batch ID: WG1248134-3 QC Sample: L1924539-08 Client ID: SOCOMP01									
Mercury, Total	ND	0.227	0.306	135	Q	-	80-120	-	20

Project Name: TRUXAL FARMS, EAST HAMPTON, NY**Project Number:** 170446801**Lab Duplicate Analysis***Batch Quality Control***Lab Number:** L1924539**Report Date:** 06/19/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08-09 QC Batch ID: WG1248134-4 QC Sample: L1924539-08 Client ID: SOCOMP01						
Mercury, Total	ND	0.067J	mg/kg	NC		20

INORGANICS & MISCELLANEOUS

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-01
Client ID: SOGRAB01_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:30
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.8		%	0.100	NA	1	-	06/08/19 12:57	121,2540G	RI



Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-02
Client ID: SOGRAB02_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:32
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	67.9		%	0.100	NA	1	-	06/08/19 12:57	121,2540G	RI



Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-03
Client ID: SOGRAB03_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:34
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	72.3		%	0.100	NA	1	-	06/08/19 12:57	121,2540G	RI



Project Name: TRUXAL FARMS, EAST HAMPTON, NY

Project Number: 170446801

Lab Number: L1924539

Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-04

Client ID: SOGRAB04_0-1

Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:36

Date Received: 06/07/19

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	68.2		%	0.100	NA	1	-	06/08/19 12:57	121,2540G	RI



Project Name: TRUXAL FARMS, EAST HAMPTON, NY**Project Number:** 170446801**Lab Number:** L1924539**Report Date:** 06/19/19**SAMPLE RESULTS****Lab ID:** L1924539-05**Client ID:** SOGRAB06_0-1**Sample Location:** EAST HAMPTON, NY**Date Collected:** 06/07/19 12:42**Date Received:** 06/07/19**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.1		%	0.100	NA	1	-	06/08/19 12:57	121,2540G	RI



Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-06
Client ID: SOGRAB07_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:44
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	72.7		%	0.100	NA	1	-	06/08/19 12:57	121,2540G	RI



Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-07
Client ID: SOGRAB10_0-1
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:46
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	68.9		%	0.100	NA	1	-	06/08/19 12:57	121,2540G	RI



Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-08
Client ID: SOCOMP01
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:40
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.5		%	0.100	NA	1	-	06/08/19 12:57	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.3	0.28	1	06/08/19 16:15	06/10/19 11:13	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/kg	1.12	0.224	1	06/10/19 18:24	06/11/19 12:38	1,7196A	NH



Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1924539-09
Client ID: SOCOMP02
Sample Location: EAST HAMPTON, NY

Date Collected: 06/07/19 12:50
Date Received: 06/07/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.1		%	0.100	NA	1	-	06/08/19 12:57	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.4	0.30	1	06/09/19 17:40	06/10/19 14:27	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/kg	1.14	0.228	1	06/10/19 18:24	06/11/19 12:38	1,7196A	NH



Project Name: TRUXAL FARMS, EAST HAMPTON, N'**Lab Number:** L1924539**Project Number:** 170446801**Report Date:** 06/19/19

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 08 Batch: WG1246197-1										
Cyanide, Total	ND		mg/kg	0.99	0.21	1	06/08/19 16:15	06/10/19 10:38	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 09 Batch: WG1246315-1										
Cyanide, Total	ND		mg/kg	0.88	0.18	1	06/09/19 17:40	06/10/19 13:53	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 08-09 Batch: WG1246677-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	06/10/19 18:24	06/11/19 12:38	1,7196A	NH

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TRUXAL FARMS, EAST HAMPTON, NY**Project Number:** 170446801**Lab Number:** L1924539**Report Date:** 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08 Batch: WG1246197-2 WG1246197-3								
Cyanide, Total	69	Q	76	Q	80-120	2		35
General Chemistry - Westborough Lab Associated sample(s): 09 Batch: WG1246315-2 WG1246315-3								
Cyanide, Total	69	Q	77	Q	80-120	22		35
General Chemistry - Westborough Lab Associated sample(s): 08-09 Batch: WG1246677-2								
Chromium, Hexavalent	89		-		80-120	-		20

Matrix Spike Analysis **Batch Quality Control**

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG1246197-4 WG1246197-5 QC Sample: L1924325-01 Client ID: MS Sample												
Cyanide, Total	ND	11	9.9	88		10	84		75-125	1		35
General Chemistry - Westborough Lab Associated sample(s): 09 QC Batch ID: WG1246315-4 WG1246315-5 QC Sample: L1924424-03 Client ID: MS Sample												
Cyanide, Total	ND	10	10	100		9.6	93		75-125	4		35
General Chemistry - Westborough Lab Associated sample(s): 08-09 QC Batch ID: WG1246677-4 WG1246677-5 QC Sample: L1924424-03 Client ID: MS Sample												
Chromium, Hexavalent	ND	828	834	101		796	103		75-125	2		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: TRUXAL FARMS, EAST HAMPTON, NY

Project Number: 170446801

Lab Number: L1924539

Report Date: 06/19/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1246124-2 QC Sample: L1924539-01 Client ID: SOGRAB01_0-1						
Solids, Total	71.8	70.1	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 08-09 QC Batch ID: WG1246677-7 QC Sample: L1924424-03 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: TRUXAL FARMS, EAST HAMPTON, NY**Lab Number:** L1924539**Project Number:** 170446801**Report Date:** 06/19/19**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1924539-01A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1924539-01B	Vial water preserved	A	NA		3.7	Y	Absent	08-JUN-19 03:34	NYTCL-8260HLW(14)
L1924539-01C	Vial water preserved	A	NA		3.7	Y	Absent	08-JUN-19 03:34	NYTCL-8260HLW(14)
L1924539-01D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L1924539-02A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1924539-02B	Vial water preserved	A	NA		3.7	Y	Absent	08-JUN-19 03:34	NYTCL-8260HLW(14)
L1924539-02C	Vial water preserved	A	NA		3.7	Y	Absent	08-JUN-19 03:34	NYTCL-8260HLW(14)
L1924539-02D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L1924539-03A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1924539-03B	Vial water preserved	A	NA		3.7	Y	Absent	08-JUN-19 03:34	NYTCL-8260HLW(14)
L1924539-03C	Vial water preserved	A	NA		3.7	Y	Absent	08-JUN-19 03:34	NYTCL-8260HLW(14)
L1924539-03D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L1924539-04A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1924539-04B	Vial water preserved	A	NA		3.7	Y	Absent	08-JUN-19 03:34	NYTCL-8260HLW(14)
L1924539-04C	Vial water preserved	A	NA		3.7	Y	Absent	08-JUN-19 03:34	NYTCL-8260HLW(14)
L1924539-04D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L1924539-05A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1924539-05B	Vial water preserved	A	NA		3.7	Y	Absent	08-JUN-19 03:34	NYTCL-8260HLW(14)
L1924539-05C	Vial water preserved	A	NA		3.7	Y	Absent	08-JUN-19 03:34	NYTCL-8260HLW(14)
L1924539-05D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L1924539-06A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1924539-06B	Vial water preserved	A	NA		3.7	Y	Absent	08-JUN-19 03:34	NYTCL-8260HLW(14)
L1924539-06C	Vial water preserved	A	NA		3.7	Y	Absent	08-JUN-19 03:34	NYTCL-8260HLW(14)

Project Name: TRUXAL FARMS, EAST HAMPTON, NY**Lab Number:** L1924539**Project Number:** 170446801**Report Date:** 06/19/19**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1924539-06D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L1924539-07A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1924539-07B	Vial water preserved	A	NA		3.7	Y	Absent	08-JUN-19 03:34	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1924539-07C	Vial water preserved	A	NA		3.7	Y	Absent	08-JUN-19 03:34	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1924539-07D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L1924539-08A	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L1924539-08B	Plastic 8oz unpreserved	A	NA		3.7	Y	Absent		A2-NY-537-ISOTOPE(28)
L1924539-08C	Plastic 8oz unpreserved	A	NA		3.7	Y	Absent		-
L1924539-08D	Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1924539-08E	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1924539-08F	Glass 500ml/16oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1924539-08X	Plastic 250ml unpreserved Extracts	A	NA		3.7	Y	Absent		A2-SPLP-537-ISOTOPE(28)
L1924539-08X1	Plastic 250ml unpreserved Extracts	A	NA		3.7	Y	Absent		A2-SPLP-537-ISOTOPE(28)
L1924539-08X2	Plastic 250ml unpreserved Extracts	A	NA		3.7	Y	Absent		A2-SPLP-537-ISOTOPE(28)
L1924539-08X3	Plastic 250ml unpreserved Extracts	A	NA		3.7	Y	Absent		A2-SPLP-537-ISOTOPE(28)
L1924539-08X9	Tumble Vessel	A	NA		3.7	Y	Absent		A2-SPLP-537-ISOTOPE(28)
L1924539-08Y	Plastic 250ml unpreserved Extracts	A	NA		3.7	Y	Absent		-
L1924539-09A	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L1924539-09B	Plastic 8oz unpreserved	A	NA		3.7	Y	Absent		A2-NY-537-ISOTOPE(28)
L1924539-09C	Plastic 8oz unpreserved	A	NA		3.7	Y	Absent		-
L1924539-09D	Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)

Project Name: TRUXAL FARMS, EAST HAMPTON, NY**Lab Number:** L1924539**Project Number:** 170446801**Report Date:** 06/19/19**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1924539-09E	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1924539-09F	Glass 500ml/16oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1924539-09X	Plastic 250ml unpreserved Extracts	A	NA		3.7	Y	Absent		A2-SPLP-537-ISOTOPE(28)
L1924539-09X1	Plastic 250ml unpreserved Extracts	A	NA		3.7	Y	Absent		A2-SPLP-537-ISOTOPE(28)
L1924539-09X2	Plastic 250ml unpreserved Extracts	A	NA		3.7	Y	Absent		A2-SPLP-537-ISOTOPE(28)
L1924539-09X3	Plastic 250ml unpreserved Extracts	A	NA		3.7	Y	Absent		A2-SPLP-537-ISOTOPE(28)
L1924539-09X9	Tumble Vessel	A	NA		3.7	Y	Absent		A2-SPLP-537-ISOTOPE(28)
L1924539-10A	Plastic 250ml unpreserved	A	NA		3.7	Y	Absent		A2-NY-537-ISOTOPE(14)

Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

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

Terms

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: TRUXAL FARMS, EAST HAMPTON, NY
Project Number: 170446801

Lab Number: L1924539
Report Date: 06/19/19

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 107 Alpha Analytical - In-house calculation method.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 122 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS). EPA Method 537, EPA/600/R-08/092. Version 1.1, September 2009.

LIMITATION OF LIABILITIES

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

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



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 12

Department: **Quality Assurance**

Published Date: 10/9/2018 4:58:19 PM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**EPA 6860:** SCM: Perchlorate**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**Biological Tissue Matrix:** EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

NEW YORK STOCKPILE SHAMPING

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page <u>1</u> of <u>1</u>		Date Rec'd in Lab <u>6/7/19</u>		ALPHA Job # <u>L1924539</u>	
Client Information Client: <u>LANBAN, INC</u> Address: <u>LANBAN, INC</u> Phone: <u>LANBAN, INC</u> Fax: <u>LANBAN, INC</u> Email: <u>GUYK@LANBAN.COM</u>				Project Information Project Name: <u>EAST HAMPTON, NY - THYAL FARM</u> Project Location: <u>EAST HAMPTON, NY</u> Project # <u>170446801</u> (Use Project name as Project #) ☐ Project Manager: <u>GUYK WYKA</u> ALPHAQuote #: <u> </u> Turn-Around Time Standard ☒ Due Date: <u>6/11/19</u> Rush (only if pre approved) ☐ # of Days: <u>4</u>				Deliverables ☐ ASP-A ☒ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information ☒ Same as Client Info #0 # <u> </u>	
Regulatory Requirement ☐ NY TOGS ☒ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☒ Other ☐ NY Unrestricted Use <u>TL</u> ☐ NYC Sewer Discharge				Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:							
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: <u>MANUFACTURED TOPSOIL SHAMPING AT THYAL FARM</u> <u>PLEASE CONTACT GUYK FOR TAL</u>				ANALYSIS TAL METALS ☒ CHLORIDE, COT, GTH ☒ PESTICIDES ☒ PCBs ☒ DIOXINE ☒ FURAN ☒ PHOSPHORUS ☒ ARSENIC ☒ LEAD ☒ CADMIUM ☒ COPPER ☒ ZINC ☒ NICKEL ☒ CHROMIUM ☒ MANGANESE ☒ SILICA ☒ SULFUR ☒ POTASSIUM ☒ SODIUM ☒ MAGNESIUM ☒ CALCIUM ☒ IRON ☒ ALUMINUM ☒ BORON ☒ FLUORINE ☒ PHOSPHORUS ☒ ARSENIC ☒ LEAD ☒ CADMIUM ☒ COPPER ☒ ZINC ☒ NICKEL ☒ CHROMIUM ☒ MANGANESE ☒ SILICA ☒ SULFUR ☒ POTASSIUM ☒ SODIUM ☒ MAGNESIUM ☒ CALCIUM ☒ IRON ☒ ALUMINUM ☒ BORON ☒ FLUORINE ☒ PHOSPHORUS ☒ ARSENIC ☒ LEAD ☒ CADMIUM ☒ COPPER ☒ ZINC ☒ NICKEL ☒ CHROMIUM ☒ MANGANESE ☒ SILICA ☒ SULFUR ☒ POTASSIUM ☒ SODIUM ☒ MAGNESIUM ☒ CALCIUM ☒ IRON ☒ ALUMINUM ☒ BORON ☒ FLUORINE ☒ PHOSPHORUS ☒ ARSENIC ☒ LEAD ☒ CADMIUM ☒ COPPER ☒ ZINC ☒ NICKEL ☒ CHROMIUM ☒ MANGANESE ☒ SILICA ☒ SULFUR ☒ POTASSIUM ☒ SODIUM ☒ MAGNESIUM ☒ CALCIUM ☒ IRON ☒ ALUMINUM ☒ 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☒ ARSENIC ☒ LEAD ☒ CADMIUM ☒ COPPER ☒ ZINC ☒ NICKEL ☒ CHROMIUM ☒ MANGANESE ☒ SILICA ☒ SULFUR ☒ POTASSIUM ☒ SODIUM ☒ MAGNESIUM ☒ CALCIUM ☒ IRON ☒ ALUMINUM ☒ BORON ☒ FLUORINE ☒ PHOSPHORUS ☒ ARSENIC ☒ LEAD ☒ CADMIUM ☒ COPPER ☒ ZINC ☒ NICKEL ☒ CHROMIUM ☒ MANGANESE ☒ SILICA ☒ SULFUR ☒ POTASSIUM ☒ SODIUM ☒ MAGNESIUM ☒ CALCIUM ☒ IRON ☒ ALUMINUM ☒ BORON ☒ FLUORINE ☒ PHOSPHORUS ☒ ARSENIC ☒ LEAD ☒ CADMIUM ☒ COPPER ☒ ZINC ☒ NICKEL ☒ CHROMIUM ☒ MANGANESE ☒ SILICA <							

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau B

625 Broadway, 12th Floor, Albany, NY 12233-7016

P: (518) 402-9767 | F: (518) 402-9773

www.dec.ny.gov

June 20, 2019

700 & 708 First Realty Company, LLC
Attn: Mr. Anthony Calicchio
9 West 57th Street
45th Floor
New York, NY 10019

Re: Greater Waterside Site, New York
New York County, Site No.: C231013

Dear Mr. Calicchio:

The Department has reviewed the request from your consultant (Langan), dated June 19, 2019 to import up to 1,000 cubic yards of manufactured organic topsoil from a nursery, Truxel Farms, located in East Hampton, New York for landscaping work at the subject site. The request to import this material is hereby approved. The approval is based on the following factors:

1. The soil sample results met the lower of the groundwater protection soil cleanup objectives (SCOs) and the restricted residential SCOs for volatile organic compounds, semi-volatile organic compounds, pesticides/PCBs, and metals.
2. PFOA and PFOS did not exceed the screening level of 1 ppb.
3. 1,4-Dioxane did not exceed the screening level of 0.1 ppm.

In future, the Department must be given at least five days to review such requests. If you have any questions, please contact me at 518-402-9767 or e-mail: ronnie.lee@dec.ny.gov.

Sincerely,



Ronnie E. Lee, P.E.
Project Manager
Remedial Bureau B, Section C
Division of Environmental Remediation



Department of
Environmental
Conservation

ec: G. Burke
J. O'Connell
D. Hettrick
G Wyka (gwyka@langan.com)
R. Manderbach (rmanderbach@langan.com)
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C. Leas (cleas@sprlaw.com)



**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**



Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is:

Have Ecological Resources been identified?

Is this soil originating from the site?

How many cubic yards of soil will be imported/reused?

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone?

Does it contain less than 10%, by weight, material that would pass a size 80 sieve?

Is this virgin material from a permitted mine or quarry?

Is this material recycled concrete or brick from a DEC registered processing facility?

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

The proposed imported material is manufactured organic topsoil from a Part 360 facility, TS Haulers, located in Calverton, NY. Samples for lab analysis were collected on November 6, 2019 at a frequency in accordance with NYSDEC DER-10 Table 5.4(e)10 and NYSDEC Policy for Sampling for 1,4 - Dioxane and Per - and Polyfluoroalkyl Substances (PFAS) Under Part 375 Remedial Program (June 2019). Nine (9) grab samples were collected and analyzed for TCL/Part 375 VOCs. Three (3) 5-point composite samples were collected and analyzed for the following parameters: TCL/Part 375 SVOCs, PCBs, pesticides, herbicides, TAL metals, hexavalent chromium, trivalent chromium, cyanide, 1,4-dioxane, PFAS (21-compound list), and SPLP PFOA

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

Please see attached Tables 1 to 4. The analyte aldrin exceeded the 6 NYCRR Part 375-6.8(b) Restricted Use Residential Soil Cleanup Objectives (SCOs) and the analyte acetone exceeded the Protection of Groundwater SCOs in 2 out of 9 samples. PFOA and PFOS did not exceed the NYSDEC Screening Criteria of 1 part per billion (ppb) in the two composite samples.

Langan completed a statistical analysis of the acetone data to determine the 95% upper confidence limit (UCL). Using USEPA's ProUCL, the 95% UCL for acetone was calculated at 0.0527 (see pages 13-15).

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

TS Haulers (Part 360 facility)

Location where fill was obtained:

TS Haulers, 3968 Middle Country Rd, Calverton, NY 11933

Identification of any state or local approvals as a fill source:

NYSDEC Part 360 Registration. Registration # 52W77R

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

Figure 1 - Site Plan and Sample Location Plan
Figure 2 - Topsoil Placement Plan
Tables 1 to 4
UCL Calculation
Field Sampling Photographs
NYSDEC Part 360 Registration
Laboratory Analytical Data Packages

The information provided on this form is accurate and complete.

Gregory Wyka

Signature

11/19/2019

Date

Gregory Wyka

Print Name

Langan

Firm



**REGISTRATION FORM FOR A
SOLID WASTE MANAGEMENT FACILITY**

Please read and follow all instructions before completing this registration form

Please Type or Print clearly THIS IS NOT A UPA PERMIT

DEPARTMENT USE ONLY

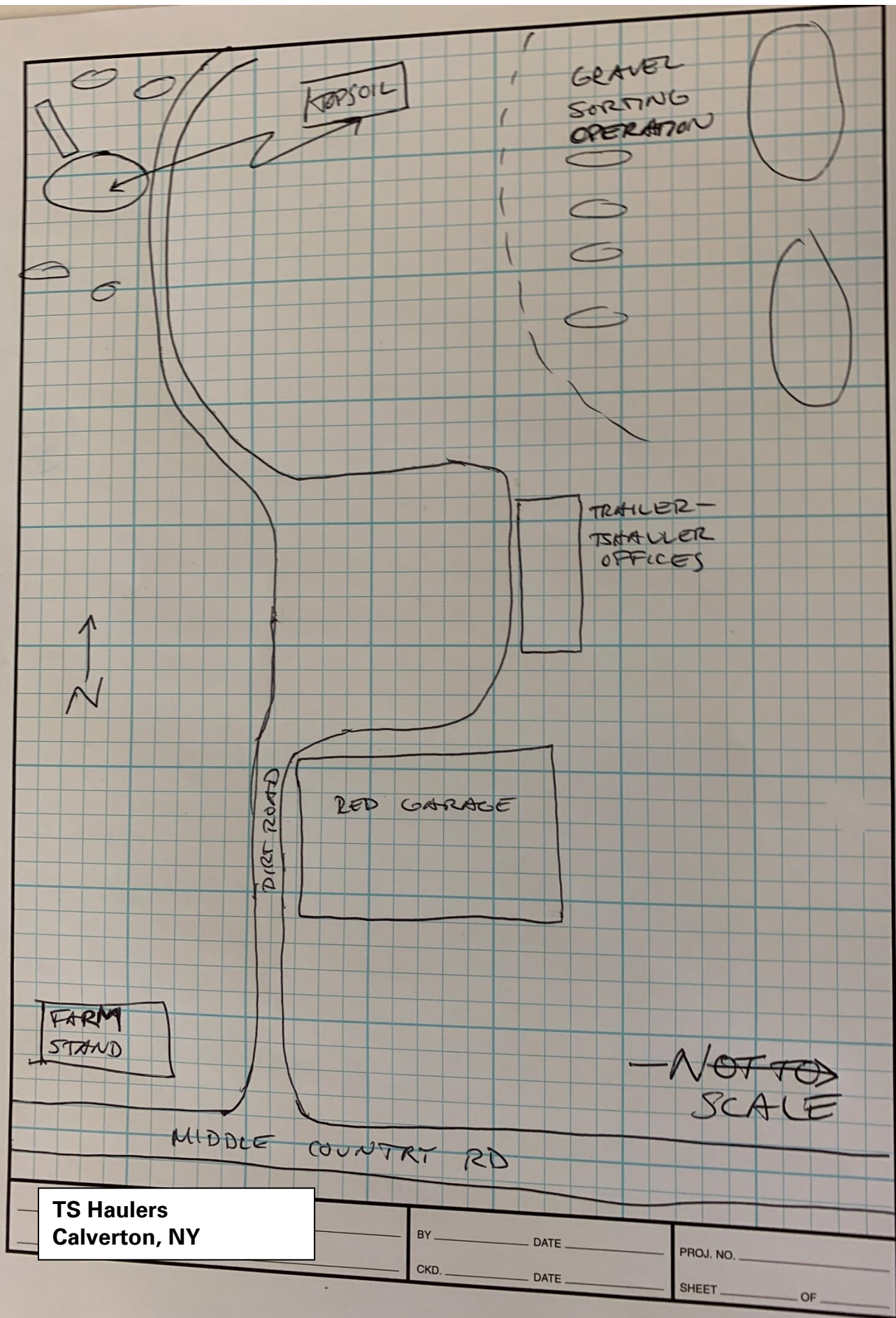
DEC REGISTRATION #

52W77R

DEC ADMINISTRATION #

ISSUE DATE RECEIVED 01/04/99

1. FACILITY NAME AND LOCATION <u>T. S. Haulers Inc.</u>		2. FACILITY OWNER'S NAME <u>Edward Partridge</u>	
Street <u>P.O. Box 263, Route 25</u>		Mailing Address <u>P.O. Box 387</u>	
City/Village <u>Calverton, NY 11933</u>		City/Town/Village <u>Wading River</u>	
Town <u>Riverhead</u> County <u>Suffolk</u>		State/Zip Code <u>NY, 11792</u>	
Telephone Number <u>(516) 369-1265</u>		Telephone Number <u>(516) 369-1265</u>	
3. FACILITY OPERATOR'S NAME (if different)		4. SITE OWNER'S NAME (if different)	
Mailing Address		Mailing Address	
City/Town/Village		City/Town/Village	
State/Zip Code		State/Zip Code	
Telephone Number ()		Telephone Number ()	
5. TYPE OF FACILITY REGISTRATION (check all applicable boxes)			
☐ Energy Recovery Incinerators or Pyrolysis Units [360-3.1(c)]		☐ Waste Tire Retreaders [360-13.1(d)(1)(i)]	
☐ Land Application and Sludge Storage Facilities [360-4.1(c)]		☐ Waste Tire Stored for On-site Energy Recovery [360-13.1(d)(1)(ii)]	
☐ Land Clearing Debris Landfills three acres or less [360-7.2(a)]		☐ Tire Dealers Selling Waste Tires [360-13.1(d)(1)(iii)]	
☐ Transfer Stations (municipally owned/operated/contracted) receiving less than 50,000 cubic yards or 1,500 tons of household solid waste annually [360-11.1(b)(1)]		☐ Tire Manufacturing Facilities [360-13.1(d)(1)(iv)]	
☐ Transfer Stations (municipally owned/operated/contracted) receiving less than 50,000 cubic yards or 1,500 tons of containerized solid waste annually [360-11.1(b)(2)]		☒ Processing Facilities Receiving Only Recognizable Uncontaminated Concrete, Asphalt Pavement, Brick, Soil or Rock [360-16.1(d)(1)(i)]	
☐ Source Separated, Nonputrescible Solid Waste Recyclables Handling and Recovery Facilities [360-12.1(d)]		☐ Uncontaminated Unadulterated Wood Processing Facilities [360-18.1(d)(1)(i)]	
☐ Other Facilities not specifically described above, Specify Type _____			
6. SOLID WASTE HANDLED		7. OPERATIONS SCHEDULE - Normal schedule of operation	
a. <u>Hot wastes and/or materials to be accepted</u> <u>Concrete Brick Asphalt</u>		<u>8am - 430pm Mon - Fri</u>	
b. Quantity (specify Units - see instructions) design capacity <u>600 yds / day</u> storage on site <u>20,000 yds</u>		8. NAME(S) OF ALL MUNICIPALITIES SERVED <u>QUEENS, Nassau</u> <u>Suffolk, Brooklyn</u>	
9. CERTIFICATION: I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits was prepared by me or under my supervision and direction and is true to the best of my knowledge and belief, and that I have the authority as <u>President</u> (title) of <u>T.S. Haulers Inc</u> (Entity) to sign this registration form pursuant to 6 NYCRR Part 360. By signing this registration form, I affirm that I have read the applicable regulations and will abide by all conditions of the registration requirements. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.			
Printed/Typed Name <u>Edward Partridge</u>		Signature <u>Edward Partridge</u> Mo <u>1</u> Day <u>30</u> Year <u>1998</u>	



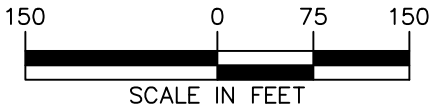


LEGEND:

-  APPROXIMATE SITE BOUNDARY
-  PROPOSED AND APPROXIMATE PLACEMENT LOCATIONS FOR IMPORTED ORGANIC TOPSOIL

GENERAL NOTES

1. BASE MAP SOURCE: NEARMAP.COM AERIAL PHOTO DATED JUNE 12, 2018



LANGAN

21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001

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Langan Engineering, Environmental, Surveying and
Landscape Architecture and Geology, D.P.C. S.A.
Langan Engineering, Environmental, Surveying and
Landscape Architecture and Geology, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Collectively known as Langan

Project

**THE GREATER
WATERSIDE SITE**

BLOCK No. 970, LOT Nos. 1 and 2

NEW YORK

NEW YORK

Figure Title

**IMPORTED TOPSOIL
PLACEMENT PLAN**

Project No.
170446801

Date
6/14/2019

Scale
1" = 150'

Drawn By
JFY

Checked By
GCW

Submission Date

Figure No.

2

Table 1
Sample Collection Summary
Imported Material Sampling - Manufactured Organic Topsoil Sampling

700-708 First Avenue
New York, New York
BCP Site No. C231013
Langan Project No. 170446801

Sample ID	No.	Sample Date	Analysis
SOIL SAMPLES			
SOGRAB01_110619	1	11/6/2019	TCL/Part 375 VOCs
SOGRAB02_110619	2	11/6/2019	TCL/Part 375 VOCs
SOGRAB03_110619	3	11/6/2019	TCL/Part 375 VOCs
SOGRAB06_110619	4	11/6/2019	TCL/Part 375 VOCs
SOGRAB07_110619	5	11/6/2019	TCL/Part 375 VOCs
SOGRAB08_110619	6	11/6/2019	TCL/Part 375 VOCs
SOGRAB11_110619	7	11/6/2019	TCL/Part 375 VOCs
SOGRAB12_110619	8	11/6/2019	TCL/Part 375 VOCs
SOGRAB13_110619	9	11/6/2019	TCL/Part 375 VOCs
SOCOMP01_110619	10	11/6/2019	TCL/Part 375 SVOCs, PCBs, pesticides, herbicides, TAL metals, hexavalent chromium, trivalent chromium, cyanide, 1,4-dioxane, PFAS (21-compound list), and SPLP PFOA and PFOS
SOCOMP02_110619	11	11/6/2019	TCL/Part 375 SVOCs, PCBs, pesticides, herbicides, TAL metals, hexavalent chromium, trivalent chromium, cyanide, 1,4-dioxane, PFAS (21-compound list), and SPLP PFOA and PFOS
SOCOMP03_110619	12	11/6/2019	TCL/Part 375 SVOCs, PCBs, pesticides, herbicides, TAL metals, hexavalent chromium, trivalent chromium, cyanide, 1,4-dioxane, PFAS (21-compound list), and SPLP PFOA and PFOS
QA/QC			
<i>Soil QA/QC</i>			
TB01_110619	13	11/6/2019	TCL/Part 375 VOCs
FB01_091619	14	11/6/2019	1,4-dioxane, PFAS (21-compound list), and SPLP PFOA and PFOS

Notes:

SO = Soil

TCL = Target Compound List

TAL = Target Analyte List

QA/QC = Quality Assurance / Quality Control

VOCs = Volatile organic compounds

SVOCs = Semivolatile organic compounds

PCBs = Polychlorinated Biphenyls

PFAS = Per- and Polyfluoroalkyl Substances

SPLP = Synthetic Precipitation Leaching Procedure

PFOA = Perfluorooctanoic acid

PFOS = Perfluorooctanesulfonic acid

Table 2
Grab and Composite Soil Sample Analytical Results Summary
Imported Material Sampling - Manufactured Organic Topsoil Sampling

700-708 First Avenue
New York, New York
BCP Site No. C231013
Langan Project No. 170446801

Location	NYSDEC Part 375 Sample ID Laboratory ID Sample Date Sample Depth (feet bgs)	NYSDEC Part 375 Restricted Use Residential SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	SOCOMP01 SOCOMP01_110619 19K0220-11 11/6/2019 0-0	SOCOMP02 SOCOMP02_110619 19K0220-12 11/6/2019 0-0	SOCOMP03 SOCOMP03_110619 19K0220-13 11/6/2019 0-0	SOGRAB01 SOGRAB01_110619 19K0220-01 11/6/2019 0-0	SOGRAB02 SOGRAB02_110619 19K0220-02 11/6/2019 0-0	SOGRAB03 SOGRAB03_110619 19K0220-03 11/6/2019 0-0	SOGRAB06 SOGRAB06_110619 19K0220-04 11/6/2019 0-0	SOGRAB07 SOGRAB07_110619 19K0220-05 11/6/2019 0-0	SOGRAB08 SOGRAB08_110619 19K0220-06 11/6/2019 0-0	SOGRAB11 SOGRAB11_110619 19K0220-07 11/6/2019 0-0	SOGRAB12 SOGRAB12_110619 19K0220-08 11/6/2019 0-0	SOGRAB13 SOGRAB13_110619 19K0220-09 11/6/2019 0-0	
Volatile Organic Compounds (mg/kg)																
1,1,1,2-Tetrachloroethane	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
1,1,1-Trichloroethane	100	0.68	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
1,1,2,2-Tetrachloroethane	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
1,1,2-Trichloroethane	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
1,1-Dichloroethane	19	0.27	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
1,1-Dichloroethene	100	0.33	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
1,2,3-Trichlorobenzene	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
1,2,3-Trichloropropane	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
1,2,4-Trichlorobenzene	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
1,2,4-Trimethylbenzene	47	3.6	~	NA	NA	NA	0.012	J	0.011	J	0.0063	J	0.0036	U	0.0031	U
1,2-Dibromo-3-Chloropropane	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
1,2-Dibromoethane (Ethylene Dibromide)	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
1,2-Dichlorobenzene	100	1.1	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
1,2-Dichloroethane	2.3	0.02	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
1,2-Dichloropropane	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
1,3,5-Trimethylbenzene (Mesitylene)	47	8.4	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
1,3-Dichlorobenzene	17	2.4	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
1,4-Dichlorobenzene	9.8	1.8	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
1,4-Dioxane (P-Dioxane)	9.8	0.1	~	NA	NA	NA	0.087	U	0.14	U	0.071	U	0.067	U	0.063	U
2-Hexanone	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Acetone	100	0.05	~	NA	NA	NA	0.096		0.045		0.011	U	0.0071	J	0.074	U
Acrolein	~	~	~	NA	NA	NA	0.0087	U	0.014	U	0.011	U	0.0057	U	0.0067	U
Acrylonitrile	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Benzene	2.9	0.06	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Bromochloromethane	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Bromodichloromethane	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Bromoform	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Bromomethane	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Carbon Disulfide	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Carbon Tetrachloride	1.4	0.76	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Chlorobenzene	100	1.1	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Chloroform	10	0.37	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Chloromethane	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Cis-1,2-Dichloroethene	59	0.25	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Cis-1,3-Dichloropropene	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Cyclohexane	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Dibromochloromethane	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Dibromomethane	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Dichlorodifluoromethane	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Ethyl Chloride	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Ethylbenzene	30	1	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Hexachlorobutadiene	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Isopropylbenzene (Cumene)	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
M,P-Xylene	~	~	~	NA	NA	NA	0.0087	U	0.014	U	0.011	U	0.0057	U	0.0067	U
Methyl Acetate	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Methyl Ethyl Ketone (2-Butanone)	100	0.12	~	NA	NA	NA	0.011	JB	0.02	JB	0.012	JB	0.009	JB	0.0063	JB
Methyl Isobutyl Ketone (4-Methyl-2-Pentanol)	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Methylcyclohexane	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Methylene Chloride	51	0.05	~	NA	NA	NA	0.014	J	0.015	J	0.011	U	0.0057	U	0.0067	J
n-Butylbenzene	100	12	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
n-Propylbenzene	100	3.9	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
o-Xylene (1,2-Dimethylbenzene)	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
p-Cymene (p-Isopropyltoluene)	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Sec-Butylbenzene	100	11	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Styrene	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
T-Butylbenzene	100	5.9	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Tert-Butyl Alcohol	~	~	~	NA	NA	NA	0.026		0.021		0.0056	U	0.0036	U	0.029	
Tert-Butyl Methyl Ether	62	0.93	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Tetrachloroethene (PCE)	5.5	1.3	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Toluene	100	0.7	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Total Xylenes	100	1.6	~	NA	NA	NA	0.013	U	0.021	U	0.011	U	0.0085	U	0.01	U
Trans-1,2-Dichloroethene	100	0.19	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Trans-1,3-Dichloropropene	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Trichloroethene (TCE)	10	0.47	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Trichlorofluoromethane	~	~	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U
Vinyl Chloride	0.21	0.02	~	NA	NA	NA	0.0044	U	0.0068	U	0.0056	U	0.0036	U	0.0031	U

Table 2
Grab and Composite Soil Sample Analytical Results Summary
Imported Material Sampling - Manufactured Organic Topsoil Sampling

700-708 First Avenue
New York, New York
BCP Site No. C231013
Langan Project No. 170446801

Location	NYSDEC Part 375 Restricted Use Residential SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	SOCOMP01 SOCOMP01_110619 19K0220-11 11/6/2019 0-0	SOCOMP02 SOCOMP02_110619 19K0220-12 11/6/2019 0-0	SOCOMP03 SOCOMP03_110619 19K0220-13 11/6/2019 0-0	SOGRAB01 SOGRAB01_110619 19K0220-01 11/6/2019 0-0	SOGRAB02 SOGRAB02_110619 19K0220-02 11/6/2019 0-0	SOGRAB03 SOGRAB03_110619 19K0220-03 11/6/2019 0-0	SOGRAB06 SOGRAB06_110619 19K0220-04 11/6/2019 0-0	SOGRAB07 SOGRAB07_110619 19K0220-05 11/6/2019 0-0	SOGRAB08 SOGRAB08_110619 19K0220-06 11/6/2019 0-0	SOGRAB11 SOGRAB11_110619 19K0220-07 11/6/2019 0-0	SOGRAB12 SOGRAB12_110619 19K0220-08 11/6/2019 0-0	SOGRAB13 SOGRAB13_110619 19K0220-09 11/6/2019 0-0
Sample ID														
Laboratory ID														
Sample Date														
Sample Depth (feet bgs)														
Semivolatile Organic Compounds (mg/kg)														
1,2,4,5-Tetrachlorobenzene	~	~	0.0994	U	0.103	U	0.0996	U	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	100	1.1	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
1,2-Diphenylhydrazine	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	17	2.4	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	9.8	1.8	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
1,4-Dioxane (P-Dioxane)	9.8	0.1	0.0098	U	0.00971	U	0.00962	U	NA	NA	NA	NA	NA	NA
2,3,4,6-Tetrachlorophenol	~	~	0.0994	U	0.103	U	0.0996	U	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	~	~	0.0994	U	0.103	U	0.0996	U	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
2-Chlorophenol	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
2-Methylphenol (o-Cresol)	100	0.33	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
2-Nitroaniline	~	~	0.0994	U	0.103	U	0.0996	U	NA	NA	NA	NA	NA	NA
2-Nitrophenol	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
3 & 4 Methylphenol (m&p Cresol)	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
3-Nitroaniline	~	~	0.0994	U	0.103	U	0.0996	U	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-Methylphenol	~	~	0.0994	U	0.103	U	0.0996	U	NA	NA	NA	NA	NA	NA
4-Bromophenyl Phenyl Ether	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
4-Chloroaniline	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
4-Chlorophenyl Phenyl Ether	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
4-Nitroaniline	~	~	0.0994	U	0.103	U	0.0996	U	NA	NA	NA	NA	NA	NA
4-Nitrophenol	~	~	0.0994	U	0.103	U	0.0996	U	NA	NA	NA	NA	NA	NA
Acenaphthene	100	98	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
Acenaphthylene	100	107	0.0517	JD	0.0516	JD	0.0499	U	NA	NA	NA	NA	NA	NA
Acetophenone	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
Aniline (Phenylamine, Aminobenzene)	~	~	0.199	U	0.205	U	0.199	U	NA	NA	NA	NA	NA	NA
Anthracene	100	1,000	0.122	D	0.22	D	0.0541	JD	NA	NA	NA	NA	NA	NA
Atrazine	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
Benzaldehyde	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
Benzidine	~	~	0.199	U	0.205	U	0.199	U	NA	NA	NA	NA	NA	NA
Benzo(a)Anthracene	1	1	0.421	D	0.561	D	0.201	D	NA	NA	NA	NA	NA	NA
Benzo(a)Pyrene	1	22	0.466	D	0.571	D	0.22	D	NA	NA	NA	NA	NA	NA
Benzo(b)Fluoranthene	1	1.7	0.381	D	0.518	D	0.201	D	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)Perylene	100	1,000	0.273	D	0.339	D	0.138	D	NA	NA	NA	NA	NA	NA
Benzo(k)Fluoranthene	1	1.7	0.359	D	0.471	D	0.181	D	NA	NA	NA	NA	NA	NA
Benzoic Acid	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
Benzyl Butyl Phthalate	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
Biphenyl (Diphenyl)	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
Bis(2-Chloroethoxy) Methane	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
Bis(2-Chloroethyl) Ether (2-Chloroethyl) Ethe	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
Bis(2-Chloroisopropyl) Ether	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
Bis(2-Ethylhexyl) Phthalate	~	~	0.238	D	0.0984	JD	0.0732	JD	NA	NA	NA	NA	NA	NA
Caprolactam	~	~	0.0994	U	0.103	U	0.0996	U	NA	NA	NA	NA	NA	NA
Carbazole	~	~	0.0498	U	0.0729	JD	0.0499	U	NA	NA	NA	NA	NA	NA
Chrysene	1	1	0.413	D	0.564	D	0.217	D	NA	NA	NA	NA	NA	NA
Dibenz(a,h)Anthracene	0.33	1,000	0.093	JD	0.12	D	0.0499	U	NA	NA	NA	NA	NA	NA
Dibenzofuran	14	210	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
Diethyl Phthalate	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
Dimethyl Phthalate	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
Di-N-Butyl Phthalate	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
Di-N-Octylphthalate	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
Fluoranthene	100	1,000	0.889	D	1.16	D	0.383	D	NA	NA	NA	NA	NA	NA
Fluorene	100	386	0.0498	U	0.0787	JD	0.0499	U	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	0.33	3.2	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
Hexachloroethane	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)Pyrene	0.5	8.2	0.246	D	0.304	D	0.138	D	NA	NA	NA	NA	NA	NA
Isophorone	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
Naphthalene	100	12	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
Nitrobenzene	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
n-Nitrosodimethylamine	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
n-Nitrosodi-N-Propylamine	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
n-Nitrosodiphenylamine	~	~	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
Pentachlorophenol	2.4	0.8	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
Phenanthrene	100	1,000	0.507	D	0.723	D	0.15	D	NA	NA	NA	NA	NA	NA
Phenol	100	0.33	0.0498	U	0.0514	U	0.0499	U	NA	NA	NA	NA	NA	NA
Pyrene	100	1,000	0.653	D	0.855	D	0.309	D	NA	NA	NA	NA	NA	NA

Notes provided on Page 4.
Concentrations above Restricted Use Residential SCOs are bolded.
Concentrations above Protection of Groundwater SCOs are shaded.

Table 2
Grab and Composite Soil Sample Analytical Results Summary
Imported Material Sampling - Manufactured Organic Topsoil Sampling

700-708 First Avenue
New York, New York
BCP Site No. C231013
Langan Project No. 170446801

Location Sample ID Laboratory ID Sample Date Sample Depth (feet bgs)	NYSDEC Part 375 Restricted Use Residential SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	SOCOMP01 SOCOMP01_110619 19K0220-11 11/6/2019 0-0	SOCOMP02 SOCOMP02_110619 19K0220-12 11/6/2019 0-0	SOCOMP03 SOCOMP03_110619 19K0220-13 11/6/2019 0-0	SOGRAB01 SOGRAB01_110619 19K0220-01 11/6/2019 0-0	SOGRAB02 SOGRAB02_110619 19K0220-02 11/6/2019 0-0	SOGRAB03 SOGRAB03_110619 19K0220-03 11/6/2019 0-0	SOGRAB06 SOGRAB06_110619 19K0220-04 11/6/2019 0-0	SOGRAB07 SOGRAB07_110619 19K0220-05 11/6/2019 0-0	SOGRAB08 SOGRAB08_110619 19K0220-06 11/6/2019 0-0	SOGRAB11 SOGRAB11_110619 19K0220-07 11/6/2019 0-0	SOGRAB12 SOGRAB12_110619 19K0220-08 11/6/2019 0-0	SOGRAB13 SOGRAB13_110619 19K0220-09 11/6/2019 0-0
Pesticides (mg/kg)														
4,4'-DDD	2.6	14	0.00276 D	0.00273 D	0.00321 D	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	1.8	17	0.00451 D	0.00611 DP	0.00522 D	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	1.7	136	0.00619 D	0.00203 U	0.00197 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	0.019	0.19	0.0156 D	0.0141 D	0.0239 D	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha BHC (Alpha Hexachlorocyclohexane)	0.097	0.02	0.00197 U	0.00203 U	0.00197 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha Chlordane	0.91	2.9	0.0188 DP	0.018 DP	0.0163 DP	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha Endosulfan	4.8	102	0.00197 U	0.00203 U	0.00197 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta Bhc (Beta Hexachlorocyclohexane)	0.072	0.09	0.00197 U	0.00203 U	0.00197 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta Endosulfan	4.8	102	0.00197 U	0.00203 U	0.00197 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlordane (alpha and gamma)	~	~	0.0821 DP	0.0922 DP	0.0722 DP	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta Bhc (Delta Hexachlorocyclohexane)	100	0.25	0.00197 U	0.00203 U	0.00197 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	0.039	0.1	0.0138 D	0.0107 D	0.0104 D	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	4.8	1000	0.00197 U	0.00203 U	0.00197 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	2.2	0.06	0.00197 U	0.00203 U	0.00197 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	~	~	0.00197 U	0.00203 U	0.00197 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	~	~	0.00197 U	0.00203 U	0.00197 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma Bhc (Lindane)	0.28	0.1	0.00197 U	0.00203 U	0.00197 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	~	~	0.0222 D	0.0204 D	0.0187 D	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	0.42	0.38	0.00353 D	0.00203 U	0.00197 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	~	~	0.00197 U	0.00203 U	0.00197 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	~	~	0.00197 U	0.00203 U	0.00197 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	~	~	0.197 U	0.203 U	0.197 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Herbicides (mg/kg)														
2,4,5-T (Trichlorophenoxyacetic Acid)	~	~	0.0238 U	0.0246 U	0.0239 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D (Dichlorophenoxyacetic Acid)	~	~	0.0238 U	0.0246 U	0.0239 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silvex (2,4,5-Tp)	58	3.8	0.0238 U	0.0246 U	0.0239 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyls (mg/kg)														
PCB-1016 (Aroclor 1016)	~	~	0.0199 U	0.0205 U	0.0199 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1221 (Aroclor 1221)	~	~	0.0199 U	0.0205 U	0.0199 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1232 (Aroclor 1232)	~	~	0.0199 U	0.0205 U	0.0199 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1242 (Aroclor 1242)	~	~	0.0199 U	0.0205 U	0.0199 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1248 (Aroclor 1248)	~	~	0.0199 U	0.0205 U	0.0199 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1254 (Aroclor 1254)	~	~	0.0199 U	0.0205 U	0.0199 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1260 (Aroclor 1260)	~	~	0.0199 U	0.0205 U	0.0199 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1262 (Aroclor 1262)	~	~	0.0199 U	0.0205 U	0.0199 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1268 (Aroclor 1268)	~	~	0.0199 U	0.0205 U	0.0199 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	1	3.2	0.0199 U	0.0205 U	0.0199 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics (mg/kg)														
Aluminum	~	~	7,800	5,950	6,300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	~	~	2.99 U	3.08 U	2.99 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	16	16	6.03	5.87	5.63	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	350	820	79.1	62.1	97.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	14	47	0.06 U	0.062 U	0.06 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	2.5	7.5	0.406	0.432	0.359 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	~	~	9,340	16,400	7,070	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Hexavalent	22	19	0.598 U	0.617 U	0.599 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Total	~	~	16.9	14.3	14.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Trivalent	36	~	16.9	14.3	14.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	~	~	5.6	4.29	4.59	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	270	1,720	30.2	26.8	29.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	27	40	0.598 U	0.617 U	0.599 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	~	~	13,100	9,010	10,400	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	400	450	93.4	75	102	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	~	~	3,170	7,790	2,150	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	2,000	2,000	239	168	169	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.81	0.73	0.182	0.199	0.142	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	140	130	16.1	11	13.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	~	~	1,340	1,160	1,200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	36	4	2.99 U	3.08 U	2.99 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	36	8.3	0.598 U	0.617 U	0.599 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	~	~	150	139	171	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	~	~	2.99 U	3.08 U	2.99 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	~	~	21	16.2	19.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2,200	2,480	102	79.7	95.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
General Chemistry (%)														
Solids, Percent	~	~	83.6	81.1	83.5	75.8	84.3	80.5	80.5	79.5	80.4	82.4	78.8	82.9

Notes provided on Page 4.
Concentrations above Restricted Use Residential SCOs are bolded.
Concentrations above Protection of Groundwater SCOs are shaded.

Table 2
Grab and Composite Soil Sample Analytical Results Summary
Imported Material Sampling - Manufactured Organic Topsoil Sampling

700-708 First Avenue
New York, New York
BCP Site No. C231013
Langan Project No. 170446801

- Notes:**
- 1. Grab and composite sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Use Residential and Restricted Use Protection of Groundwater Soil Cleanup Objectives (SCO).
 - 2. Only detected analytes are shown in the table.
 - 3. Detected analytical results above Restricted Use Residential SCOs are bolded.
 - 4. Detected analytical results above Restricted Use Protection of Groundwater SCOs are shaded.
 - 5. Analytical results with reporting limits (RL) above the lowest applicable criteria are italicized.
 - 6. ~ = Regulatory limit for this analyte does not exist
 - 7. bgs = below grade surface
 - 8. mg/kg = milligrams per kilogram
 - 9. % = percent
 - 10. NA = Not analyzed

- Qualifiers:**
- D = The concentration reported is a result of a diluted sample.
 - J = The analyte was detected above the Method Detection Limit (MDL), but below the RL; therefore, the result is an estimated concentration.
 - P = The relative percent difference (RPD) between the results for the two columns exceeds the method-specified criteria.
 - U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.
 - B = The analyte was found in the associated analysis batch blank.

Table 3
Composite Soil Sample Analytical Results Summary - PFAS
Imported Material Sampling - Manufactured Organic Topsoil Sampling

700-708 First Avenue
New York, New York
BCP Site No. C231013
Langan Project No. 170446801

Location Sample ID Laboratory ID Sample Date Sample Depth (feet bgs)	NYSDEC Screening Criteria	SOCOMP01 SOCOMP01_110619 19K0220-11 11/6/2019 0 - 0	SOCOMP02 SOCOMP02_110619 19K0220-12 11/6/2019 0 - 0	SOCOMP03 SOCOMP03_110619 19K0220-13 11/6/2019 0 - 0
Per and Polyfluoroalkyl Substances (mg/kg)				
N-ethyl perfluorooctane- sulfonamidoacetic acid (NEtFOSAA)	~	0.00164 U	0.00177 U	0.00176 U
N-methyl perfluorooctane- sulfonamidoacetic acid (NMeFOSAA)	~	0.00164 U	0.00177 U	0.00176 U
Perfluorobutanesulfonic Acid (PFBS)	~	0.00164 U	0.00177 U	0.00176 U
Perfluorobutanoic acid (PFBA)	~	0.00164 U	0.00177 U	0.00176 U
Perfluorodecanesulfonic acid (PFDS)	~	0.00164 U	0.00177 U	0.00176 U
Perfluorodecanoic acid (PFDA)	~	0.00164 U	0.00177 U	0.00176 U
Perfluorododecanoic Acid (PFDoA)	~	0.00164 U	0.00177 U	0.00176 U
Perfluoroheptanesulfonic acid (PFHpS)	~	0.00164 U	0.00177 U	0.00176 U
Perfluoroheptanoic acid (PFHpA)	~	0.00164 U	0.00177 U	0.00176 U
Perfluorohexanesulfonic Acid (PFHxS)	~	0.00164 U	0.00177 U	0.00176 U
Perfluorohexanoic Acid (PFHxA)	~	0.00164 U	0.00177 U	0.00176 U
Perfluorononanoic Acid (PFNA)	~	0.00164 U	0.00177 U	0.00176 U
Perfluorooctanesulfonamide (FOSA)	~	0.00164 U	0.00177 U	0.00176 U
Perfluorooctanesulfonic acid (PFOS)	0.001	<i>0.00164</i> U	<i>0.00177</i> U	<i>0.00176</i> U
Perfluorooctanoic Acid (PFOA)	0.001	<i>0.00164</i> U	<i>0.00177</i> U	<i>0.00176</i> U
Perfluoropentanoic Acid (PFPeA)	~	0.00164 U	0.00177 U	0.00176 U
Perfluorotetradecanoic Acid (PFTA)	~	0.00164 U	0.00177 U	0.00176 U
Perfluorotridecanoic Acid (PFTrDA)	~	0.00164 U	0.00177 U	0.00176 U
Perfluoroundecanoic Acid (PFUnA)	~	0.00164 U	0.00177 U	0.00176 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	~	0.00164 U	0.00177 U	0.00176 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	~	0.00164 U	0.00177 U	0.00176 U

Notes:

- Regulatory criteria do not exist for per- and polyfluoroalkyl substances (PFAS) and 1,4-Dioxane in New York State. Perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) are compared to the United States Environmental Protection Agency (USEPA) health advisory limit of 0.001 milligrams.
- Detected analytical results above the USEPA Health Advisory Limit are bolded and shaded.
- Analytical results with reporting limits (RL) above USEPA Health Advisory Limit are italicized.
- mg/kg = milligrams per kilogram

Qualifiers:

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 4
Composite Sample Analytical Results Summary - PFOA and PFOS
Imported Material Sampling - Manufactured Organic Topsoil Sampling

700-708 First Avenue
New York, New York
BCP Site No. C231013
Langan Project No. 170446801

Location		SOCOMP01	SOCOMP02	SOCOMP03
Sample ID	NYSDEC	SOCOMP01_110619	SOCOMP02_110619	SOCOMP03_110619
Laboratory ID	Screening	19K0220-11	19K0220-12	19K0220-13
Sample Date	Criteria	11/6/2019	11/6/2019	11/6/2019
Sample Depth (feet bgs)		0-0	0-0	0-0
Per and Polyfluoroalkyl Substances (ng/L)				
Perfluorooctanesulfonic acid (PFOS)	~	7.12 D	4.37 D	4.41 D
Perfluorooctanoic Acid (PFOA)	~	6.86 D	6.68 D	7.4 D
Total PFOA and PFOS	70	13.9	11.1	11.8

Notes:

1. Regulatory criteria do not exist for per- and polyfluoroalkyl substances (PFAS) and 1,4-Dioxane in New York State. Perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) are compared to the United States Environmental Protection Agency (USEPA) health advisory limit of 70 parts per trillion.
2. Only detected analytes are shown in the table.
3. Detected analytical results above the USEPA Health Advisory Limit are bolded and shaded.
4. Analytical results with reporting limits (RL) above USEPA Health Advisory Limit are italicized.
5. mg/L = nanograms per liter

Qualifiers:

D = The concentration reported is a result of a diluted sample.

	A	B	C	D	E	F	G	H	I	J	K	L
1	UCL Statistics for Data Sets with Non-Detects											
2												
3	User Selected Options											
4	Date/Time of Computation			ProUCL 5.111/13/2019 2:27:01 PM								
5	From File			Calverton_Acetone.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Number of Bootstrap Operations			2000								
9												
10	Acetone											
11												
12	General Statistics											
13	Total Number of Observations				9		Number of Distinct Observations				9	
14	Number of Detects				5		Number of Non-Detects				4	
15	Number of Distinct Detects				5		Number of Distinct Non-Detects				4	
16	Minimum Detect				0.0084		Minimum Non-Detect				0.0057	
17	Maximum Detect				0.096		Maximum Non-Detect				0.011	
18	Variance Detects				0.00124		Percent Non-Detects				44.44%	
19	Mean Detects				0.0501		SD Detects				0.0353	
20	Median Detects				0.045		CV Detects				0.704	
21	Skewness Detects				0.244		Kurtosis Detects				-1.478	
22	Mean of Logged Detects				-3.288		SD of Logged Detects				0.965	
23												
24	Note: Sample size is small (e.g., <10), if data are collected using ISM approach, you should use											
25	guidance provided in ITRC Tech Reg Guide on ISM (ITRC, 2012) to compute statistics of interest.											
26	For example, you may want to use Chebyshev UCL to estimate EPC (ITRC, 2012).											
27	Chebyshev UCL can be computed using the Nonparametric and All UCL Options of ProUCL 5.1											
28												
29	Normal GOF Test on Detects Only											
30	Shapiro Wilk Test Statistic				0.972		Shapiro Wilk GOF Test					
31	5% Shapiro Wilk Critical Value				0.762		Detected Data appear Normal at 5% Significance Level					
32	Lilliefors Test Statistic				0.157		Lilliefors GOF Test					
33	5% Lilliefors Critical Value				0.343		Detected Data appear Normal at 5% Significance Level					
34	Detected Data appear Normal at 5% Significance Level											
35												
36	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs											
37	KM Mean				0.0304		KM Standard Error of Mean				0.012	
38	KM SD				0.0322		95% KM (BCA) UCL				0.0505	
39	95% KM (t) UCL				0.0527		95% KM (Percentile Bootstrap) UCL				0.0499	
40	95% KM (z) UCL				0.0502		95% KM Bootstrap t UCL				0.0559	
41	90% KM Chebyshev UCL				0.0664		95% KM Chebyshev UCL				0.0827	
42	97.5% KM Chebyshev UCL				0.105		99% KM Chebyshev UCL				0.15	
43												
44	Gamma GOF Tests on Detected Observations Only											
45	A-D Test Statistic				0.218		Anderson-Darling GOF Test					
46	5% A-D Critical Value				0.685		Detected data appear Gamma Distributed at 5% Significance Level					
47	K-S Test Statistic				0.19		Kolmogorov-Smirnov GOF					
48	5% K-S Critical Value				0.361		Detected data appear Gamma Distributed at 5% Significance Level					
49	Detected data appear Gamma Distributed at 5% Significance Level											
50												
51	Gamma Statistics on Detected Data Only											
52	k hat (MLE)				1.851		k star (bias corrected MLE)				0.874	
53	Theta hat (MLE)				0.0271		Theta star (bias corrected MLE)				0.0573	

	A	B	C	D	E	F	G	H	I	J	K	L
54					nu hat (MLE)	18.51					nu star (bias corrected)	8.738
55					Mean (detects)	0.0501						
56												
57					Gamma ROS Statistics using Imputed Non-Detects							
58					GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs							
59					GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)							
60					For such situations, GROS method may yield incorrect values of UCLs and BTVs							
61					This is especially true when the sample size is small.							
62					For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates							
63					Minimum	0.0084					Mean	0.0323
64					Maximum	0.096					Median	0.01
65					SD	0.0327					CV	1.013
66					k hat (MLE)	1.278					k star (bias corrected MLE)	0.926
67					Theta hat (MLE)	0.0252					Theta star (bias corrected MLE)	0.0348
68					nu hat (MLE)	23.01					nu star (bias corrected)	16.67
69					Adjusted Level of Significance (β)	0.0231						
70					Approximate Chi Square Value (16.67, α)	8.438					Adjusted Chi Square Value (16.67, β)	7.238
71					95% Gamma Approximate UCL (use when n>=50)	0.0638					95% Gamma Adjusted UCL (use when n<50)	0.0743
72												
73					Estimates of Gamma Parameters using KM Estimates							
74					Mean (KM)	0.0304					SD (KM)	0.0322
75					Variance (KM)	0.00104					SE of Mean (KM)	0.012
76					k hat (KM)	0.894					k star (KM)	0.67
77					nu hat (KM)	16.09					nu star (KM)	12.06
78					theta hat (KM)	0.034					theta star (KM)	0.0454
79					80% gamma percentile (KM)	0.0501					90% gamma percentile (KM)	0.0772
80					95% gamma percentile (KM)	0.105					99% gamma percentile (KM)	0.172
81												
82					Gamma Kaplan-Meier (KM) Statistics							
83					Approximate Chi Square Value (12.06, α)	5.268					Adjusted Chi Square Value (12.06, β)	4.359
84					95% Gamma Approximate KM-UCL (use when n>=50)	0.0697					95% Gamma Adjusted KM-UCL (use when n<50)	0.0842
85												
86					Lognormal GOF Test on Detected Observations Only							
87					Shapiro Wilk Test Statistic	0.931					Shapiro Wilk GOF Test	
88					5% Shapiro Wilk Critical Value	0.762					Detected Data appear Lognormal at 5% Significance Level	
89					Lilliefors Test Statistic	0.177					Lilliefors GOF Test	
90					5% Lilliefors Critical Value	0.343					Detected Data appear Lognormal at 5% Significance Level	
91					Detected Data appear Lognormal at 5% Significance Level							
92												
93					Lognormal ROS Statistics Using Imputed Non-Detects							
94					Mean in Original Scale	0.0292					Mean in Log Scale	-4.385
95					SD in Original Scale	0.0351					SD in Log Scale	1.474
96					95% t UCL (assumes normality of ROS data)	0.051					95% Percentile Bootstrap UCL	0.0492
97					95% BCA Bootstrap UCL	0.0518					95% Bootstrap t UCL	0.0708
98					95% H-UCL (Log ROS)	0.362						
99												
100					Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution							
101					KM Mean (logged)	-4.112					KM Geo Mean	0.0164
102					KM SD (logged)	1.126					95% Critical H Value (KM-Log)	3.525
103					KM Standard Error of Mean (logged)	0.42					95% H-UCL (KM -Log)	0.125
104					KM SD (logged)	1.126					95% Critical H Value (KM-Log)	3.525
105					KM Standard Error of Mean (logged)	0.42						
106												

	A	B	C	D	E	F	G	H	I	J	K	L
107	DL/2 Statistics											
108	DL/2 Normal						DL/2 Log-Transformed					
109	Mean in Original Scale					0.0295	Mean in Log Scale					-4.323
110	SD in Original Scale					0.0349	SD in Log Scale					1.415
111	95% t UCL (Assumes normality)					0.0511	95% H-Stat UCL					0.299
112	DL/2 is not a recommended method, provided for comparisons and historical reasons											
113												
114	Nonparametric Distribution Free UCL Statistics											
115	Detected Data appear Normal Distributed at 5% Significance Level											
116												
117	Suggested UCL to Use											
118	95% KM (t) UCL					0.0527						
119												
120	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
121	Recommendations are based upon data size, data distribution, and skewness.											
122	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
123	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
124												

Field Photographs
Organic Topsoil Sampling
TS Haulers, Calverton, NY
November 19, 2019



Photograph 1: View of manufactured organic topsoil stockpile at TS Haulers



Photograph 2: View of TS Haulers facility and stockpile locations

Field Photographs
Organic Topsoil Sampling
TS Haulers, Calverton, NY
November 19, 2019



Photograph 3: Close-up view of manufactured organic topsoil



**REGISTRATION FORM FOR A
SOLID WASTE MANAGEMENT FACILITY**

Please read and follow all instructions before completing this registration form

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DEPARTMENT USE ONLY

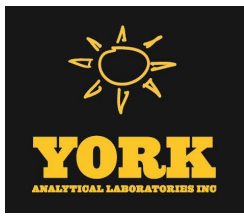
DEC REGISTRATION #

52W77R

DEC ADMINISTRATION #

ISSUE DATE RECEIVED 01/04/99

1. FACILITY NAME AND LOCATION <u>T. S. Haulers Inc.</u>		2. FACILITY OWNER'S NAME <u>Edward Partridge</u>	
Street <u>P.O. Box 263, Route 25</u>		Mailing Address <u>P.O. Box 387</u>	
City/Village <u>Calverton, NY 11933</u>		City/Town/Village <u>Wading River</u>	
Town <u>Riverhead</u> County <u>Suffolk</u>		State/Zip Code <u>NY, 11792</u>	
Telephone Number <u>(516) 369-1265</u>		Telephone Number <u>(516) 369-1265</u>	
3. FACILITY OPERATOR'S NAME (if different)		4. SITE OWNER'S NAME (if different)	
Mailing Address		Mailing Address	
City/Town/Village		City/Town/Village	
State/Zip Code		State/Zip Code	
Telephone Number ()		Telephone Number ()	
5. TYPE OF FACILITY REGISTRATION (check all applicable boxes)			
☐ Energy Recovery Incinerators or Pyrolysis Units [360-3.1(c)]		☐ Waste Tire Retreaders [360-13.1(d)(1)(i)]	
☐ Land Application and Sludge Storage Facilities [360-4.1(c)]		☐ Waste Tire Stored for On-site Energy Recovery [360-13.1(d)(1)(ii)]	
☐ Land Clearing Debris Landfills three acres or less [360-7.2(a)]		☐ Tire Dealers Selling Waste Tires [360-13.1(d)(1)(iii)]	
☐ Transfer Stations (municipally owned/operated/contracted) receiving less than 50,000 cubic yards or 1,500 tons of household solid waste annually [360-11.1(b)(1)]		☐ Tire Manufacturing Facilities [360-13.1(d)(1)(iv)]	
☐ Transfer Stations (municipally owned/operated/contracted) receiving less than 50,000 cubic yards or 1,500 tons of containerized solid waste annually [360-11.1(b)(2)]		☒ Processing Facilities Receiving Only Recognizable Uncontaminated Concrete, Asphalt Pavement, Brick, Soil or Rock [360-16.1(d)(1)(i)]	
☐ Source Separated, Nonputrescible Solid Waste Recyclables Handling and Recovery Facilities [360-12.1(d)]		☐ Uncontaminated Unadulterated Wood Processing Facilities [360-18.1(d)(1)(i)]	
☐ Other Facilities not specifically described above, Specify Type _____			
6. SOLID WASTE HANDLED		7. OPERATIONS SCHEDULE - Normal schedule of operation	
a. <u>Hot wastes and/or materials to be accepted</u> <u>Concrete Brick Asphalt</u>		<u>8am - 430pm Mon - Fri</u>	
b. Quantity (specify Units - see instructions) design capacity <u>600 yds / day</u> storage on site <u>20,000 yds</u>		8. NAME(S) OF ALL MUNICIPALITIES SERVED <u>QUEENS, Nassau</u> <u>Suffolk, Brooklyn</u>	
9. CERTIFICATION: I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits was prepared by me or under my supervision and direction and is true to the best of my knowledge and belief, and that I have the authority as <u>President</u> (title) of <u>T.S. Haulers Inc</u> (Entity) to sign this registration form pursuant to 6 NYCRR Part 360. By signing this registration form, I affirm that I have read the applicable regulations and will abide by all conditions of the registration requirements. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.			
Printed/Typed Name <u>Edward Partridge</u>		Signature <u>Edward Partridge</u> Mo <u>1</u> Day <u>30</u> Year <u>98</u>	



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Greg Wyka

Report Date: 11/11/2019

Client Project ID: 170446801

York Project (SDG) No.: 19K0220

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 11/11/2019
Client Project ID: 170446801
York Project (SDG) No.: 19K0220

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Greg Wyka

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 November 06, 2019 and listed below. The project was identified as your project: **170446801**.

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>
19K0220-01	SGRAB01_110619	Soil	11/06/2019	11/06/2019
19K0220-02	SGRAB02_110619	Soil	11/06/2019	11/06/2019
19K0220-03	SGRAB03_110619	Soil	11/06/2019	11/06/2019
19K0220-04	SGRAB06_110619	Soil	11/06/2019	11/06/2019
19K0220-05	SGRAB07_110619	Soil	11/06/2019	11/06/2019
19K0220-06	SGRAB08_110619	Soil	11/06/2019	11/06/2019
19K0220-07	SGRAB11_110619	Soil	11/06/2019	11/06/2019
19K0220-08	SGRAB12_110619	Soil	11/06/2019	11/06/2019
19K0220-09	SGRAB13_110619	Soil	11/06/2019	11/06/2019
19K0220-10	TB01_110619	Water	11/06/2019	11/06/2019
19K0220-11	SOCOMP01_110619	Soil	11/06/2019	11/06/2019
19K0220-12	SOCOMP02_110619	Soil	11/06/2019	11/06/2019
19K0220-13	SOCOMP03_110619	Soil	11/06/2019	11/06/2019
19K0220-14	FB01_110619	Water	11/06/2019	11/06/2019

General Notes for York Project (SDG) No.: 19K0220

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:



Benjamin Gulizia
Laboratory Director

Date: 11/11/2019





Sample Information

Client Sample ID: SOGRAB01_110619

York Sample ID: 19K0220-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K0220

170446801

Soil

November 6, 2019 10:59 am

11/06/2019

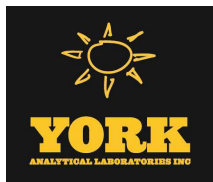
Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/06/2019 23:46	LLJ
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/06/2019 23:46	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/06/2019 23:46	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/06/2019 16:56	11/06/2019 23:46	LLJ
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/06/2019 23:46	LLJ
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/06/2019 23:46	LLJ
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/06/2019 23:46	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/06/2019 23:46	LLJ
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/06/2019 16:56	11/06/2019 23:46	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/06/2019 23:46	LLJ
95-63-6	1,2,4-Trimethylbenzene	0.012		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/06/2019 23:46	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/06/2019 23:46	LLJ
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/06/2019 23:46	LLJ
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/06/2019 23:46	LLJ
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/06/2019 23:46	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/06/2019 23:46	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/06/2019 23:46	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/06/2019 23:46	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/06/2019 23:46	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.087	0.17	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/06/2019 23:46	LLJ
78-93-3	2-Butanone	0.011	J, B	mg/kg dry	0.0044	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/06/2019 23:46	LLJ
591-78-6	2-Hexanone	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/06/2019 23:46	LLJ



Sample Information

Client Sample ID: SOGRAB01_110619

York Sample ID: 19K0220-01

York Project (SDG) No.

19K0220

Client Project ID

170446801

Matrix

Soil

Collection Date/Time

November 6, 2019 10:59 am

Date Received

11/06/2019

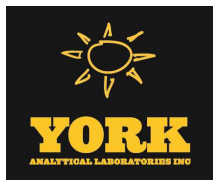
Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
67-64-1	Acetone	0.096	CCV-E	mg/kg dry	0.0087	0.017	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
107-02-8	Acrolein	ND		mg/kg dry	0.0087	0.017	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
71-43-2	Benzene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
110-82-7	Cyclohexane	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ



Sample Information

Client Sample ID: SOGRAB01_110619

York Sample ID: 19K0220-01

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 10:59 am

Date Received
11/06/2019

Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
75-09-2	Methylene chloride	0.014	J	mg/kg dry	0.0087	0.017	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0087	0.017	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
75-65-0	tert-Butyl alcohol (TBA)	0.026	CCV-E	mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
108-88-3	Toluene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.013	0.026	1	EPA 8260C Certifications:	11/06/2019 16:56	11/06/2019 23:46	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	95.8 %	77-125								



Sample Information

Client Sample ID: SOGRAB01_110619

York Sample ID: 19K0220-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K0220

170446801

Soil

November 6, 2019 10:59 am

11/06/2019

Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: SURR: Toluene-d8	97.4 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %			76-130						

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	75.8		%	0.100	1	SM 2540G Certifications: CTDOH	11/07/2019 13:02	11/07/2019 13:03	WL

Sample Information

Client Sample ID: SOGRAB02_110619

York Sample ID: 19K0220-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K0220

170446801

Soil

November 6, 2019 11:01 am

11/06/2019

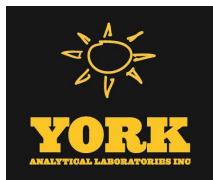
Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ



Sample Information

Client Sample ID: SOGRAB02_110619

York Sample ID: 19K0220-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K0220

170446801

Soil

November 6, 2019 11:01 am

11/06/2019

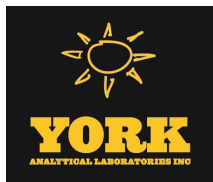
Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	0.011	J	mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.14	0.27	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
78-93-3	2-Butanone	0.020	J, B	mg/kg dry	0.0068	0.027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
591-78-6	2-Hexanone	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
67-64-1	Acetone	0.045	CCV-E	mg/kg dry	0.014	0.027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
107-02-8	Acrolein	ND		mg/kg dry	0.014	0.027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
71-43-2	Benzene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ



Sample Information

Client Sample ID: SOGRAB02_110619

York Sample ID: 19K0220-02

York Project (SDG) No.

19K0220

Client Project ID

170446801

Matrix

Soil

Collection Date/Time

November 6, 2019 11:01 am

Date Received

11/06/2019

Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
110-82-7	Cyclohexane	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
75-09-2	Methylene chloride	0.015	J	mg/kg dry	0.014	0.027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.014	0.027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ



Sample Information

Client Sample ID: SOGRAB02_110619

York Sample ID: 19K0220-02

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:01 am

Date Received
11/06/2019

Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
75-65-0	tert-Butyl alcohol (TBA)	0.021	CCV-E	mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
108-88-3	Toluene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.021	0.041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/06/2019 16:56	11/07/2019 00:12	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.6 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	96.4 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.9 %	76-130								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	84.3		%	0.100	1	SM 2540G Certifications: CTDOH	11/07/2019 13:02	11/07/2019 13:03	WL

Sample Information

Client Sample ID: SOGRAB03_110619

York Sample ID: 19K0220-03

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:03 am

Date Received
11/06/2019



Sample Information

Client Sample ID: SOGRAB03_110619

York Sample ID: 19K0220-03

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:03 am

Date Received
11/06/2019

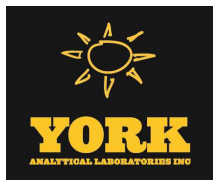
Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
95-63-6	1,2,4-Trimethylbenzene	0.0063	J	mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.11	0.22	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
78-93-3	2-Butanone	0.012	J, B	mg/kg dry	0.0056	0.022	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
591-78-6	2-Hexanone	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ



Sample Information

Client Sample ID: SOGRAB03_110619

York Sample ID: 19K0220-03

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
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Collection Date/Time
November 6, 2019 11:03 am

Date Received
11/06/2019

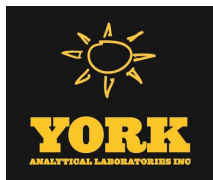
Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		mg/kg dry	0.011	0.022	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 00:39	LLJ
107-02-8	Acrolein	ND		mg/kg dry	0.011	0.022	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 00:39	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 00:39	LLJ
71-43-2	Benzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 00:39	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 00:39	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 00:39	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 00:39	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 00:39	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 00:39	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 00:39	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 00:39	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 00:39	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 00:39	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 00:39	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 00:39	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 00:39	LLJ
110-82-7	Cyclohexane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 00:39	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 00:39	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 00:39	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 00:39	LLJ
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 00:39	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 00:39	LLJ
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 00:39	LLJ



Sample Information

Client Sample ID: SOGRAB03_110619

York Sample ID: 19K0220-03

York Project (SDG) No.
19K0220

Client Project ID
170446801

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Collection Date/Time
November 6, 2019 11:03 am

Date Received
11/06/2019

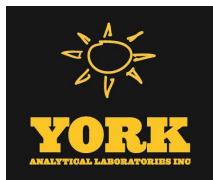
Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
75-09-2	Methylene chloride	ND		mg/kg dry	0.011	0.022	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.011	0.022	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
108-88-3	Toluene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.017	0.033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/06/2019 16:56	11/07/2019 00:39	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	97.8 %	77-125								
2037-26-5	Surrogate: SURRE: Toluene-d8	96.7 %	85-120								



Sample Information

Client Sample ID: SOGRAB03_110619

York Sample ID: 19K0220-03

York Project (SDG) No.

Client Project ID

Matrix

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19K0220

170446801

Soil

November 6, 2019 11:03 am

11/06/2019

Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.1 %			76-130						

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	80.5		%	0.100	1	SM 2540G Certifications: CTDOH	11/07/2019 13:02	11/07/2019 13:03	WL

Sample Information

Client Sample ID: SOGRAB06_110619

York Sample ID: 19K0220-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K0220

170446801

Soil

November 6, 2019 11:12 am

11/06/2019

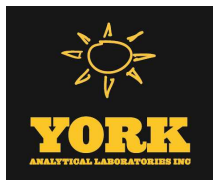
Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ



Sample Information

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York Project (SDG) No.

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19K0220

170446801

Soil

November 6, 2019 11:12 am

11/06/2019

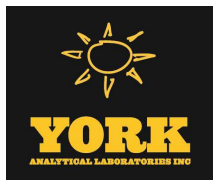
Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:05	LLJ
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:05	LLJ
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:05	LLJ
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:05	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:05	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:05	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:05	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:05	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.071	0.14	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:05	LLJ
78-93-3	2-Butanone	0.0090	J, B	mg/kg dry	0.0036	0.014	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:05	LLJ
591-78-6	2-Hexanone	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:05	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:05	LLJ
67-64-1	Acetone	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:05	LLJ
107-02-8	Acrolein	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:05	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:05	LLJ
71-43-2	Benzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:05	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:05	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:05	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:05	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:05	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:05	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:05	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:05	LLJ



Sample Information

Client Sample ID: SOGRAB06_110619

York Sample ID: 19K0220-04

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:12 am

Date Received
11/06/2019

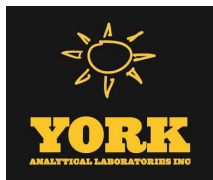
Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
110-82-7	Cyclohexane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
75-09-2	Methylene chloride	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ



Sample Information

Client Sample ID: SOGRAB06_110619

York Sample ID: 19K0220-04

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:12 am

Date Received
11/06/2019

Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	0.0072	CCV-E	mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
108-88-3	Toluene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.011	0.021	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/06/2019 16:56	11/07/2019 01:05	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.1 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	97.1 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.7 %	76-130								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	80.5		%	0.100	1	SM 2540G Certifications: CTDOH	11/07/2019 13:02	11/07/2019 13:03	WL

Sample Information

Client Sample ID: SOGRAB07_110619

York Sample ID: 19K0220-05

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

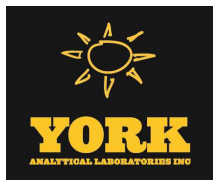
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November 6, 2019 11:14 am

Date Received
11/06/2019

Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SOGRAB07_110619

York Sample ID: 19K0220-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K0220

170446801

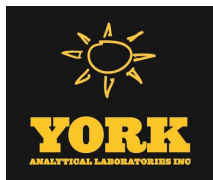
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November 6, 2019 11:14 am

11/06/2019

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:32	LLJ
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:32	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:32	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/06/2019 16:56	11/07/2019 01:32	LLJ
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:32	LLJ
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:32	LLJ
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:32	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:32	LLJ
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/06/2019 16:56	11/07/2019 01:32	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:32	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:32	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:32	LLJ
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:32	LLJ
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:32	LLJ
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:32	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:32	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:32	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:32	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:32	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.057	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:32	LLJ
78-93-3	2-Butanone	0.0070	J, B	mg/kg dry	0.0028	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:32	LLJ
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:32	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:32	LLJ
67-64-1	Acetone	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:32	LLJ



Sample Information

Client Sample ID: SOGRAB07_110619

York Sample ID: 19K0220-05

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:14 am

Date Received
11/06/2019

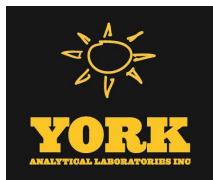
Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ



Sample Information

Client Sample ID: SOGRAB07_110619

York Sample ID: 19K0220-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K0220

170446801

Soil

November 6, 2019 11:14 am

11/06/2019

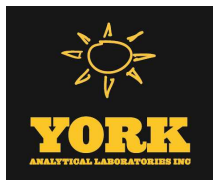
Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
								CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
								NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
								CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
								CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
								CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
								CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
								CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
								CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
								CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
								CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
								NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
								CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
								CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
								CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
								CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
								CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
								CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
								CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
								CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0085	0.017	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 01:32	LLJ
								CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	96.9 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	97.2 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.1 %	76-130								



Sample Information

Client Sample ID: SOGRAB07_110619

York Sample ID: 19K0220-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K0220

170446801

Soil

November 6, 2019 11:14 am

11/06/2019

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	79.5		%	0.100	1	SM 2540G	11/07/2019 13:02	11/07/2019 13:03	WL
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SOGRAB08_110619

York Sample ID: 19K0220-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K0220

170446801

Soil

November 6, 2019 11:16 am

11/06/2019

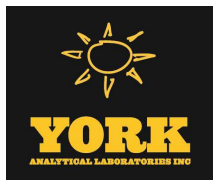
Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	11/06/2019 16:56	11/07/2019 01:58	LLJ
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	11/06/2019 16:56	11/07/2019 01:58	LLJ
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	11/06/2019 16:56	11/07/2019 01:58	LLJ
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	11/06/2019 16:56	11/07/2019 01:58	LLJ
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	11/06/2019 16:56	11/07/2019 01:58	LLJ
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	11/06/2019 16:56	11/07/2019 01:58	LLJ
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	11/06/2019 16:56	11/07/2019 01:58	LLJ
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	11/06/2019 16:56	11/07/2019 01:58	LLJ
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	11/06/2019 16:56	11/07/2019 01:58	LLJ
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	11/06/2019 16:56	11/07/2019 01:58	LLJ
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	11/06/2019 16:56	11/07/2019 01:58	LLJ
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	11/06/2019 16:56	11/07/2019 01:58	LLJ
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	11/06/2019 16:56	11/07/2019 01:58	LLJ
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C	11/06/2019 16:56	11/07/2019 01:58	LLJ
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



Sample Information

Client Sample ID: SOGRAB08_110619

York Sample ID: 19K0220-06

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:16 am

Date Received
11/06/2019

Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.067	0.13	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
78-93-3	2-Butanone	0.0063	J, B	mg/kg dry	0.0034	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
591-78-6	2-Hexanone	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
67-64-1	Acetone	0.0084	CCV-E, J	mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
107-02-8	Acrolein	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
71-43-2	Benzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ



Sample Information

Client Sample ID: SOGRAB08_110619

York Sample ID: 19K0220-06

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:16 am

Date Received
11/06/2019

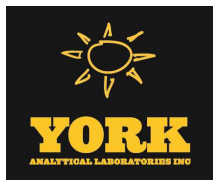
Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
110-82-7	Cyclohexane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
75-09-2	Methylene chloride	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ



Sample Information

Client Sample ID: SOGRAB08_110619

York Sample ID: 19K0220-06

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:16 am

Date Received
11/06/2019

Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0034	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.010	0.020	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/06/2019 16:56	11/07/2019 01:58	LLJ
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	93.6 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	97.7 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %		76-130							

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	80.4		%	0.100	1	SM 2540G Certifications: CTDOH	11/07/2019 13:02	11/07/2019 13:03	WL

Sample Information

Client Sample ID: SOGRAB11_110619

York Sample ID: 19K0220-07

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:20 am

Date Received
11/06/2019

Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ



Sample Information

Client Sample ID: SOGRAB11_110619

York Sample ID: 19K0220-07

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:20 am

Date Received
11/06/2019

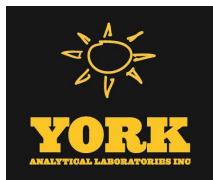
Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.068	0.14	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
78-93-3	2-Butanone	0.0084	J, B	mg/kg dry	0.0034	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
591-78-6	2-Hexanone	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
67-64-1	Acetone	0.074	CCV-E	mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ



Sample Information

Client Sample ID: SOGRAB11_110619

York Sample ID: 19K0220-07

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:20 am

Date Received
11/06/2019

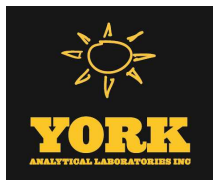
Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 02:25	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 02:25	LLJ
71-43-2	Benzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 02:25	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 02:25	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 02:25	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 02:25	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 02:25	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 02:25	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 02:25	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 02:25	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 02:25	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 02:25	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 02:25	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 02:25	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 02:25	LLJ
110-82-7	Cyclohexane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 02:25	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 02:25	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 02:25	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 02:25	LLJ
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 02:25	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 02:25	LLJ
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 02:25	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 02:25	LLJ



Sample Information

Client Sample ID: SOGRAB11_110619

York Sample ID: 19K0220-07

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:20 am

Date Received
11/06/2019

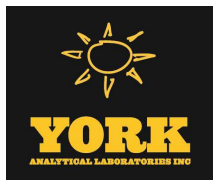
Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
75-09-2	Methylene chloride	0.0086	J	mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
75-65-0	tert-Butyl alcohol (TBA)	0.029	CCV-E	mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
108-88-3	Toluene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.010	0.020	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/06/2019 16:56	11/07/2019 02:25	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	97.1 %	77-125								
2037-26-5	Surrogate: SURRE: Toluene-d8	97.9 %	85-120								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	99.9 %	76-130								



Sample Information

Client Sample ID: SOGRAB11_110619

York Sample ID: 19K0220-07

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:20 am

Date Received
11/06/2019

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	82.4		%	0.100	1	SM 2540G Certifications: CTDH	11/07/2019 13:02	11/07/2019 13:03	WL

Sample Information

Client Sample ID: SOGRAB12_110619

York Sample ID: 19K0220-08

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:22 am

Date Received
11/06/2019

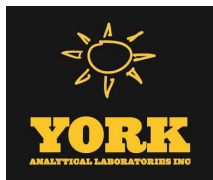
Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ



Sample Information

Client Sample ID: SOGRAB12_110619

York Sample ID: 19K0220-08

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:22 am

Date Received
11/06/2019

Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.063	0.13	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
78-93-3	2-Butanone	0.0070	J, B	mg/kg dry	0.0031	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
591-78-6	2-Hexanone	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
67-64-1	Acetone	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
107-02-8	Acrolein	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
71-43-2	Benzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ



Sample Information

Client Sample ID: SOGRAB12_110619

York Sample ID: 19K0220-08

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:22 am

Date Received
11/06/2019

Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
110-82-7	Cyclohexane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
75-09-2	Methylene chloride	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ



Sample Information

Client Sample ID: SOGRAB12_110619

York Sample ID: 19K0220-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K0220

170446801

Soil

November 6, 2019 11:22 am

11/06/2019

Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0094	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/06/2019 16:56	11/07/2019 02:52	LLJ
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.1 %				77-125					
2037-26-5	Surrogate: SURR: Toluene-d8	97.4 %				85-120					
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.5 %				76-130					

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	78.8		%	0.100	1	SM 2540G Certifications: CTDOH	11/07/2019 13:02	11/07/2019 13:03	WL

Sample Information

Client Sample ID: SOGRAB13_110619

York Sample ID: 19K0220-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K0220

170446801

Soil

November 6, 2019 11:24 am

11/06/2019

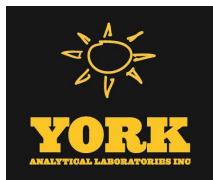
Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ



Sample Information

Client Sample ID: SOGRAB13_110619

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Soil

November 6, 2019 11:24 am

11/06/2019

Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.064	0.13	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
78-93-3	2-Butanone	0.0069	J, B	mg/kg dry	0.0032	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
591-78-6	2-Hexanone	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
67-64-1	Acetone	0.027	CCV-E	mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ



Sample Information

Client Sample ID: SOGRAB13_110619

York Sample ID: 19K0220-09

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:24 am

Date Received
11/06/2019

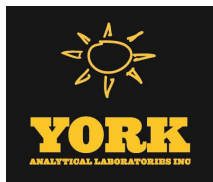
Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 03:18	LLJ
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 03:18	LLJ
71-43-2	Benzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 03:18	LLJ
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 03:18	LLJ
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 03:18	LLJ
75-25-2	Bromoform	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 03:18	LLJ
74-83-9	Bromomethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 03:18	LLJ
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 03:18	LLJ
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 03:18	LLJ
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 03:18	LLJ
75-00-3	Chloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 03:18	LLJ
67-66-3	Chloroform	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 03:18	LLJ
74-87-3	Chloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 03:18	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 03:18	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 03:18	LLJ
110-82-7	Cyclohexane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 03:18	LLJ
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 03:18	LLJ
74-95-3	Dibromomethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 03:18	LLJ
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 03:18	LLJ
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 03:18	LLJ
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 03:18	LLJ
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 03:18	LLJ
79-20-9	Methyl acetate	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications:	11/06/2019 16:56	11/07/2019 03:18	LLJ



Sample Information

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York Project (SDG) No.

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Client Project ID

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Collection Date/Time

November 6, 2019 11:24 am

Date Received

11/06/2019

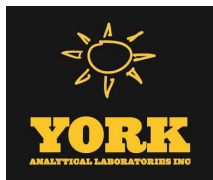
Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
75-09-2	Methylene chloride	0.011	J	mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
95-47-6	o-Xylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
100-42-5	Styrene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
75-65-0	tert-Butyl alcohol (TBA)	0.011	CCV-E	mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
108-88-3	Toluene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0096	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/06/2019 16:56	11/07/2019 03:18	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	97.1 %	77-125								
2037-26-5	Surrogate: SURRE: Toluene-d8	97.1 %	85-120								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	97.7 %	76-130								



Sample Information

Client Sample ID: SOGRAB13_110619

York Sample ID: 19K0220-09

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:24 am

Date Received
11/06/2019

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	82.9		%	0.100	1	SM 2540G Certifications: CTDH	11/07/2019 13:02	11/07/2019 13:03	WL

Sample Information

Client Sample ID: TB01_110619

York Sample ID: 19K0220-10

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Water

Collection Date/Time
November 6, 2019 12:00 am

Date Received
11/06/2019

Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ



Sample Information

Client Sample ID: TB01_110619

York Sample ID: 19K0220-10

York Project (SDG) No.

19K0220

Client Project ID

170446801

Matrix

Water

Collection Date/Time

November 6, 2019 12:00 am

Date Received

11/06/2019

Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
78-93-3	2-Butanone	0.320	B	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
67-64-1	Acetone	1.54	CCV-E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ



Sample Information

Client Sample ID: TB01_110619

York Sample ID: 19K0220-10

York Project (SDG) No.

19K0220

Client Project ID

170446801

Matrix

Water

Collection Date/Time

November 6, 2019 12:00 am

Date Received

11/06/2019

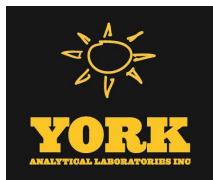
Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
75-09-2	Methylene chloride	1.32		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ



Sample Information

Client Sample ID: TB01_110619

York Sample ID: 19K0220-10

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Water

Collection Date/Time
November 6, 2019 12:00 am

Date Received
11/06/2019

Volatiles, 8260 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/06/2019 13:05	11/07/2019 02:35	LLJ
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	105 %		69-130							
2037-26-5	Surrogate: SURR: Toluene-d8	94.9 %		81-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	108 %		79-122							

Sample Information

Client Sample ID: SOCOMP01_110619

York Sample ID: 19K0220-11

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:45 am

Date Received
11/06/2019

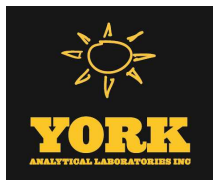
Semivolatiles, 8270 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0994	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR



Sample Information

Client Sample ID: SOCOMP01_110619

York Sample ID: 19K0220-11

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:45 am

Date Received
11/06/2019

Semivolatiles, 8270 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0994	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0994	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0994	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0994	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0994	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR



Sample Information

Client Sample ID: SOCOMP01_110619

York Sample ID: 19K0220-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K0220

170446801

Soil

November 6, 2019 11:45 am

11/06/2019

Semivolatiles, 8270 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0994	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0994	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
208-96-8	Acenaphthylene	0.0517	J	mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
62-53-3	Aniline	ND	CCV-L	mg/kg dry	0.199	0.398	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
120-12-7	Anthracene	0.122		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
1912-24-9	Atrazine	ND	CCV-L	mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
100-52-7	Benzaldehyde	ND	CCV-L	mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
92-87-5	Benzidine	ND	CCV-L	mg/kg dry	0.199	0.398	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
56-55-3	Benzo(a)anthracene	0.421		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
50-32-8	Benzo(a)pyrene	0.466		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
205-99-2	Benzo(b)fluoranthene	0.381		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
191-24-2	Benzo(g,h,i)perylene	0.273		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
207-08-9	Benzo(k)fluoranthene	0.359		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCV-L	mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.238		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR



Sample Information

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Semivolatiles, 8270 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.0994	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
218-01-9	Chrysene	0.413		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
53-70-3	Dibenzo(a,h)anthracene	0.0930	J	mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
206-44-0	Fluoranthene	0.889		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.246		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
62-75-9	N-Nitrosodimethylamine	ND	CCV-L	mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR



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Semivolatiles, 8270 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	0.507		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
108-95-2	Phenol	ND		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
129-00-0	Pyrene	0.653		mg/kg dry	0.0498	0.0994	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 09:59	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	49.4 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	47.5 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	53.8 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	63.5 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	81.4 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	69.0 %			24-116						

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.80	1	EPA 8270D SIM Certifications: NELAC-NY10854	11/07/2019 13:19	11/07/2019 19:00	KH
Surrogate Recoveries		Result			Acceptance Range					
17647-74-4	Surrogate: 1,4-Dioxane-d8	60.0 %			50-130					

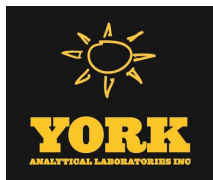
PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	1.64	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 18:40	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	1.64	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 18:40	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	1.64	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 18:40	KT
3871-99-6	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	1.64	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 18:40	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	1.64	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 18:40	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	1.64	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 18:40	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	1.64	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 18:40	KT



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PFAS, NYSDEC Target List

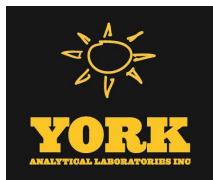
Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	1.64	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 18:40	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	1.64	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 18:40	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	1.64	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 18:40	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	1.64	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 18:40	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	1.64	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 18:40	KT
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	1.64	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 18:40	KT
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	1.64	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 18:40	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	1.64	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 18:40	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	1.64	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 18:40	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	1.64	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 18:40	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	1.64	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 18:40	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	1.64	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 18:40	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	1.64	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 18:40	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	1.64	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 18:40	KT

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	74.5 %	25-150
Surrogate: M5PFHxA	71.2 %	25-150
Surrogate: M4PFHpA	93.9 %	25-150
Surrogate: M3PFHxS	80.4 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	77.3 %	25-150
Surrogate: M6PFDA	56.6 %	25-150
Surrogate: M7PFUdA	54.9 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	55.4 %	25-150
Surrogate: M2PFTeDA	47.6 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	77.6 %	25-150



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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	77.4 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	75.0 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	66.0 %			10-150					
	Surrogate: d3-N-MeFOSAA	119 %			25-150					
	Surrogate: d5-N-EtFOSAA	130 %			25-150					
	Surrogate: M2-6:2 FTS	272 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	362 %	PFSu-H		25-150					
	Surrogate: M9PFNA	73.1 %			25-150					

PFAS, SPLP NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1312-modified-PFAS

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-67-1	* Perfluorooctanoic acid (PFOA)	6.86		ng/L	2.00	2	EPA 537m Certifications:	11/08/2019 15:11	11/08/2019 23:41	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	7.12		ng/L	2.00	2	EPA 537m Certifications:	11/08/2019 15:11	11/08/2019 23:41	KT
	Surrogate Recoveries	Result		Acceptance Range						
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	69.9 %		25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	69.9 %		25-150						

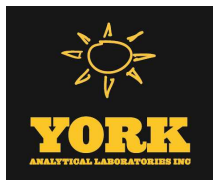
PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	0.00276		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:12	CM
72-55-9	4,4'-DDE	0.00451		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:12	CM
50-29-3	4,4'-DDT	0.00619		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:12	CM
309-00-2	Aldrin	0.0156		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:12	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:12	CM
5103-71-9	alpha-Chlordane	0.0188		mg/kg dry	0.00197	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	11/06/2019 15:56	11/07/2019 11:12	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:12	CM



Sample Information

Client Sample ID: SOCOMP01_110619

York Sample ID: 19K0220-11

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:45 am

Date Received
11/06/2019

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:12	CM
60-57-1	Dieldrin	0.0138		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:12	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:12	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	11/06/2019 15:56	11/07/2019 11:12	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:12	CM
72-20-8	Endrin	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:12	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:12	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:12	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:12	CM
5566-34-7	gamma-Chlordane	0.0222		mg/kg dry	0.00197	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	11/06/2019 15:56	11/07/2019 11:12	CM
76-44-8	Heptachlor	0.00353		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:12	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:12	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:12	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:12	CM
57-74-9	* Chlordane, total	0.0821		mg/kg dry	0.0393	5	EPA 8081B Certifications:	11/06/2019 15:56	11/07/2019 11:12	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	62.6 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	70.4 %	30-150							

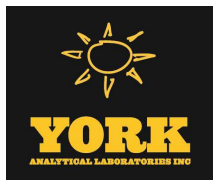
Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:12	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:12	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:12	SR



Sample Information

Client Sample ID: SOCOMP01_110619

York Sample ID: 19K0220-11

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:45 am

Date Received
11/06/2019

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:12	SR
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:12	SR
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:12	SR
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:12	SR
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:12	SR
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:12	SR
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications:	11/06/2019 15:56	11/07/2019 10:12	SR
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	66.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	62.5 %		30-120						

Herbicides, 8151 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0238	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 07:50	11/07/2019 12:20	SR
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0238	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 07:50	11/07/2019 12:20	SR
94-75-7	2,4-D	ND		mg/kg dry	0.0238	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 07:50	11/07/2019 12:20	SR
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	54.0 %		21-150						

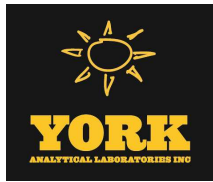
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7800		mg/kg dry	5.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:09	TJM
7440-36-0	Antimony	ND		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:09	TJM
7440-38-2	Arsenic	6.03		mg/kg dry	1.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:09	TJM



Sample Information

Client Sample ID: SOCOMP01_110619

York Sample ID: 19K0220-11

York Project (SDG) No.

19K0220

Client Project ID

170446801

Matrix

Soil

Collection Date/Time

November 6, 2019 11:45 am

Date Received

11/06/2019

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	Barium	79.1		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:09	TJM
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:09	TJM
7440-43-9	Cadmium	0.406		mg/kg dry	0.359	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:09	TJM
7440-70-2	Calcium	9340		mg/kg dry	5.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:09	TJM
7440-47-3	Chromium	16.9		mg/kg dry	0.598	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:09	TJM
7440-48-4	Cobalt	5.60		mg/kg dry	0.479	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:09	TJM
7440-50-8	Copper	30.2		mg/kg dry	2.39	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:09	TJM
7439-89-6	Iron	13100		mg/kg dry	29.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:09	TJM
7439-92-1	Lead	93.4		mg/kg dry	0.598	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:09	TJM
7439-95-4	Magnesium	3170		mg/kg dry	5.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:09	TJM
7439-96-5	Manganese	239		mg/kg dry	0.598	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:09	TJM
7440-02-0	Nickel	16.1		mg/kg dry	1.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:09	TJM
7440-09-7	Potassium	1340		mg/kg dry	5.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:09	TJM
7782-49-2	Selenium	ND		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:09	TJM
7440-22-4	Silver	ND		mg/kg dry	0.598	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:09	TJM
7440-23-5	Sodium	150		mg/kg dry	59.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:09	TJM
7440-28-0	Thallium	ND		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:09	TJM
7440-62-2	Vanadium	21.0		mg/kg dry	1.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:09	TJM
7440-66-6	Zinc	102		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:09	TJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

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

Client Sample ID: SOCOMP01_110619

York Sample ID: 19K0220-11

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:45 am

Date Received
11/06/2019

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.182		mg/kg dry	0.0359	1	EPA 7473	11/06/2019 20:47	11/06/2019 21:03	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.6		%	0.100	1	SM 2540G	11/07/2019 08:53	11/07/2019 16:04	AD
							Certifications:	CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.598	1	EPA 7196A	11/07/2019 08:48	11/07/2019 16:39	MSP
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	16.9		mg/kg	0.500	1	Calculation	11/07/2019 08:52	11/07/2019 16:45	MSP
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.598	1	EPA 9014/9010C	11/07/2019 08:59	11/07/2019 12:36	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

SPLP Extraction for PFAS 1312

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1312 SPLP Extraction for PFAS

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		%	1.00	1	EPA 1312	11/07/2019 12:17	11/08/2019 09:53	TAJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		



Sample Information

Client Sample ID: SOCOMP02_110619

York Sample ID: 19K0220-12

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 12:10 pm

Date Received
11/06/2019

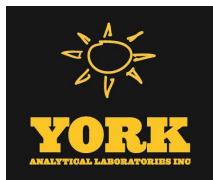
Semivolatiles, 8270 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.103	0.205	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.103	0.205	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.103	0.205	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.103	0.205	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR



Sample Information

Client Sample ID: SOCOMP02_110619

York Sample ID: 19K0220-12

York Project (SDG) No.

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Collection Date/Time

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19K0220

170446801

Soil

November 6, 2019 12:10 pm

11/06/2019

Semivolatiles, 8270 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.103	0.205	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 10:31	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.103	0.205	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 10:31	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 10:31	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 10:31	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 10:31	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 10:31	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.103	0.205	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 10:31	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.103	0.205	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 10:31	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 10:31	SR
208-96-8	Acenaphthylene	0.0516	J	mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 10:31	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	11/06/2019 16:00 NELAC-NY10854,NJDEP,PADEP	11/07/2019 10:31	SR
62-53-3	Aniline	ND	CCV-L	mg/kg dry	0.205	0.411	2	EPA 8270D Certifications:	11/06/2019 16:00 NELAC-NY10854,NJDEP,PADEP	11/07/2019 10:31	SR
120-12-7	Anthracene	0.220		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 10:31	SR
1912-24-9	Atrazine	ND	CCV-L	mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	11/06/2019 16:00 NELAC-NY10854,NJDEP,PADEP	11/07/2019 10:31	SR
100-52-7	Benzaldehyde	ND	CCV-L	mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	11/06/2019 16:00 NELAC-NY10854,NJDEP,PADEP	11/07/2019 10:31	SR
92-87-5	Benzidine	ND	CCV-L	mg/kg dry	0.205	0.411	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,PADEP	11/07/2019 10:31	SR
56-55-3	Benzo(a)anthracene	0.561		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 10:31	SR
50-32-8	Benzo(a)pyrene	0.571		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 10:31	SR
205-99-2	Benzo(b)fluoranthene	0.518		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 10:31	SR
191-24-2	Benzo(g,h,i)perylene	0.339		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 10:31	SR
207-08-9	Benzo(k)fluoranthene	0.471		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 10:31	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	11/06/2019 16:00 NELAC-NY10854,NJDEP,PADEP	11/07/2019 10:31	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications:	11/06/2019 16:00 NELAC-NY10854,NJDEP,PADEP	11/07/2019 10:31	SR



Sample Information

Client Sample ID: SOCOMP02_110619

York Sample ID: 19K0220-12

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170446801

Soil

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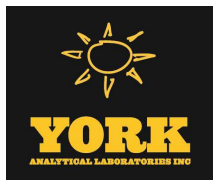
Semivolatiles, 8270 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCV-L	mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.0984	J	mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.103	0.205	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
86-74-8	Carbazole	0.0729	J	mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
218-01-9	Chrysene	0.564		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
53-70-3	Dibenzo(a,h)anthracene	0.120		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
206-44-0	Fluoranthene	1.16		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
86-73-7	Fluorene	0.0787	J	mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.304		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR



Sample Information

Client Sample ID: SOCOMP02_110619

York Sample ID: 19K0220-12

York Project (SDG) No.
19K0220

Client Project ID
170446801

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Soil

Collection Date/Time
November 6, 2019 12:10 pm

Date Received
11/06/2019

Semivolatiles, 8270 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
62-75-9	N-Nitrosodimethylamine	ND	CCV-L	mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
85-01-8	Phenanthrene	0.723		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
108-95-2	Phenol	ND		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
129-00-0	Pyrene	0.855		mg/kg dry	0.0514	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 10:31	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	49.2 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	47.6 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	56.7 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	60.5 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	84.6 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	60.6 %	24-116								

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.71	1	EPA 8270D SIM Certifications: NELAC-NY10854	11/07/2019 13:19	11/07/2019 19:15	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	48.0 %	S1-DIO X	50-130						

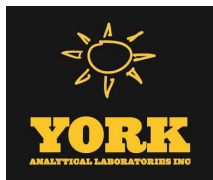
PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	1.77	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:07	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	1.77	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:07	KT



Sample Information

Client Sample ID: SOCOMP02_110619

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York Project (SDG) No.
19K0220

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Collection Date/Time
November 6, 2019 12:10 pm

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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	1.77	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:07	KT
3871-99-6	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	1.77	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:07	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	1.77	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:07	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	1.77	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:07	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	1.77	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:07	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	1.77	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:07	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	1.77	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:07	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	1.77	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:07	KT
72629-94-8	* Perfluorotridecanoic acid (PFTriDA)	ND		ug/kg dry	1.77	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:07	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	1.77	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:07	KT
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	1.77	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:07	KT
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	1.77	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:07	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	1.77	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:07	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	1.77	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:07	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	1.77	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:07	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	1.77	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:07	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	1.77	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:07	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	1.77	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:07	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	1.77	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:07	KT
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		73.4 %	25-150							
Surrogate: M5PFHxA		71.1 %	25-150							
Surrogate: M4PFHpA		91.9 %	25-150							
Surrogate: M3PFHxS		81.0 %	25-150							



Sample Information

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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	68.8 %			25-150					
	Surrogate: M6PFDA	61.7 %			25-150					
	Surrogate: M7PFUdA	50.3 %			25-150					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	44.2 %			25-150					
	Surrogate: M2PFTeDA	44.4 %			10-150					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	81.2 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	77.8 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	77.9 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	61.1 %			10-150					
	Surrogate: d3-N-MeFOSAA	124 %			25-150					
	Surrogate: d5-N-EtFOSAA	125 %			25-150					
	Surrogate: M2-6:2 FTS	284 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	366 %	PFSu-H		25-150					
	Surrogate: M9PFNA	72.0 %			25-150					

PFAS, SPLP NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1312-modified-PFAS

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-67-1	* Perfluorooctanoic acid (PFOA)	6.68		ng/L	2.00	2	EPA 537m	11/08/2019 15:11	11/09/2019 00:08	KT
							Certifications:			
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	4.37		ng/L	2.00	2	EPA 537m	11/08/2019 15:11	11/09/2019 00:08	KT
							Certifications:			
	Surrogate Recoveries	Result		Acceptance Range						
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	61.8 %		25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	68.4 %		25-150						

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	0.00273		mg/kg dry	0.00203	5	EPA 8081B	11/06/2019 15:56	11/07/2019 11:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	0.00611		mg/kg dry	0.00203	5	EPA 8081B	11/06/2019 15:56	11/07/2019 11:30	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		



Sample Information

Client Sample ID: SOCOMP02_110619

York Sample ID: 19K0220-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19K0220

170446801

Soil

November 6, 2019 12:10 pm

11/06/2019

PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:30	CM
309-00-2	Aldrin	0.0141		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:30	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:30	CM
5103-71-9	alpha-Chlordane	0.0180		mg/kg dry	0.00203	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	11/06/2019 15:56	11/07/2019 11:30	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:30	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:30	CM
60-57-1	Dieldrin	0.0107		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:30	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:30	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	11/06/2019 15:56	11/07/2019 11:30	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:30	CM
72-20-8	Endrin	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:30	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:30	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:30	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:30	CM
5566-34-7	gamma-Chlordane	0.0204		mg/kg dry	0.00203	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	11/06/2019 15:56	11/07/2019 11:30	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:30	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:30	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:30	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.203	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:30	CM
57-74-9	* Chlordane, total	0.0922		mg/kg dry	0.0406	5	EPA 8081B Certifications:	11/06/2019 15:56	11/07/2019 11:30	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	58.0 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	67.3 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

120 RESEARCH DRIVE
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RICHMOND HILL, NY 11418
ClientServices@



Sample Information

Client Sample ID: SOCOMP02_110619

York Sample ID: 19K0220-12

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 12:10 pm

Date Received
11/06/2019

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	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:25	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:25	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:25	SR
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:25	SR
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:25	SR
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:25	SR
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:25	SR
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:25	SR
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:25	SR
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications:	11/06/2019 15:56	11/07/2019 10:25	SR
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	60.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	57.0 %	30-120							

Herbicides, 8151 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0246	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 07:50	11/07/2019 12:30	SR
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0246	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 07:50	11/07/2019 12:30	SR
94-75-7	2,4-D	ND		mg/kg dry	0.0246	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 07:50	11/07/2019 12:30	SR
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	61.0 %	21-150							

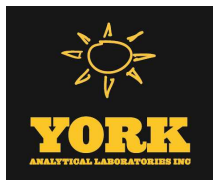
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	5950		mg/kg dry	6.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:11	TJM



Sample Information

Client Sample ID: SOCOMP02_110619

York Sample ID: 19K0220-12

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 12:10 pm

Date Received
11/06/2019

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/kg dry	3.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:11	TJM
7440-38-2	Arsenic	5.87		mg/kg dry	1.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:11	TJM
7440-39-3	Barium	62.1		mg/kg dry	3.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:11	TJM
7440-41-7	Beryllium	ND		mg/kg dry	0.062	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:11	TJM
7440-43-9	Cadmium	0.432		mg/kg dry	0.370	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:11	TJM
7440-70-2	Calcium	16400		mg/kg dry	6.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:11	TJM
7440-47-3	Chromium	14.3		mg/kg dry	0.617	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:11	TJM
7440-48-4	Cobalt	4.29		mg/kg dry	0.493	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:11	TJM
7440-50-8	Copper	26.8		mg/kg dry	2.47	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:11	TJM
7439-89-6	Iron	9010		mg/kg dry	30.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:11	TJM
7439-92-1	Lead	75.0		mg/kg dry	0.617	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:11	TJM
7439-95-4	Magnesium	7790		mg/kg dry	6.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:11	TJM
7439-96-5	Manganese	168		mg/kg dry	0.617	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:11	TJM
7440-02-0	Nickel	11.0		mg/kg dry	1.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:11	TJM
7440-09-7	Potassium	1160		mg/kg dry	6.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:11	TJM
7782-49-2	Selenium	ND		mg/kg dry	3.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:11	TJM
7440-22-4	Silver	ND		mg/kg dry	0.617	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:11	TJM
7440-23-5	Sodium	139		mg/kg dry	61.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:11	TJM
7440-28-0	Thallium	ND		mg/kg dry	3.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:11	TJM
7440-62-2	Vanadium	16.2		mg/kg dry	1.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:11	TJM
7440-66-6	Zinc	79.7		mg/kg dry	3.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:11	TJM

Mercury by 7473

Log-in Notes:

Sample Notes:

120 RESEARCH DRIVE
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(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@



Sample Information

Client Sample ID: SOCOMP02_110619

York Sample ID: 19K0220-12

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 12:10 pm

Date Received
11/06/2019

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	0.199		mg/kg dry	0.0370	1	EPA 7473	11/06/2019 20:47	11/06/2019 21:31	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	81.1		%	0.100	1	SM 2540G	11/07/2019 08:53	11/07/2019 16:04	AD
							Certifications:	CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.617	1	EPA 7196A	11/07/2019 08:48	11/07/2019 16:39	MSP
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	14.3		mg/kg	0.500	1	Calculation	11/07/2019 08:52	11/07/2019 16:45	MSP
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.617	1	EPA 9014/9010C	11/07/2019 08:59	11/07/2019 12:36	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

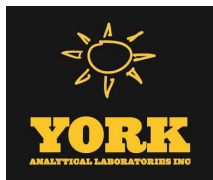
SPLP Extraction for PFAS 1312

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1312 SPLP Extraction for PFAS

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		%	1.00	1	EPA 1312	11/07/2019 12:17	11/08/2019 09:53	TAJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		



Sample Information

Client Sample ID: SOCOMP03_110619

York Sample ID: 19K0220-13

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:35 am

Date Received
11/06/2019

Semivolatiles, 8270 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0996	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0996	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0996	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0996	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR



Sample Information

Client Sample ID: SOCOMP03_110619

York Sample ID: 19K0220-13

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:35 am

Date Received
11/06/2019

Semivolatiles, 8270 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0996	0.199	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 12:07	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0996	0.199	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 12:07	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 12:07	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 12:07	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 12:07	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 12:07	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0996	0.199	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 12:07	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0996	0.199	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 12:07	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 12:07	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 12:07	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications:	11/06/2019 16:00 NELAC-NY10854,NJDEP,PADEP	11/07/2019 12:07	SR
62-53-3	Aniline	ND	CCV-L	mg/kg dry	0.199	0.399	2	EPA 8270D Certifications:	11/06/2019 16:00 NELAC-NY10854,NJDEP,PADEP	11/07/2019 12:07	SR
120-12-7	Anthracene	0.0541	J	mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 12:07	SR
1912-24-9	Atrazine	ND	CCV-L	mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications:	11/06/2019 16:00 NELAC-NY10854,NJDEP,PADEP	11/07/2019 12:07	SR
100-52-7	Benzaldehyde	ND	CCV-L	mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications:	11/06/2019 16:00 NELAC-NY10854,NJDEP,PADEP	11/07/2019 12:07	SR
92-87-5	Benzidine	ND	CCV-L	mg/kg dry	0.199	0.399	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,PADEP	11/07/2019 12:07	SR
56-55-3	Benzo(a)anthracene	0.201		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 12:07	SR
50-32-8	Benzo(a)pyrene	0.220		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 12:07	SR
205-99-2	Benzo(b)fluoranthene	0.201		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 12:07	SR
191-24-2	Benzo(g,h,i)perylene	0.138		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 12:07	SR
207-08-9	Benzo(k)fluoranthene	0.181		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications:	11/06/2019 16:00 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 12:07	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications:	11/06/2019 16:00 NELAC-NY10854,NJDEP,PADEP	11/07/2019 12:07	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications:	11/06/2019 16:00 NELAC-NY10854,NJDEP,PADEP	11/07/2019 12:07	SR



Sample Information

Client Sample ID: SOCOMP03_110619

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19K0220

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170446801

Matrix
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Collection Date/Time
November 6, 2019 11:35 am

Date Received
11/06/2019

Semivolatiles, 8270 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCV-L	mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.0732	J	mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0996	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
218-01-9	Chrysene	0.217		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
206-44-0	Fluoranthene	0.383		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.138		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR



Sample Information

Client Sample ID: SOCOMP03_110619

York Sample ID: 19K0220-13

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:35 am

Date Received
11/06/2019

Semivolatiles, 8270 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
62-75-9	N-Nitrosodimethylamine	ND	CCV-L	mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
85-01-8	Phenanthrene	0.150		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
108-95-2	Phenol	ND		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
129-00-0	Pyrene	0.309		mg/kg dry	0.0499	0.0996	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 16:00	11/07/2019 12:07	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	42.8 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	43.3 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	52.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	54.7 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	74.5 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	58.2 %	24-116								

Semi-Volatiles, 1,4-Dioxane by 8270-SIM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.62	1	EPA 8270D SIM Certifications: NELAC-NY10854	11/07/2019 13:19	11/07/2019 19:31	KH
Surrogate Recoveries		Result	Acceptance Range							
17647-74-4	Surrogate: 1,4-Dioxane-d8	52.0 %	50-130							

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	1.76	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:34	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	1.76	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:34	KT



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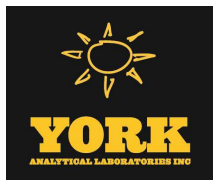
PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	1.76	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:34	KT
3871-99-6	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	1.76	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:34	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	1.76	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:34	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	1.76	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:34	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	1.76	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:34	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	1.76	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:34	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	1.76	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:34	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	1.76	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:34	KT
72629-94-8	* Perfluorotridecanoic acid (PFTriDA)	ND		ug/kg dry	1.76	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:34	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	1.76	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:34	KT
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	1.76	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:34	KT
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	1.76	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:34	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	1.76	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:34	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	1.76	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:34	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	1.76	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:34	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	1.76	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:34	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	1.76	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:34	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	1.76	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:34	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	1.76	2	EPA 537m Certifications:	11/06/2019 16:00	11/08/2019 19:34	KT
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		89.2 %	25-150							
Surrogate: M5PFHxA		85.3 %	25-150							
Surrogate: M4PFHpA		113 %	25-150							
Surrogate: M3PFHxS		99.4 %	25-150							



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Client Sample ID: SOCOMP03_110619

York Sample ID: 19K0220-13

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:35 am

Date Received
11/06/2019

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	85.6 %			25-150					
	Surrogate: M6PFDA	67.3 %			25-150					
	Surrogate: M7PFUdA	58.1 %			25-150					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	58.2 %			25-150					
	Surrogate: M2PFTeDA	59.0 %			10-150					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	98.4 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	96.2 %			25-150					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	96.3 %			25-150					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	68.2 %			10-150					
	Surrogate: d3-N-MeFOSAA	150 %			25-150					
	Surrogate: d5-N-EtFOSAA	136 %			25-150					
	Surrogate: M2-6:2 FTS	350 %	PFSu-H		25-150					
	Surrogate: M2-8:2 FTS	482 %	PFSu-H		25-150					
	Surrogate: M9PFNA	83.5 %			25-150					

PFAS, SPLP NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1312-modified-PFAS

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-67-1	* Perfluorooctanoic acid (PFOA)	7.40		ng/L	2.00	2	EPA 537m	11/08/2019 15:11	11/09/2019 00:35	KT
							Certifications:			
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	4.41		ng/L	2.00	2	EPA 537m	11/08/2019 15:11	11/09/2019 00:35	KT
							Certifications:			
	Surrogate Recoveries	Result		Acceptance Range						
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	74.5 %		25-150						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	82.0 %		25-150						

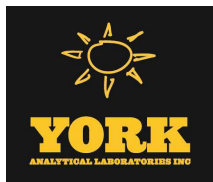
PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	0.00321		mg/kg dry	0.00197	5	EPA 8081B	11/06/2019 15:56	11/07/2019 11:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	0.00522		mg/kg dry	0.00197	5	EPA 8081B	11/06/2019 15:56	11/07/2019 11:48	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		



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PEST, 8081 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:48	CM
309-00-2	Aldrin	0.0239		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:48	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:48	CM
5103-71-9	alpha-Chlordane	0.0163		mg/kg dry	0.00197	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	11/06/2019 15:56	11/07/2019 11:48	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:48	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:48	CM
60-57-1	Dieldrin	0.0104		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:48	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:48	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	11/06/2019 15:56	11/07/2019 11:48	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:48	CM
72-20-8	Endrin	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:48	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:48	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:48	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:48	CM
5566-34-7	gamma-Chlordane	0.0187		mg/kg dry	0.00197	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	11/06/2019 15:56	11/07/2019 11:48	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:48	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:48	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:48	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 11:48	CM
57-74-9	* Chlordane, total	0.0722		mg/kg dry	0.0394	5	EPA 8081B Certifications:	11/06/2019 15:56	11/07/2019 11:48	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	57.8 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	60.5 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

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(203) 325-1371

132-02 89th AVENUE
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Sample Information

Client Sample ID: SOCOMP03_110619

York Sample ID: 19K0220-13

York Project (SDG) No.
19K0220

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Date Received
11/06/2019

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:39	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:39	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:39	SR
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:39	SR
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:39	SR
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:39	SR
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:39	SR
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:39	SR
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	11/06/2019 15:56	11/07/2019 10:39	SR
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications:	11/06/2019 15:56	11/07/2019 10:39	SR
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	65.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	59.5 %	30-120							

Herbicides, 8151 NJDEP/TCL/Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0239	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 07:50	11/07/2019 12:41	SR
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0239	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 07:50	11/07/2019 12:41	SR
94-75-7	2,4-D	ND		mg/kg dry	0.0239	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 07:50	11/07/2019 12:41	SR
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	70.6 %	21-150							

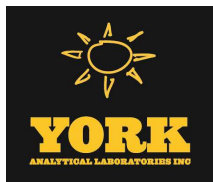
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6300		mg/kg dry	5.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:14	TJM



Sample Information

Client Sample ID: SOCOMP03_110619

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19K0220

Client Project ID

170446801

Matrix

Soil

Collection Date/Time

November 6, 2019 11:35 am

Date Received

11/06/2019

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:14	TJM
7440-38-2	Arsenic	5.63		mg/kg dry	1.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:14	TJM
7440-39-3	Barium	97.2		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:14	TJM
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:14	TJM
7440-43-9	Cadmium	ND		mg/kg dry	0.359	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:14	TJM
7440-70-2	Calcium	7070		mg/kg dry	5.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:14	TJM
7440-47-3	Chromium	14.2		mg/kg dry	0.599	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:14	TJM
7440-48-4	Cobalt	4.59		mg/kg dry	0.479	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:14	TJM
7440-50-8	Copper	29.3		mg/kg dry	2.40	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:14	TJM
7439-89-6	Iron	10400		mg/kg dry	29.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:14	TJM
7439-92-1	Lead	102		mg/kg dry	0.599	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:14	TJM
7439-95-4	Magnesium	2150		mg/kg dry	5.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:14	TJM
7439-96-5	Manganese	169		mg/kg dry	0.599	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:14	TJM
7440-02-0	Nickel	13.2		mg/kg dry	1.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:14	TJM
7440-09-7	Potassium	1200		mg/kg dry	5.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:14	TJM
7782-49-2	Selenium	ND		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:14	TJM
7440-22-4	Silver	ND		mg/kg dry	0.599	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:14	TJM
7440-23-5	Sodium	171		mg/kg dry	59.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:14	TJM
7440-28-0	Thallium	ND		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:14	TJM
7440-62-2	Vanadium	19.4		mg/kg dry	1.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:14	TJM
7440-66-6	Zinc	95.3		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 09:08	11/07/2019 13:14	TJM

Mercury by 7473

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SOCOMP03_110619

York Sample ID: 19K0220-13

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Soil

Collection Date/Time
November 6, 2019 11:35 am

Date Received
11/06/2019

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	0.142		mg/kg dry	0.0359	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/06/2019 20:47	11/06/2019 21:40	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.5		%	0.100	1	SM 2540G Certifications: CTDOH	11/07/2019 08:53	11/07/2019 16:04	AD

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.599	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	11/07/2019 08:48	11/07/2019 16:39	MSP

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	14.2		mg/kg	0.500	1	Calculation Certifications:	11/07/2019 08:52	11/07/2019 16:45	MSP

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.599	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/07/2019 08:59	11/07/2019 12:36	TJM

SPLP Extraction for PFAS 1312

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1312 SPLP Extraction for PFAS

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	SPLP Extraction	Completed		%	1.00	1	EPA 1312 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/07/2019 12:17	11/08/2019 09:53	TAJ



Sample Information

Client Sample ID: FB01_110619

York Sample ID: 19K0220-14

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Water

Collection Date/Time
November 6, 2019 11:50 am

Date Received
11/06/2019

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	2.00	1	EPA 537m Certifications:	11/07/2019 10:51	11/07/2019 21:57	KT
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	2.00	1	EPA 537m Certifications:	11/07/2019 10:51	11/07/2019 21:57	KT
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	2.00	1	EPA 537m Certifications:	11/07/2019 10:51	11/07/2019 21:57	KT
3871-99-6	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	2.00	1	EPA 537m Certifications:	11/07/2019 10:51	11/07/2019 21:57	KT
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	2.00	1	EPA 537m Certifications:	11/07/2019 10:51	11/07/2019 21:57	KT
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	2.00	1	EPA 537m Certifications:	11/07/2019 10:51	11/07/2019 21:57	KT
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	2.00	1	EPA 537m Certifications:	11/07/2019 10:51	11/07/2019 21:57	KT
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	11/07/2019 10:51	11/07/2019 21:57	KT
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.00	1	EPA 537m Certifications:	11/07/2019 10:51	11/07/2019 21:57	KT
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	2.00	1	EPA 537m Certifications:	11/07/2019 10:51	11/07/2019 21:57	KT
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	11/07/2019 10:51	11/07/2019 21:57	KT
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	2.00	1	EPA 537m Certifications:	11/07/2019 10:51	11/07/2019 21:57	KT
2355-31-9	* N-MeFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	11/07/2019 10:51	11/07/2019 21:57	KT
2991-50-6	* N-EtFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	11/07/2019 10:51	11/07/2019 21:57	KT
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	2.00	1	EPA 537m Certifications:	11/07/2019 10:51	11/07/2019 21:57	KT
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	2.00	1	EPA 537m Certifications:	11/07/2019 10:51	11/07/2019 21:57	KT
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	2.00	1	EPA 537m Certifications:	11/07/2019 10:51	11/07/2019 21:57	KT
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.00	1	EPA 537m Certifications:	11/07/2019 10:51	11/07/2019 21:57	KT
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.00	1	EPA 537m Certifications:	11/07/2019 10:51	11/07/2019 21:57	KT
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.00	1	EPA 537m Certifications:	11/07/2019 10:51	11/07/2019 21:57	KT
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	2.00	1	EPA 537m Certifications:	11/07/2019 10:51	11/07/2019 21:57	KT

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: FB01_110619

York Sample ID: 19K0220-14

York Project (SDG) No.
19K0220

Client Project ID
170446801

Matrix
Water

Collection Date/Time
November 6, 2019 11:50 am

Date Received
11/06/2019

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3PFBS	78.0 %			25	150				
	Surrogate: M5PFHxA	71.2 %			25	150				
	Surrogate: M4PFHpA	86.6 %			25	150				
	Surrogate: M3PFHxS	76.6 %			25	150				
	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	77.2 %			25	150				
	Surrogate: M6PFDA	75.7 %			25	150				
	Surrogate: M7PFUdA	67.9 %			25	150				
	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	59.4 %			25	150				
	Surrogate: M2PFTeDA	43.0 %			10	150				
	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	74.3 %			25	150				
	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	76.9 %			25	150				
	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	73.4 %			25	150				
	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	68.1 %			10	150				
	Surrogate: d3-N-MeFOSAA	92.6 %			25	150				
	Surrogate: d5-N-EtFOSAA	93.5 %			25	150				
	Surrogate: M2-6:2 FTS	124 %			25	150				
	Surrogate: M2-8:2 FTS	154 %	PFSu-H		25	150				
	Surrogate: M9PFNA	81.6 %			25	150				



Analytical Batch Summary

Batch ID: BK90250 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
19K0220-11	SOCOMP01_110619	11/06/19
19K0220-12	SOCOMP02_110619	11/06/19
19K0220-13	SOCOMP03_110619	11/06/19
BK90250-BLK1	Blank	11/06/19
BK90250-BS1	LCS	11/06/19

Batch ID: BK90252 **Preparation Method:** EPA 5030B **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
19K0220-10	TB01_110619	11/06/19
BK90252-BLK1	Blank	11/06/19
BK90252-BS1	LCS	11/06/19
BK90252-BSD1	LCS Dup	11/06/19

Batch ID: BK90263 **Preparation Method:** EPA 5035A **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
19K0220-01	SOGRAB01_110619	11/06/19
19K0220-02	SOGRAB02_110619	11/06/19
19K0220-03	SOGRAB03_110619	11/06/19
19K0220-04	SOGRAB06_110619	11/06/19
19K0220-05	SOGRAB07_110619	11/06/19
19K0220-06	SOGRAB08_110619	11/06/19
19K0220-07	SOGRAB11_110619	11/06/19
19K0220-08	SOGRAB12_110619	11/06/19
19K0220-09	SOGRAB13_110619	11/06/19
BK90263-BLK1	Blank	11/06/19
BK90263-BS1	LCS	11/06/19
BK90263-BSD1	LCS Dup	11/06/19

Batch ID: BK90285 **Preparation Method:** EPA 3550C **Prepared By:** CLS2

YORK Sample ID	Client Sample ID	Preparation Date
19K0220-11	SOCOMP01_110619	11/06/19
19K0220-11	SOCOMP01_110619	11/06/19
19K0220-12	SOCOMP02_110619	11/06/19
19K0220-12	SOCOMP02_110619	11/06/19
19K0220-13	SOCOMP03_110619	11/06/19
19K0220-13	SOCOMP03_110619	11/06/19
BK90285-BLK1	Blank	11/06/19
BK90285-BLK2	Blank	11/06/19
BK90285-BS1	LCS	11/06/19
BK90285-BS2	LCS	11/06/19



Batch ID: BK90287

Preparation Method: EPA 3550C

Prepared By: CLS2

YORK Sample ID	Client Sample ID	Preparation Date
19K0220-11	SOCOMP01_110619	11/06/19
19K0220-12	SOCOMP02_110619	11/06/19
19K0220-13	SOCOMP03_110619	11/06/19
BK90287-BLK1	Blank	11/06/19
BK90287-BS1	LCS	11/06/19
BK90287-MS1	Matrix Spike	11/06/19
BK90287-MSD1	Matrix Spike Dup	11/06/19

Batch ID: BK90293

Preparation Method: EPA 7473 soil

Prepared By: MAO

YORK Sample ID	Client Sample ID	Preparation Date
19K0220-11	SOCOMP01_110619	11/06/19
19K0220-12	SOCOMP02_110619	11/06/19
19K0220-13	SOCOMP03_110619	11/06/19
BK90293-BLK1	Blank	11/06/19
BK90293-DUP1	Duplicate	11/06/19
BK90293-MS1	Matrix Spike	11/06/19
BK90293-SRM1	Reference	11/06/19

Batch ID: BK90298

Preparation Method: EPA 3550B/8151A

Prepared By: CTD

YORK Sample ID	Client Sample ID	Preparation Date
19K0220-11	SOCOMP01_110619	11/07/19
19K0220-12	SOCOMP02_110619	11/07/19
19K0220-13	SOCOMP03_110619	11/07/19
BK90298-BLK1	Blank	11/07/19
BK90298-BS1	LCS	11/07/19

Batch ID: BK90306

Preparation Method: EPA SW846-3060

Prepared By: MSP

YORK Sample ID	Client Sample ID	Preparation Date
19K0220-11	SOCOMP01_110619	11/07/19
19K0220-12	SOCOMP02_110619	11/07/19
19K0220-13	SOCOMP03_110619	11/07/19
BK90306-BLK1	Blank	11/07/19
BK90306-SRM1	Reference	11/07/19

Batch ID: BK90307

Preparation Method: Analysis Preparation

Prepared By: MSP

YORK Sample ID	Client Sample ID	Preparation Date
19K0220-11	SOCOMP01_110619	11/07/19
19K0220-12	SOCOMP02_110619	11/07/19
19K0220-13	SOCOMP03_110619	11/07/19



Batch ID: BK90308 **Preparation Method:** % Solids Prep **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
19K0220-11	SOCOMP01_110619	11/07/19
19K0220-12	SOCOMP02_110619	11/07/19
19K0220-13	SOCOMP03_110619	11/07/19

Batch ID: BK90313 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
19K0220-11	SOCOMP01_110619	11/07/19
19K0220-12	SOCOMP02_110619	11/07/19
19K0220-13	SOCOMP03_110619	11/07/19
BK90313-BLK1	Blank	11/07/19
BK90313-SRM1	Reference	11/07/19

Batch ID: BK90320 **Preparation Method:** EPA 3050B **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
19K0220-11	SOCOMP01_110619	11/07/19
19K0220-12	SOCOMP02_110619	11/07/19
19K0220-13	SOCOMP03_110619	11/07/19
BK90320-BLK1	Blank	11/07/19
BK90320-SRM1	Reference	11/07/19

Batch ID: BK90333 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
19K0220-14	FB01_110619	11/07/19
BK90333-BLK1	Blank	11/07/19
BK90333-BS1	LCS	11/07/19
BK90333-BSD1	LCS Dup	11/07/19

Batch ID: BK90338 **Preparation Method:** EPA SW 846-1312 SPLP Extraction f **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
19K0220-11	SOCOMP01_110619	11/07/19
19K0220-12	SOCOMP02_110619	11/07/19
19K0220-13	SOCOMP03_110619	11/07/19
BK90338-BLK1	Blank	11/07/19

Batch ID: BK90341 **Preparation Method:** % Solids Prep **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
19K0220-01	SOGRAB01_110619	11/07/19
19K0220-02	SOGRAB02_110619	11/07/19



19K0220-03	SOGRAB03_110619	11/07/19
19K0220-04	SOGRAB06_110619	11/07/19
19K0220-05	SOGRAB07_110619	11/07/19
19K0220-06	SOGRAB08_110619	11/07/19
19K0220-07	SOGRAB11_110619	11/07/19
19K0220-08	SOGRAB12_110619	11/07/19
19K0220-09	SOGRAB13_110619	11/07/19
BK90341-DUP1	Duplicate	11/07/19

Batch ID: BK90343 **Preparation Method:** EPA 3550C **Prepared By:** LM

YORK Sample ID	Client Sample ID	Preparation Date
19K0220-11	SOCOMP01_110619	11/07/19
19K0220-12	SOCOMP02_110619	11/07/19
19K0220-13	SOCOMP03_110619	11/07/19
BK90343-BLK1	Blank	11/07/19
BK90343-BS1	LCS	11/07/19
BK90343-MS1	Matrix Spike	11/07/19
BK90343-MSD1	Matrix Spike Dup	11/07/19

Batch ID: BK90413 **Preparation Method:** EPA 3535A/1312-modified-PFAS **Prepared By:** KT

YORK Sample ID	Client Sample ID	Preparation Date
19K0220-11	SOCOMP01_110619	11/08/19
19K0220-12	SOCOMP02_110619	11/08/19
19K0220-13	SOCOMP03_110619	11/08/19
BK90413-BLK1	Blank	11/08/19
BK90413-BS1	LCS	11/08/19
BK90413-DUP1	Duplicate	11/08/19
BK90413-LBK1	Leach Fluid Blank	11/08/19



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 BK90252 - EPA 5030B

Blank (BK90252-BLK1)

Prepared: 11/06/2019 Analyzed: 11/07/2019

1,1,1-Trichloroethane	ND	0.500	ug/L
1,1,2,2-Tetrachloroethane	ND	0.500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"
1,1,2-Trichloroethane	ND	0.500	"
1,1-Dichloroethane	ND	0.500	"
1,1-Dichloroethylene	ND	0.500	"
1,2,3-Trichlorobenzene	ND	0.500	"
1,2,4-Trichlorobenzene	ND	0.500	"
1,2-Dibromo-3-chloropropane	ND	0.500	"
1,2-Dibromoethane	ND	0.500	"
1,2-Dichlorobenzene	ND	0.500	"
1,2-Dichloroethane	ND	0.500	"
1,2-Dichloropropane	ND	0.500	"
1,3-Dichlorobenzene	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
1,4-Dioxane	ND	80.0	"
2-Butanone	0.660	0.500	"
2-Hexanone	ND	0.500	"
4-Methyl-2-pentanone	ND	0.500	"
Acetone	ND	2.00	"
Benzene	ND	0.500	"
Bromochloromethane	ND	0.500	"
Bromodichloromethane	ND	0.500	"
Bromoform	ND	0.500	"
Bromomethane	0.290	0.500	"
Carbon disulfide	ND	0.500	"
Carbon tetrachloride	ND	0.500	"
Chlorobenzene	ND	0.500	"
Chloroethane	ND	0.500	"
Chloroform	0.290	0.500	"
Chloromethane	ND	0.500	"
cis-1,2-Dichloroethylene	ND	0.500	"
cis-1,3-Dichloropropylene	ND	0.500	"
Cyclohexane	ND	0.500	"
Dibromochloromethane	ND	0.500	"
Dichlorodifluoromethane	ND	0.500	"
Ethyl Benzene	ND	0.500	"
Isopropylbenzene	ND	0.500	"
Methyl acetate	ND	0.500	"
Methyl tert-butyl ether (MTBE)	ND	0.500	"
Methylcyclohexane	ND	0.500	"
Methylene chloride	ND	2.00	"
o-Xylene	ND	0.500	"
p- & m- Xylenes	ND	1.00	"
Styrene	ND	0.500	"
Tetrachloroethylene	ND	0.500	"
Toluene	ND	0.500	"
trans-1,2-Dichloroethylene	ND	0.500	"
trans-1,3-Dichloropropylene	ND	0.500	"



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 BK90252 - EPA 5030B											
Blank (BK90252-BLK1)											
						Prepared: 11/06/2019 Analyzed: 11/07/2019					
Trichloroethylene	ND	0.500	ug/L								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	10.4		"	10.0		104	69-130				
Surrogate: SURR: Toluene-d8	9.56		"	10.0		95.6	81-117				
Surrogate: SURR: p-Bromofluorobenzene	11.0		"	10.0		110	79-122				
LCS (BK90252-BS1)											
						Prepared: 11/06/2019 Analyzed: 11/07/2019					
1,1,1-Trichloroethane	12.3		ug/L	10.0		123	78-136				
1,1,2,2-Tetrachloroethane	9.72		"	10.0		97.2	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.24		"	10.0		92.4	54-165				
1,1,2-Trichloroethane	9.07		"	10.0		90.7	82-123				
1,1-Dichloroethane	11.6		"	10.0		116	82-129				
1,1-Dichloroethylene	7.82		"	10.0		78.2	68-138				
1,2,3-Trichlorobenzene	6.99		"	10.0		69.9	76-136	Low Bias			
1,2,4-Trichlorobenzene	5.48		"	10.0		54.8	76-137	Low Bias			
1,2-Dibromo-3-chloropropane	7.84		"	10.0		78.4	45-147				
1,2-Dibromoethane	9.56		"	10.0		95.6	83-124				
1,2-Dichlorobenzene	9.52		"	10.0		95.2	79-123				
1,2-Dichloroethane	11.2		"	10.0		112	73-132				
1,2-Dichloropropane	9.37		"	10.0		93.7	78-126				
1,3-Dichlorobenzene	10.0		"	10.0		100	86-122				
1,4-Dichlorobenzene	9.87		"	10.0		98.7	85-124				
1,4-Dioxane	260		"	210		124	10-349				
2-Butanone	10.8		"	10.0		108	49-152				
2-Hexanone	7.67		"	10.0		76.7	51-146				
4-Methyl-2-pentanone	8.02		"	10.0		80.2	57-145				
Acetone	5.03		"	10.0		50.3	14-150				
Benzene	11.4		"	10.0		114	85-126				
Bromochloromethane	10.9		"	10.0		109	77-128				
Bromodichloromethane	9.79		"	10.0		97.9	79-128				
Bromoform	8.54		"	10.0		85.4	78-133				
Bromomethane	8.07		"	10.0		80.7	43-168				
Carbon disulfide	7.08		"	10.0		70.8	68-146				
Carbon tetrachloride	12.0		"	10.0		120	77-141				
Chlorobenzene	9.86		"	10.0		98.6	88-120				
Chloroethane	9.26		"	10.0		92.6	65-136				
Chloroform	11.8		"	10.0		118	82-128				
Chloromethane	8.37		"	10.0		83.7	43-155				
cis-1,2-Dichloroethylene	10.8		"	10.0		108	83-129				
cis-1,3-Dichloropropylene	8.77		"	10.0		87.7	80-131				
Cyclohexane	5.00		"	10.0		50.0	63-149	Low Bias			
Dibromochloromethane	9.60		"	10.0		96.0	80-130				
Dichlorodifluoromethane	11.3		"	10.0		113	44-144				
Ethyl Benzene	10.6		"	10.0		106	80-131				
Isopropylbenzene	10.8		"	10.0		108	76-140				
Methyl acetate	6.35		"	10.0		63.5	51-139				
Methyl tert-butyl ether (MTBE)	10.5		"	10.0		105	76-135				
Methylcyclohexane	9.80		"	10.0		98.0	72-143				
Methylene chloride	7.72		"	10.0		77.2	55-137				



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 BK90252 - EPA 5030B											
LCS (BK90252-BS1)						Prepared: 11/06/2019 Analyzed: 11/07/2019					
o-Xylene	10.2		ug/L	10.0		102	78-130				
p- & m- Xylenes	21.5		"	20.0		108	77-133				
Styrene	9.91		"	10.0		99.1	67-132				
Tetrachloroethylene	8.95		"	10.0		89.5	82-131				
Toluene	10.1		"	10.0		101	80-127				
trans-1,2-Dichloroethylene	11.3		"	10.0		113	80-132				
trans-1,3-Dichloropropylene	8.67		"	10.0		86.7	78-131				
Trichloroethylene	9.93		"	10.0		99.3	82-128				
Trichlorofluoromethane	9.54		"	10.0		95.4	67-139				
Vinyl Chloride	9.13		"	10.0		91.3	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.5		"	10.0		105	69-130				
Surrogate: SURR: Toluene-d8	9.43		"	10.0		94.3	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.8		"	10.0		108	79-122				
LCS Dup (BK90252-BSD1)						Prepared: 11/06/2019 Analyzed: 11/07/2019					
1,1,1-Trichloroethane	11.9		ug/L	10.0		119	78-136		3.23	30	
1,1,2,2-Tetrachloroethane	9.35		"	10.0		93.5	76-129		3.88	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.1		"	10.0		121	54-165		27.0	30	
1,1,2-Trichloroethane	9.08		"	10.0		90.8	82-123		0.110	30	
1,1-Dichloroethane	11.3		"	10.0		113	82-129		2.19	30	
1,1-Dichloroethylene	10.8		"	10.0		108	68-138		32.0	30	Non-dir.
1,2,3-Trichlorobenzene	7.02		"	10.0		70.2	76-136	Low Bias	0.428	30	
1,2,4-Trichlorobenzene	5.57		"	10.0		55.7	76-137	Low Bias	1.63	30	
1,2-Dibromo-3-chloropropane	8.02		"	10.0		80.2	45-147		2.27	30	
1,2-Dibromoethane	9.56		"	10.0		95.6	83-124		0.00	30	
1,2-Dichlorobenzene	9.35		"	10.0		93.5	79-123		1.80	30	
1,2-Dichloroethane	11.3		"	10.0		113	73-132		0.978	30	
1,2-Dichloropropane	9.14		"	10.0		91.4	78-126		2.49	30	
1,3-Dichlorobenzene	9.58		"	10.0		95.8	86-122		4.29	30	
1,4-Dichlorobenzene	9.47		"	10.0		94.7	85-124		4.14	30	
1,4-Dioxane	249		"	210		118	10-349		4.58	30	
2-Butanone	8.64		"	10.0		86.4	49-152		22.4	30	
2-Hexanone	7.77		"	10.0		77.7	51-146		1.30	30	
4-Methyl-2-pentanone	8.43		"	10.0		84.3	57-145		4.98	30	
Acetone	8.09		"	10.0		80.9	14-150		46.6	30	Non-dir.
Benzene	11.2		"	10.0		112	85-126		2.21	30	
Bromochloromethane	10.7		"	10.0		107	77-128		1.95	30	
Bromodichloromethane	9.66		"	10.0		96.6	79-128		1.34	30	
Bromoform	8.53		"	10.0		85.3	78-133		0.117	30	
Bromomethane	8.26		"	10.0		82.6	43-168		2.33	30	
Carbon disulfide	10.1		"	10.0		101	68-146		35.0	30	Non-dir.
Carbon tetrachloride	11.5		"	10.0		115	77-141		3.91	30	
Chlorobenzene	9.60		"	10.0		96.0	88-120		2.67	30	
Chloroethane	7.22		"	10.0		72.2	65-136		24.8	30	
Chloroform	11.6		"	10.0		116	82-128		1.71	30	
Chloromethane	8.01		"	10.0		80.1	43-155		4.40	30	
cis-1,2-Dichloroethylene	10.6		"	10.0		106	83-129		2.33	30	
cis-1,3-Dichloropropylene	8.70		"	10.0		87.0	80-131		0.801	30	
Cyclohexane	4.63		"	10.0		46.3	63-149	Low Bias	7.68	30	
Dibromochloromethane	9.54		"	10.0		95.4	80-130		0.627	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 BK90252 - EPA 5030B

LCS Dup (BK90252-BSD1)

Prepared: 11/06/2019 Analyzed: 11/07/2019

Dichlorodifluoromethane	10.0		ug/L	10.0		100	44-144		11.9	30	
Ethyl Benzene	10.2		"	10.0		102	80-131		4.32	30	
Isopropylbenzene	10.2		"	10.0		102	76-140		6.08	30	
Methyl acetate	10.4		"	10.0		104	51-139		48.0	30	Non-dir.
Methyl tert-butyl ether (MTBE)	10.8		"	10.0		108	76-135		2.63	30	
Methylcyclohexane	8.74		"	10.0		87.4	72-143		11.4	30	
Methylene chloride	11.1		"	10.0		111	55-137		35.7	30	Non-dir.
o-Xylene	9.84		"	10.0		98.4	78-130		3.59	30	
p- & m- Xylenes	20.6		"	20.0		103	77-133		4.17	30	
Styrene	9.53		"	10.0		95.3	67-132		3.91	30	
Tetrachloroethylene	8.61		"	10.0		86.1	82-131		3.87	30	
Toluene	9.77		"	10.0		97.7	80-127		3.32	30	
trans-1,2-Dichloroethylene	11.1		"	10.0		111	80-132		2.05	30	
trans-1,3-Dichloropropylene	8.63		"	10.0		86.3	78-131		0.462	30	
Trichloroethylene	9.59		"	10.0		95.9	82-128		3.48	30	
Trichlorofluoromethane	8.57		"	10.0		85.7	67-139		10.7	30	
Vinyl Chloride	8.67		"	10.0		86.7	58-145		5.17	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.6		"	10.0		106	69-130				
Surrogate: SURR: Toluene-d8	9.51		"	10.0		95.1	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.6		"	10.0		106	79-122				

Batch BK90263 - EPA 5035A

Blank (BK90263-BLK1)

Prepared & Analyzed: 11/06/2019

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet
1,1,1-Trichloroethane	ND	0.0050	"
1,1,2,2-Tetrachloroethane	ND	0.0050	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"
1,1,2-Trichloroethane	ND	0.0050	"
1,1-Dichloroethane	ND	0.0050	"
1,1-Dichloroethylene	ND	0.0050	"
1,1-Dichloropropylene	ND	0.0050	"
1,2,3-Trichlorobenzene	ND	0.0050	"
1,2,3-Trichloropropane	ND	0.0050	"
1,2,4,5-Tetramethylbenzene	ND	0.0050	"
1,2,4-Trichlorobenzene	ND	0.0050	"
1,2,4-Trimethylbenzene	ND	0.0050	"
1,2-Dibromo-3-chloropropane	ND	0.0050	"
1,2-Dibromoethane	ND	0.0050	"
1,2-Dichlorobenzene	ND	0.0050	"
1,2-Dichloroethane	ND	0.0050	"
1,2-Dichloropropane	ND	0.0050	"
1,3,5-Trimethylbenzene	ND	0.0050	"
1,3-Dichlorobenzene	ND	0.0050	"
1,3-Dichloropropane	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2,2-Dichloropropane	ND	0.0050	"
2-Butanone	0.0066	0.0050	"
2-Chloroethylvinyl ether	ND	0.020	"
2-Chlorotoluene	ND	0.0050	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK90263 - EPA 5035A

Blank (BK90263-BLK1)

Prepared & Analyzed: 11/06/2019

2-Hexanone	ND	0.0050	mg/kg wet
4-Chlorotoluene	ND	0.0050	"
4-Methyl-2-pentanone	ND	0.0050	"
Acetone	ND	0.010	"
Acrolein	ND	0.010	"
Acrylonitrile	ND	0.0050	"
Benzene	ND	0.0050	"
Bromobenzene	ND	0.0050	"
Bromochloromethane	ND	0.0050	"
Bromodichloromethane	ND	0.0050	"
Bromoform	ND	0.0050	"
Bromomethane	ND	0.0050	"
Carbon disulfide	ND	0.0050	"
Carbon tetrachloride	ND	0.0050	"
Chlorobenzene	ND	0.0050	"
Chloroethane	ND	0.0050	"
Chloroform	ND	0.0050	"
Chloromethane	ND	0.0050	"
cis-1,2-Dichloroethylene	ND	0.0050	"
cis-1,3-Dichloropropylene	ND	0.0050	"
Cyclohexane	ND	0.0050	"
Dibromochloromethane	ND	0.0050	"
Dibromomethane	ND	0.0050	"
Dichlorodifluoromethane	ND	0.0050	"
Diisopropyl ether (DIPE)	ND	0.0080	"
Ethanol	ND	0.080	"
Ethyl Benzene	ND	0.0050	"
Ethyl tert-butyl ether (ETBE)	ND	0.0080	"
Hexachlorobutadiene	ND	0.0050	"
Iodomethane	ND	0.0050	"
Isopropylbenzene	ND	0.0050	"
Methyl acetate	ND	0.0050	"
Methyl Methacrylate	ND	0.0050	"
Methyl tert-butyl ether (MTBE)	ND	0.0050	"
Methyleyclohexane	ND	0.0050	"
Methylene chloride	ND	0.010	"
Naphthalene	ND	0.010	"
n-Butylbenzene	ND	0.0050	"
n-Propylbenzene	ND	0.0050	"
o-Xylene	ND	0.0050	"
p- & m- Xylenes	ND	0.010	"
p-Diethylbenzene	ND	0.0050	"
p-Ethyltoluene	ND	0.0050	"
p-Isopropyltoluene	ND	0.0050	"
sec-Butylbenzene	ND	0.0050	"
Styrene	ND	0.0050	"
tert-Amyl alcohol (TAA)	ND	0.080	"
tert-Amyl methyl ether (TAME)	ND	0.0080	"
tert-Butyl alcohol (TBA)	ND	0.0050	"
tert-Butylbenzene	ND	0.0050	"
Tetrachloroethylene	ND	0.0050	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK90263 - EPA 5035A

Blank (BK90263-BLK1)

Prepared & Analyzed: 11/06/2019

Tetrahydrofuran	ND	0.010	mg/kg wet
Toluene	ND	0.0050	"
trans-1,2-Dichloroethylene	ND	0.0050	"
trans-1,3-Dichloropropylene	ND	0.0050	"
trans-1,4-dichloro-2-butene	ND	0.0050	"
Trichloroethylene	ND	0.0050	"
Trichlorofluoromethane	ND	0.0050	"
Vinyl acetate	ND	0.0050	"
Vinyl Chloride	ND	0.0050	"
Xylenes, Total	ND	0.015	"

Surrogate: SURR: 1,2-Dichloroethane-d4	47.9	ug/L	50.0	95.8	77-125
Surrogate: SURR: Toluene-d8	48.8	"	50.0	97.5	85-120
Surrogate: SURR: p-Bromofluorobenzene	47.9	"	50.0	95.8	76-130

LCS (BK90263-BS1)

Prepared & Analyzed: 11/06/2019

1,1,1,2-Tetrachloroethane	50.9	ug/L	50.0	102	75-129
1,1,1-Trichloroethane	61.7	"	50.0	123	71-137
1,1,2,2-Tetrachloroethane	52.9	"	50.0	106	79-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	42.0	"	50.0	83.9	58-146
1,1,2-Trichloroethane	53.2	"	50.0	106	83-123
1,1-Dichloroethane	54.6	"	50.0	109	75-130
1,1-Dichloroethylene	40.5	"	50.0	80.9	64-137
1,1-Dichloropropylene	56.7	"	50.0	113	77-127
1,2,3-Trichlorobenzene	61.0	"	50.0	122	81-140
1,2,3-Trichloropropane	54.0	"	50.0	108	81-126
1,2,4,5-Tetramethylbenzene	55.8	"	50.0	112	63-156
1,2,4-Trichlorobenzene	61.6	"	50.0	123	80-141
1,2,4-Trimethylbenzene	53.7	"	50.0	107	84-125
1,2-Dibromo-3-chloropropane	46.4	"	50.0	92.7	74-142
1,2-Dibromoethane	57.4	"	50.0	115	86-123
1,2-Dichlorobenzene	54.9	"	50.0	110	85-122
1,2-Dichloroethane	48.6	"	50.0	97.1	71-133
1,2-Dichloropropane	51.4	"	50.0	103	81-122
1,3,5-Trimethylbenzene	54.2	"	50.0	108	82-126
1,3-Dichlorobenzene	54.7	"	50.0	109	84-124
1,3-Dichloropropane	52.1	"	50.0	104	83-123
1,4-Dichlorobenzene	56.6	"	50.0	113	84-124
1,4-Dioxane	1060	"	1050	101	10-228
2,2-Dichloropropane	55.8	"	50.0	112	67-136
2-Butanone	58.8	"	50.0	118	58-147
2-Chloroethylvinyl ether	65.5	"	50.0	131	10-166
2-Chlorotoluene	51.0	"	50.0	102	78-127
2-Hexanone	41.1	"	50.0	82.3	70-139
4-Chlorotoluene	51.8	"	50.0	104	79-125
4-Methyl-2-pentanone	40.0	"	50.0	80.0	72-132
Acetone	30.0	"	50.0	60.0	36-155
Acrolein	58.2	"	50.0	116	10-238
Acrylonitrile	55.8	"	50.0	112	66-141
Benzene	56.9	"	50.0	114	77-127
Bromobenzene	51.0	"	50.0	102	77-129



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 BK90263 - EPA 5035A											
LCS (BK90263-BS1)						Prepared & Analyzed: 11/06/2019					
Bromochloromethane	53.6		ug/L	50.0		107	74-129				
Bromodichloromethane	50.2		"	50.0		100	81-124				
Bromoform	52.1		"	50.0		104	80-136				
Bromomethane	59.9		"	50.0		120	32-177				
Carbon disulfide	62.4		"	50.0		125	10-136				
Carbon tetrachloride	54.9		"	50.0		110	66-143				
Chlorobenzene	54.3		"	50.0		109	86-120				
Chloroethane	44.8		"	50.0		89.5	51-142				
Chloroform	57.8		"	50.0		116	76-131				
Chloromethane	38.7		"	50.0		77.4	49-132				
cis-1,2-Dichloroethylene	54.0		"	50.0		108	74-132				
cis-1,3-Dichloropropylene	53.8		"	50.0		108	81-129				
Cyclohexane	53.1		"	50.0		106	70-130				
Dibromochloromethane	55.1		"	50.0		110	10-200				
Dibromomethane	51.9		"	50.0		104	83-124				
Dichlorodifluoromethane	74.1		"	50.0		148	28-158				
Diisopropyl ether (DIPE)	53.0		"	50.0		106	70-130				
Ethanol	ND	0.080	mg/kg wet				70-130				
Ethyl Benzene	52.7		ug/L	50.0		105	84-125				
Ethyl tert-butyl ether (ETBE)	57.2		"	50.0		114	70-130				
Hexachlorobutadiene	63.1		"	50.0		126	83-133				
Iodomethane	60.9		"	50.0		122	70-130				
Isopropylbenzene	54.0		"	50.0		108	81-127				
Methyl acetate	35.6		"	50.0		71.2	41-143				
Methyl Methacrylate	55.5		"	50.0		111	79-125				
Methyl tert-butyl ether (MTBE)	56.6		"	50.0		113	74-131				
Methylcyclohexane	52.4		"	50.0		105	70-130				
Methylene chloride	52.9		"	50.0		106	57-141				
Naphthalene	58.8		"	50.0		118	86-141				
n-Butylbenzene	51.2		"	50.0		102	80-130				
n-Propylbenzene	51.0		"	50.0		102	74-136				
o-Xylene	51.5		"	50.0		103	83-123				
p- & m- Xylenes	101		"	100		101	82-128				
p-Diethylbenzene	59.5		"	50.0		119	70-144				
p-Ethyltoluene	54.0		"	50.0		108	84-123				
p-Isopropyltoluene	56.7		"	50.0		113	85-125				
sec-Butylbenzene	56.5		"	50.0		113	83-125				
Styrene	53.8		"	50.0		108	86-126				
tert-Amyl alcohol (TAA)	428		"	500		85.7	70-130				
tert-Amyl methyl ether (TAME)	56.8		"	50.0		114	70-130				
tert-Butyl alcohol (TBA)	235		"	250		94.1	70-130				
tert-Butylbenzene	55.4		"	50.0		111	80-127				
Tetrachloroethylene	55.8		"	50.0		112	80-129				
Tetrahydrofuran	49.9		"	50.0		99.8	64-137				
Toluene	51.7		"	50.0		103	85-121				
trans-1,2-Dichloroethylene	55.7		"	50.0		111	72-132				
trans-1,3-Dichloropropylene	46.7		"	50.0		93.3	78-132				
trans-1,4-dichloro-2-butene	49.4		"	50.0		98.7	75-135				
Trichloroethylene	55.2		"	50.0		110	84-123				
Trichlorofluoromethane	42.3		"	50.0		84.6	62-140				
Vinyl acetate	53.7		"	50.0		107	67-136				



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 BK90263 - EPA 5035A											
LCS (BK90263-BS1)						Prepared & Analyzed: 11/06/2019					
Vinyl Chloride	38.8		ug/L	50.0		77.6	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	46.0		"	50.0		92.0	77-125				
Surrogate: SURR: Toluene-d8	48.6		"	50.0		97.2	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.0		"	50.0		98.0	76-130				
LCS Dup (BK90263-BSD1)						Prepared & Analyzed: 11/06/2019					
1,1,1,2-Tetrachloroethane	52.2		ug/L	50.0		104	75-129		2.58	30	
1,1,1-Trichloroethane	65.3		"	50.0		131	71-137		5.68	30	
1,1,2,2-Tetrachloroethane	52.0		"	50.0		104	79-129		1.85	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	44.8		"	50.0		89.6	58-146		6.55	30	
1,1,2-Trichloroethane	54.2		"	50.0		108	83-123		1.94	30	
1,1-Dichloroethane	57.0		"	50.0		114	75-130		4.19	30	
1,1-Dichloroethylene	43.4		"	50.0		86.7	64-137		6.89	30	
1,1-Dichloropropylene	59.5		"	50.0		119	77-127		4.80	30	
1,2,3-Trichlorobenzene	61.1		"	50.0		122	81-140		0.115	30	
1,2,3-Trichloropropane	53.5		"	50.0		107	81-126		0.967	30	
1,2,4,5-Tetramethylbenzene	57.1		"	50.0		114	63-156		2.32	30	
1,2,4-Trichlorobenzene	62.0		"	50.0		124	80-141		0.566	30	
1,2,4-Trimethylbenzene	55.5		"	50.0		111	84-125		3.32	30	
1,2-Dibromo-3-chloropropane	46.3		"	50.0		92.6	74-142		0.173	30	
1,2-Dibromoethane	58.2		"	50.0		116	86-123		1.40	30	
1,2-Dichlorobenzene	55.8		"	50.0		112	85-122		1.66	30	
1,2-Dichloroethane	49.3		"	50.0		98.6	71-133		1.51	30	
1,2-Dichloropropane	53.2		"	50.0		106	81-122		3.50	30	
1,3,5-Trimethylbenzene	56.3		"	50.0		113	82-126		3.82	30	
1,3-Dichlorobenzene	55.9		"	50.0		112	84-124		2.24	30	
1,3-Dichloropropane	52.8		"	50.0		106	83-123		1.37	30	
1,4-Dichlorobenzene	57.6		"	50.0		115	84-124		1.65	30	
1,4-Dioxane	960		"	1050		91.4	10-228		10.1	30	
2,2-Dichloropropane	59.0		"	50.0		118	67-136		5.56	30	
2-Butanone	56.2		"	50.0		112	58-147		4.42	30	
2-Chloroethylvinyl ether	65.9		"	50.0		132	10-166		0.594	30	
2-Chlorotoluene	52.4		"	50.0		105	78-127		2.55	30	
2-Hexanone	40.7		"	50.0		81.4	70-139		1.10	30	
4-Chlorotoluene	53.4		"	50.0		107	79-125		3.14	30	
4-Methyl-2-pentanone	40.0		"	50.0		80.0	72-132		0.0750	30	
Acetone	28.4		"	50.0		56.8	36-155		5.38	30	
Acrolein	58.7		"	50.0		117	10-238		0.839	30	
Acrylonitrile	55.0		"	50.0		110	66-141		1.57	30	
Benzene	59.6		"	50.0		119	77-127		4.69	30	
Bromobenzene	52.0		"	50.0		104	77-129		1.90	30	
Bromochloromethane	54.5		"	50.0		109	74-129		1.65	30	
Bromodichloromethane	51.0		"	50.0		102	81-124		1.58	30	
Bromoform	52.3		"	50.0		105	80-136		0.287	30	
Bromomethane	61.6		"	50.0		123	32-177		2.72	30	
Carbon disulfide	66.8		"	50.0		134	10-136		6.78	30	
Carbon tetrachloride	57.1		"	50.0		114	66-143		3.91	30	
Chlorobenzene	56.5		"	50.0		113	86-120		3.95	30	
Chloroethane	48.2		"	50.0		96.4	51-142		7.42	30	
Chloroform	60.3		"	50.0		121	76-131		4.27	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK90263 - EPA 5035A											
LCS Dup (BK90263-BSD1)						Prepared & Analyzed: 11/06/2019					
Chloromethane	40.9		ug/L	50.0		81.9	49-132		5.65	30	
cis-1,2-Dichloroethylene	55.8		"	50.0		112	74-132		3.13	30	
cis-1,3-Dichloropropylene	54.4		"	50.0		109	81-129		1.15	30	
Cyclohexane	55.8		"	50.0		112	70-130		5.07	30	
Dibromochloromethane	55.6		"	50.0		111	10-200		0.904	30	
Dibromomethane	52.2		"	50.0		104	83-124		0.519	30	
Dichlorodifluoromethane	78.9		"	50.0		158	28-158		6.30	30	
Diisopropyl ether (DIPE)	54.5		"	50.0		109	70-130		2.75	30	
Ethanol	ND	0.080	mg/kg wet				70-130			30	
Ethyl Benzene	55.2		ug/L	50.0		110	84-125		4.56	30	
Ethyl tert-butyl ether (ETBE)	58.6		"	50.0		117	70-130		2.42	30	
Hexachlorobutadiene	64.9		"	50.0		130	83-133		2.70	30	
Iodomethane	66.4		"	50.0		133	70-130	High Bias	8.61	30	
Isopropylbenzene	55.9		"	50.0		112	81-127		3.57	30	
Methyl acetate	35.6		"	50.0		71.1	41-143		0.0562	30	
Methyl Methacrylate	54.6		"	50.0		109	79-125		1.62	30	
Methyl tert-butyl ether (MTBE)	57.6		"	50.0		115	74-131		1.84	30	
Methylcyclohexane	54.9		"	50.0		110	70-130		4.66	30	
Methylene chloride	54.7		"	50.0		109	57-141		3.25	30	
Naphthalene	57.8		"	50.0		116	86-141		1.66	30	
n-Butylbenzene	52.2		"	50.0		104	80-130		1.90	30	
n-Propylbenzene	52.8		"	50.0		106	74-136		3.31	30	
o-Xylene	53.9		"	50.0		108	83-123		4.65	30	
p- & m- Xylenes	106		"	100		106	82-128		4.58	30	
p-Diethylbenzene	61.1		"	50.0		122	70-144		2.55	30	
p-Ethyltoluene	55.9		"	50.0		112	84-123		3.51	30	
p-Isopropyltoluene	58.4		"	50.0		117	85-125		2.97	30	
sec-Butylbenzene	58.8		"	50.0		118	83-125		4.01	30	
Styrene	55.8		"	50.0		112	86-126		3.56	30	
tert-Amyl alcohol (TAA)	431		"	500		86.2	70-130		0.638	30	
tert-Amyl methyl ether (TAME)	57.1		"	50.0		114	70-130		0.650	30	
tert-Butyl alcohol (TBA)	233		"	250		93.4	70-130		0.764	30	
tert-Butylbenzene	57.1		"	50.0		114	80-127		2.88	30	
Tetrachloroethylene	58.6		"	50.0		117	80-129		4.89	30	
Tetrahydrofuran	47.9		"	50.0		95.7	64-137		4.15	30	
Toluene	53.9		"	50.0		108	85-121		4.15	30	
trans-1,2-Dichloroethylene	58.9		"	50.0		118	72-132		5.57	30	
trans-1,3-Dichloropropylene	47.8		"	50.0		95.7	78-132		2.50	30	
trans-1,4-dichloro-2-butene	48.8		"	50.0		97.6	75-135		1.18	30	
Trichloroethylene	57.8		"	50.0		116	84-123		4.73	30	
Trichlorofluoromethane	45.2		"	50.0		90.3	62-140		6.56	30	
Vinyl acetate	53.8		"	50.0		108	67-136		0.279	30	
Vinyl Chloride	41.2		"	50.0		82.4	52-130		6.08	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	46.2		"	50.0		92.3	77-125				
Surrogate: SURR: Toluene-d8	48.8		"	50.0		97.6	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.6		"	50.0		97.3	76-130				



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 BK90287 - EPA 3550C											
Blank (BK90287-BLK1)											
Prepared: 11/06/2019 Analyzed: 11/07/2019											
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2,4-Trichlorobenzene	ND	0.0416	"								
1,2-Dichlorobenzene	ND	0.0416	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
1,3-Dichlorobenzene	ND	0.0416	"								
1,4-Dichlorobenzene	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK90287 - EPA 3550C

Blank (BK90287-BLK1)

Prepared: 11/06/2019 Analyzed: 11/07/2019

Caprolactam	ND	0.0830	mg/kg wet								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: SURR: 2-Fluorophenol	0.833		"	1.66		50.1	20-108				
Surrogate: SURR: Phenol-d5	0.781		"	1.66		47.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.439		"	0.831		52.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.476		"	0.831		57.4	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.21		"	1.66		73.1	19-110				
Surrogate: SURR: Terphenyl-d14	0.534		"	0.831		64.3	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 BK90287 - EPA 3550C											
LCS (BK90287-BS1)						Prepared: 11/06/2019 Analyzed: 11/07/2019					
1,1-Biphenyl	0.425	0.0416	mg/kg wet	0.831		51.2	18-111				
1,2,4,5-Tetrachlorobenzene	0.582	0.0830	"	0.988		58.9	21-131				
1,2,4-Trichlorobenzene	0.452	0.0416	"	0.831		54.4	10-140				
1,2-Dichlorobenzene	0.424	0.0416	"	0.831		51.0	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.335	0.0416	"	0.831		40.4	17-137				
1,3-Dichlorobenzene	0.391	0.0416	"	0.831		47.1	33-110				
1,4-Dichlorobenzene	0.383	0.0416	"	0.831		46.1	32-104				
2,3,4,6-Tetrachlorophenol	0.489	0.0830	"	0.831		58.9	30-130				
2,4,5-Trichlorophenol	0.430	0.0416	"	0.831		51.8	27-118				
2,4,6-Trichlorophenol	0.503	0.0416	"	0.831		60.6	31-120				
2,4-Dichlorophenol	0.511	0.0416	"	0.831		61.5	20-127				
2,4-Dimethylphenol	0.460	0.0416	"	0.831		55.4	14-132				
2,4-Dinitrophenol	0.179	0.0830	"	0.831		21.5	10-171				
2,4-Dinitrotoluene	0.556	0.0416	"	0.831		67.0	34-131				
2,6-Dinitrotoluene	0.553	0.0416	"	0.831		66.6	31-128				
2-Chloronaphthalene	0.401	0.0416	"	0.831		48.2	31-117				
2-Chlorophenol	0.433	0.0416	"	0.831		52.1	33-113				
2-Methylnaphthalene	0.491	0.0416	"	0.831		59.2	12-138				
2-Methylphenol	0.362	0.0416	"	0.831		43.6	10-136				
2-Nitroaniline	0.513	0.0830	"	0.831		61.8	27-132				
2-Nitrophenol	0.625	0.0416	"	0.831		75.3	17-129				
3- & 4-Methylphenols	0.309	0.0416	"	0.831		37.2	29-103				
3,3-Dichlorobenzidine	0.520	0.0416	"	0.831		62.6	22-149				
3-Nitroaniline	0.434	0.0830	"	0.831		52.3	20-133				
4,6-Dinitro-2-methylphenol	0.659	0.0830	"	0.831		79.4	10-143				
4-Bromophenyl phenyl ether	0.474	0.0416	"	0.831		57.1	29-120				
4-Chloro-3-methylphenol	0.449	0.0416	"	0.831		54.0	24-129				
4-Chloroaniline	0.289	0.0416	"	0.831		34.8	10-132				
4-Chlorophenyl phenyl ether	0.478	0.0416	"	0.831		57.6	27-124				
4-Nitroaniline	0.480	0.0830	"	0.831		57.8	16-128				
4-Nitrophenol	0.433	0.0830	"	0.831		52.1	10-141				
Acenaphthene	0.435	0.0416	"	0.831		52.4	30-121				
Acenaphthylene	0.418	0.0416	"	0.831		50.4	30-115				
Acetophenone	0.395	0.0416	"	0.831		47.5	20-112				
Aniline	0.280	0.166	"	0.831		33.7	10-119				
Anthracene	0.497	0.0416	"	0.831		59.8	34-118				
Atrazine	0.511	0.0416	"	0.831		61.5	26-112				
Benzaldehyde	0.474	0.0416	"	0.831		57.1	21-100				
Benzo(a)anthracene	0.517	0.0416	"	0.831		62.2	32-122				
Benzo(a)pyrene	0.519	0.0416	"	0.831		62.4	29-133				
Benzo(b)fluoranthene	0.540	0.0416	"	0.831		65.0	25-133				
Benzo(g,h,i)perylene	0.533	0.0416	"	0.831		64.2	10-143				
Benzo(k)fluoranthene	0.495	0.0416	"	0.831		59.6	25-128				
Benzoic acid	0.174	0.0416	"	0.831		20.9	10-140				
Benzyl alcohol	0.435	0.0416	"	0.831		52.4	30-115				
Benzyl butyl phthalate	0.467	0.0416	"	0.831		56.2	26-126				
Bis(2-chloroethoxy)methane	0.390	0.0416	"	0.831		46.9	19-132				
Bis(2-chloroethyl)ether	0.386	0.0416	"	0.831		46.4	19-125				
Bis(2-chloroisopropyl)ether	0.314	0.0416	"	0.831		37.8	20-135				
Bis(2-ethylhexyl)phthalate	0.511	0.0416	"	0.831		61.5	10-155				
Caprolactam	0.438	0.0830	"	0.831		52.8	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
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Batch BK90287 - EPA 3550C

LCS (BK90287-BS1)

Prepared: 11/06/2019 Analyzed: 11/07/2019

Carbazole	0.455	0.0416	mg/kg wet	0.831		54.8	35-123				
Chrysene	0.482	0.0416	"	0.831		58.0	32-123				
Dibenzo(a,h)anthracene	0.564	0.0416	"	0.831		67.9	10-136				
Dibenzofuran	0.443	0.0416	"	0.831		53.3	29-121				
Diethyl phthalate	0.450	0.0416	"	0.831		54.2	34-116				
Dimethyl phthalate	0.371	0.0416	"	0.831		44.7	35-124				
Di-n-butyl phthalate	0.483	0.0416	"	0.831		58.1	31-116				
Di-n-octyl phthalate	0.564	0.0416	"	0.831		67.9	26-136				
Fluoranthene	0.525	0.0416	"	0.831		63.2	33-122				
Fluorene	0.451	0.0416	"	0.831		54.3	29-123				
Hexachlorobenzene	0.433	0.0416	"	0.831		52.1	21-124				
Hexachlorobutadiene	0.505	0.0416	"	0.831		60.8	10-149				
Hexachlorocyclopentadiene	0.285	0.0416	"	0.831		34.3	10-129				
Hexachloroethane	0.404	0.0416	"	0.831		48.7	28-108				
Indeno(1,2,3-cd)pyrene	0.528	0.0416	"	0.831		63.6	10-135				
Isophorone	0.385	0.0416	"	0.831		46.3	20-132				
Naphthalene	0.451	0.0416	"	0.831		54.3	23-124				
Nitrobenzene	0.379	0.0416	"	0.831		45.7	13-132				
N-Nitrosodimethylamine	0.303	0.0416	"	0.831		36.5	11-129				
N-nitroso-di-n-propylamine	0.336	0.0416	"	0.831		40.5	24-119				
N-Nitrosodiphenylamine	0.558	0.0416	"	0.831		67.2	22-152				
Pentachlorophenol	0.417	0.0416	"	0.831		50.2	10-139				
Phenanthrene	0.473	0.0416	"	0.831		56.9	33-123				
Phenol	0.400	0.0416	"	0.831		48.1	23-115				
Pyrene	0.481	0.0416	"	0.831		57.9	32-130				
Surrogate: SURR: 2-Fluorophenol	0.778		"	1.66		46.8	20-108				
Surrogate: SURR: Phenol-d5	0.724		"	1.66		43.6	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.410		"	0.831		49.4	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.438		"	0.831		52.7	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.20		"	1.66		72.4	19-110				
Surrogate: SURR: Terphenyl-d14	0.514		"	0.831		61.9	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 BK90287 - EPA 3550C											
Matrix Spike (BK90287-MS1)	*Source sample: 19K0220-12 (SOCOMP02_110619)						Prepared: 11/06/2019 Analyzed: 11/07/2019				
1,1-Biphenyl	0.557	0.103	mg/kg dry	1.02	ND	54.4	10-130				
1,2,4,5-Tetrachlorobenzene	0.803	0.205	"	1.22	ND	65.9	10-133				
1,2,4-Trichlorobenzene	0.611	0.103	"	1.02	ND	59.7	10-127				
1,2-Dichlorobenzene	0.511	0.103	"	1.02	ND	49.9	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.453	0.103	"	1.02	ND	44.2	10-144				
1,3-Dichlorobenzene	0.484	0.103	"	1.02	ND	47.2	11-111				
1,4-Dichlorobenzene	0.490	0.103	"	1.02	ND	47.8	10-106				
2,3,4,6-Tetrachlorophenol	0.775	0.205	"	1.02	ND	75.6	30-130				
2,4,5-Trichlorophenol	0.642	0.103	"	1.02	ND	62.6	10-127				
2,4,6-Trichlorophenol	0.728	0.103	"	1.02	ND	71.0	10-132				
2,4-Dichlorophenol	0.719	0.103	"	1.02	ND	70.2	10-128				
2,4-Dimethylphenol	0.659	0.103	"	1.02	ND	64.3	10-137				
2,4-Dinitrophenol	ND	0.205	"	1.02	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.802	0.103	"	1.02	ND	78.2	16-135				
2,6-Dinitrotoluene	0.735	0.103	"	1.02	ND	71.8	18-131				
2-Chloronaphthalene	0.557	0.103	"	1.02	ND	54.3	10-129				
2-Chlorophenol	0.566	0.103	"	1.02	ND	55.3	15-116				
2-Methylnaphthalene	0.664	0.103	"	1.02	ND	64.8	10-147				
2-Methylphenol	0.476	0.103	"	1.02	ND	46.5	10-136				
2-Nitroaniline	0.710	0.205	"	1.02	ND	69.3	10-137				
2-Nitrophenol	0.856	0.103	"	1.02	ND	83.6	10-129				
3- & 4-Methylphenols	0.434	0.103	"	1.02	ND	42.4	10-123				
3,3-Dichlorobenzidine	0.411	0.103	"	1.02	ND	40.2	10-155				
3-Nitroaniline	0.553	0.205	"	1.02	ND	54.0	12-133				
4,6-Dinitro-2-methylphenol	ND	0.205	"	1.02	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.666	0.103	"	1.02	ND	65.0	14-128				
4-Chloro-3-methylphenol	0.654	0.103	"	1.02	ND	63.8	10-134				
4-Chloroaniline	0.414	0.103	"	1.02	ND	40.4	10-145				
4-Chlorophenyl phenyl ether	0.618	0.103	"	1.02	ND	60.3	14-130				
4-Nitroaniline	0.667	0.205	"	1.02	ND	65.1	10-147				
4-Nitrophenol	0.493	0.205	"	1.02	ND	48.2	10-137				
Acenaphthene	0.603	0.103	"	1.02	ND	58.9	10-146				
Acenaphthylene	0.611	0.103	"	1.02	0.0516	54.6	10-134				
Acetophenone	0.535	0.103	"	1.02	ND	52.2	10-116				
Aniline	0.316	0.411	"	1.02	ND	30.8	10-123				
Anthracene	0.801	0.103	"	1.02	0.220	56.7	10-142				
Atrazine	0.723	0.103	"	1.02	ND	70.6	19-115				
Benzaldehyde	0.666	0.103	"	1.02	ND	65.0	10-125				
Benzo(a)anthracene	1.03	0.103	"	1.02	0.561	46.2	10-158				
Benzo(a)pyrene	1.10	0.103	"	1.02	0.571	51.6	10-180				
Benzo(b)fluoranthene	1.08	0.103	"	1.02	0.518	54.9	10-200				
Benzo(g,h,i)perylene	0.908	0.103	"	1.02	0.339	55.5	10-138				
Benzo(k)fluoranthene	0.966	0.103	"	1.02	0.471	48.3	10-197				
Benzoic acid	0.252	0.103	"	1.02	ND	24.6	10-166				
Benzyl alcohol	0.583	0.103	"	1.02	ND	56.9	12-124				
Benzyl butyl phthalate	0.572	0.103	"	1.02	ND	55.8	10-154				
Bis(2-chloroethoxy)methane	0.514	0.103	"	1.02	ND	50.2	10-132				
Bis(2-chloroethyl)ether	0.526	0.103	"	1.02	ND	51.4	10-119				
Bis(2-chloroisopropyl)ether	0.379	0.103	"	1.02	ND	37.0	10-139				
Bis(2-ethylhexyl)phthalate	0.729	0.103	"	1.02	0.0984	61.6	10-167				
Caprolactam	0.606	0.205	"	1.02	ND	59.1	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
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Batch BK90287 - EPA 3550C

Matrix Spike (BK90287-MS1)		*Source sample: 19K0220-12 (SOCOMP02_110619)						Prepared: 11/06/2019 Analyzed: 11/07/2019			
Carbazole	0.696	0.103	mg/kg dry	1.02	0.0729	60.8	10-167				
Chrysene	1.04	0.103	"	1.02	0.564	46.6	10-156				
Dibenzo(a,h)anthracene	0.822	0.103	"	1.02	0.120	68.6	10-137				
Dibenzofuran	0.634	0.103	"	1.02	ND	61.9	10-147				
Diethyl phthalate	0.625	0.103	"	1.02	ND	61.0	20-120				
Dimethyl phthalate	0.480	0.103	"	1.02	ND	46.9	18-131				
Di-n-butyl phthalate	0.662	0.103	"	1.02	ND	64.6	10-137				
Di-n-octyl phthalate	0.776	0.103	"	1.02	ND	75.8	10-180				
Fluoranthene	1.43	0.103	"	1.02	1.16	26.2	10-160				
Fluorene	0.690	0.103	"	1.02	0.0787	59.7	10-157				
Hexachlorobenzene	0.552	0.103	"	1.02	ND	53.9	10-137				
Hexachlorobutadiene	0.621	0.103	"	1.02	ND	60.6	10-132				
Hexachlorocyclopentadiene	ND	0.103	"	1.02	ND		10-106	Low Bias			
Hexachloroethane	0.355	0.103	"	1.02	ND	34.6	10-110				
Indeno(1,2,3-cd)pyrene	0.915	0.103	"	1.02	0.304	59.7	10-144				
Isophorone	0.525	0.103	"	1.02	ND	51.2	10-132				
Naphthalene	0.599	0.103	"	1.02	ND	58.5	10-141				
Nitrobenzene	0.538	0.103	"	1.02	ND	52.6	10-131				
N-Nitrosodimethylamine	0.390	0.103	"	1.02	ND	38.1	10-126				
N-nitroso-di-n-propylamine	0.463	0.103	"	1.02	ND	45.2	10-125				
N-Nitrosodiphenylamine	0.831	0.103	"	1.02	ND	81.1	10-177				
Pentachlorophenol	0.478	0.103	"	1.02	ND	46.6	10-153				
Phenanthrene	1.11	0.103	"	1.02	0.723	37.7	10-148				
Phenol	0.545	0.103	"	1.02	ND	53.2	10-126				
Pyrene	1.20	0.103	"	1.02	0.855	33.4	10-165				
Surrogate: SURR: 2-Fluorophenol	0.985		"	2.05		48.1	20-108				
Surrogate: SURR: Phenol-d5	0.950		"	2.05		46.4	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.582		"	1.02		56.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.593		"	1.02		57.8	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.70		"	2.05		83.0	19-110				
Surrogate: SURR: Terphenyl-d14	0.655		"	1.02		63.9	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 BK90287 - EPA 3550C											
Matrix Spike Dup (BK90287-MSD1)	*Source sample: 19K0220-12 (SOCOMP02_110619)						Prepared: 11/06/2019 Analyzed: 11/07/2019				
1,1-Biphenyl	0.535	0.103	mg/kg dry	1.02	ND	52.2	10-130		4.05	30	
1,2,4,5-Tetrachlorobenzene	0.697	0.205	"	1.22	ND	57.2	10-133		14.1	30	
1,2,4-Trichlorobenzene	0.539	0.103	"	1.02	ND	52.6	10-127		12.5	30	
1,2-Dichlorobenzene	0.461	0.103	"	1.02	ND	45.0	14-111		10.5	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.405	0.103	"	1.02	ND	39.5	10-144		11.3	30	
1,3-Dichlorobenzene	0.447	0.103	"	1.02	ND	43.6	11-111		7.93	30	
1,4-Dichlorobenzene	0.475	0.103	"	1.02	ND	46.3	10-106		3.23	30	
2,3,4,6-Tetrachlorophenol	0.681	0.205	"	1.02	ND	66.5	30-130		12.8	30	
2,4,5-Trichlorophenol	0.617	0.103	"	1.02	ND	60.2	10-127		3.91	30	
2,4,6-Trichlorophenol	0.652	0.103	"	1.02	ND	63.7	10-132		10.9	30	
2,4-Dichlorophenol	0.674	0.103	"	1.02	ND	65.8	10-128		6.47	30	
2,4-Dimethylphenol	0.583	0.103	"	1.02	ND	56.9	10-137		12.3	30	
2,4-Dinitrophenol	ND	0.205	"	1.02	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.746	0.103	"	1.02	ND	72.8	16-135		7.20	30	
2,6-Dinitrotoluene	0.690	0.103	"	1.02	ND	67.4	18-131		6.33	30	
2-Chloronaphthalene	0.520	0.103	"	1.02	ND	50.8	10-129		6.70	30	
2-Chlorophenol	0.569	0.103	"	1.02	ND	55.5	15-116		0.433	30	
2-Methylnaphthalene	0.612	0.103	"	1.02	ND	59.8	10-147		8.09	30	
2-Methylphenol	0.464	0.103	"	1.02	ND	45.3	10-136		2.62	30	
2-Nitroaniline	0.690	0.205	"	1.02	ND	67.4	10-137		2.81	30	
2-Nitrophenol	0.794	0.103	"	1.02	ND	77.5	10-129		7.55	30	
3- & 4-Methylphenols	0.429	0.103	"	1.02	ND	41.8	10-123		1.33	30	
3,3-Dichlorobenzidine	0.434	0.103	"	1.02	ND	42.4	10-155		5.43	30	
3-Nitroaniline	0.540	0.205	"	1.02	ND	52.7	12-133		2.40	30	
4,6-Dinitro-2-methylphenol	ND	0.205	"	1.02	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.615	0.103	"	1.02	ND	60.0	14-128		7.94	30	
4-Chloro-3-methylphenol	0.610	0.103	"	1.02	ND	59.5	10-134		7.00	30	
4-Chloroaniline	0.393	0.103	"	1.02	ND	38.4	10-145		5.08	30	
4-Chlorophenyl phenyl ether	0.627	0.103	"	1.02	ND	61.2	14-130		1.45	30	
4-Nitroaniline	0.697	0.205	"	1.02	ND	68.1	10-147		4.44	30	
4-Nitrophenol	0.549	0.205	"	1.02	ND	53.6	10-137		10.7	30	
Acenaphthene	0.553	0.103	"	1.02	ND	54.0	10-146		8.65	30	
Acenaphthylene	0.563	0.103	"	1.02	0.0516	49.9	10-134		8.10	30	
Acetophenone	0.497	0.103	"	1.02	ND	48.5	10-116		7.47	30	
Aniline	0.286	0.411	"	1.02	ND	27.9	10-123		9.81	30	
Anthracene	0.686	0.103	"	1.02	0.220	45.5	10-142		15.4	30	
Atrazine	0.660	0.103	"	1.02	ND	64.4	19-115		9.13	30	
Benzaldehyde	0.604	0.103	"	1.02	ND	59.0	10-125		9.68	30	
Benzo(a)anthracene	0.839	0.103	"	1.02	0.561	27.2	10-158		20.8	30	
Benzo(a)pyrene	0.876	0.103	"	1.02	0.571	29.8	10-180		22.6	30	
Benzo(b)fluoranthene	0.901	0.103	"	1.02	0.518	37.4	10-200		18.1	30	
Benzo(g,h,i)perylene	0.761	0.103	"	1.02	0.339	41.1	10-138		17.7	30	
Benzo(k)fluoranthene	0.817	0.103	"	1.02	0.471	33.8	10-197		16.7	30	
Benzoic acid	0.0951	0.103	"	1.02	ND	9.28	10-166	Low Bias	90.6	30	Non-dir.
Benzyl alcohol	0.553	0.103	"	1.02	ND	54.0	12-124		5.19	30	
Benzyl butyl phthalate	0.569	0.103	"	1.02	ND	55.5	10-154		0.575	30	
Bis(2-chloroethoxy)methane	0.503	0.103	"	1.02	ND	49.1	10-132		2.10	30	
Bis(2-chloroethyl)ether	0.513	0.103	"	1.02	ND	50.1	10-119		2.52	30	
Bis(2-chloroisopropyl)ether	0.383	0.103	"	1.02	ND	37.4	10-139		1.08	30	
Bis(2-ethylhexyl)phthalate	0.693	0.103	"	1.02	0.0984	58.0	10-167		5.19	30	
Caprolactam	0.551	0.205	"	1.02	ND	53.8	10-132		9.50	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
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Batch BK90287 - EPA 3550C

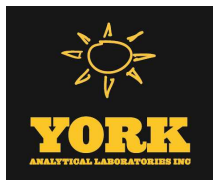
Matrix Spike Dup (BK90287-MSD1)		*Source sample: 19K0220-12 (SOCOMP02_110619)					Prepared: 11/06/2019 Analyzed: 11/07/2019				
Carbazole	0.626	0.103	mg/kg dry	1.02	0.0729	54.0	10-167		10.5	30	
Chrysene	0.827	0.103	"	1.02	0.564	25.7	10-156		23.0	30	
Dibenzo(a,h)anthracene	0.721	0.103	"	1.02	0.120	58.7	10-137		13.1	30	
Dibenzofuran	0.594	0.103	"	1.02	ND	58.0	10-147		6.54	30	
Diethyl phthalate	0.566	0.103	"	1.02	ND	55.3	20-120		9.90	30	
Dimethyl phthalate	0.439	0.103	"	1.02	ND	42.9	18-131		8.91	30	
Di-n-butyl phthalate	0.608	0.103	"	1.02	ND	59.4	10-137		8.52	30	
Di-n-octyl phthalate	0.735	0.103	"	1.02	ND	71.8	10-180		5.42	30	
Fluoranthene	1.05	0.103	"	1.02	1.16	NR	10-160	Low Bias	30.3	30	Non-dir.
Fluorene	0.606	0.103	"	1.02	0.0787	51.5	10-157		12.9	30	
Hexachlorobenzene	0.557	0.103	"	1.02	ND	54.3	10-137		0.739	30	
Hexachlorobutadiene	0.597	0.103	"	1.02	ND	58.2	10-132		4.04	30	
Hexachlorocyclopentadiene	ND	0.103	"	1.02	ND		10-106	Low Bias		30	
Hexachloroethane	0.225	0.103	"	1.02	ND	22.0	10-110		44.6	30	Non-dir.
Indeno(1,2,3-cd)pyrene	0.770	0.103	"	1.02	0.304	45.5	10-144		17.2	30	
Isophorone	0.475	0.103	"	1.02	ND	46.3	10-132		10.0	30	
Naphthalene	0.568	0.103	"	1.02	ND	55.4	10-141		5.34	30	
Nitrobenzene	0.511	0.103	"	1.02	ND	49.8	10-131		5.31	30	
N-Nitrosodimethylamine	0.349	0.103	"	1.02	ND	34.1	10-126		11.1	30	
N-nitroso-di-n-propylamine	0.436	0.103	"	1.02	ND	42.6	10-125		6.02	30	
N-Nitrosodiphenylamine	0.759	0.103	"	1.02	ND	74.1	10-177		9.07	30	
Pentachlorophenol	0.485	0.103	"	1.02	ND	47.4	10-153		1.53	30	
Phenanthrene	0.764	0.103	"	1.02	0.723	4.00	10-148	Low Bias	36.8	30	Non-dir.
Phenol	0.497	0.103	"	1.02	ND	48.5	10-126		9.28	30	
Pyrene	0.884	0.103	"	1.02	0.855	2.88	10-165	Low Bias	30.1	30	Non-dir.
Surrogate: SURR: 2-Fluorophenol	0.938		"	2.05		45.8	20-108				
Surrogate: SURR: Phenol-d5	0.925		"	2.05		45.2	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.552		"	1.02		53.9	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.571		"	1.02		55.8	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.66		"	2.05		80.9	19-110				
Surrogate: SURR: Terphenyl-d14	0.647		"	1.02		63.1	24-116				



Semivolatile Organic Compounds by GC/MS/SIM - 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 BK90343 - EPA 3550C											
Blank (BK90343-BLK1)						Prepared & Analyzed: 11/07/2019					
1,4-Dioxane	ND	9.90	ug/kg								
Surrogate: 1,4-Dioxane-d8	149		"	248		60.0	50-130				
LCS (BK90343-BS1)						Prepared & Analyzed: 11/07/2019					
1,4-Dioxane	183	9.90	ug/kg	248		74.0	50-130				
Surrogate: 1,4-Dioxane-d8	129		"	248		52.0	50-130				
Matrix Spike (BK90343-MS1)						*Source sample: 19K0220-13 (SOCOMP03_110619) Prepared & Analyzed: 11/07/2019					
1,4-Dioxane	211	9.90	ug/kg	248	ND	85.2	50-130				
Surrogate: 1,4-Dioxane-d8	158		"	248		64.0	50-130				
Matrix Spike Dup (BK90343-MSD1)						*Source sample: 19K0220-13 (SOCOMP03_110619) Prepared & Analyzed: 11/07/2019					
1,4-Dioxane	185	9.90	ug/kg	248	ND	74.8	50-130		13.0	30	
Surrogate: 1,4-Dioxane-d8	149		"	248		60.0	50-130				



PFAS Target compounds by LC/MS-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 BK90250 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BK90250-BLK1)

Prepared: 11/06/2019 Analyzed: 11/08/2019

Perfluorobutanesulfonic acid (PFBS)	ND	0.678	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.678	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.678	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.678	"								
Perfluorooctanoic acid (PFOA)	ND	0.678	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.678	"								
Perfluorononanoic acid (PFNA)	ND	0.678	"								
Perfluorodecanoic acid (PFDA)	ND	0.678	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.678	"								
Perfluorododecanoic acid (PFDoA)	ND	0.678	"								
Perfluorotridecanoic acid (PFTDA)	ND	0.678	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.678	"								
N-MeFOSAA	ND	0.678	"								
N-EtFOSAA	ND	0.678	"								
Perfluoropentanoic acid (PFPeA)	ND	0.678	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.678	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.678	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.678	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	0.678	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	0.678	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.678	"								
Surrogate: M3PFBS	3.32		"	4.20		78.9	25-150				
Surrogate: M5PFHxA	3.22		"	4.52		71.3	25-150				
Surrogate: M4PFHpA	4.01		"	4.52		88.6	25-150				
Surrogate: M3PFHxS	3.27		"	4.28		76.5	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.48		"	4.52		77.0	25-150				
Surrogate: M6PFDA	2.85		"	4.52		63.0	25-150				
Surrogate: M7PFUdA	3.30		"	4.52		73.1	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	2.66		"	4.52		58.8	25-150				
Surrogate: M2PFTeDA	2.72		"	4.52		60.2	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.22		"	4.52		71.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.20		"	4.33		73.9	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	3.23		"	4.52		71.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.93		"	4.52		64.9	10-150				
Surrogate: d3-N-MeFOSAA	4.00		"	4.52		88.4	25-150				
Surrogate: d5-N-EtFOSAA	4.17		"	4.52		92.2	25-150				
Surrogate: M2-6:2 FTS	6.61		"	4.29		154	25-150				
Surrogate: M2-8:2 FTS	7.06		"	4.33		163	25-150				
Surrogate: M9PFNA	3.34		"	4.52		73.8	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

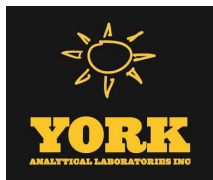
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK90250 - SPE PFAS Extraction-Soil-EPA 537m

LCS (BK90250-BS1)

Prepared: 11/06/2019 Analyzed: 11/08/2019

Perfluorobutanesulfonic acid (PFBS)	4.80	0.717	ug/kg wet	4.23		113	50-130				
Perfluorohexanoic acid (PFHxA)	4.66	0.717	"	4.78		97.5	50-130				
Perfluoroheptanoic acid (PFHpA)	4.13	0.717	"	4.78		86.5	50-130				
Perfluorohexanesulfonic acid (PFHxS)	3.84	0.717	"	3.54		109	50-130				
Perfluorooctanoic acid (PFOA)	4.22	0.717	"	4.78		88.3	50-130				
Perfluorooctanesulfonic acid (PFOS)	3.71	0.717	"	3.49		106	50-130				
Perfluorononanoic acid (PFNA)	4.56	0.717	"	4.59		99.4	50-130				
Perfluorodecanoic acid (PFDA)	4.38	0.717	"	4.78		91.6	50-130				
Perfluoroundecanoic acid (PFUnA)	4.49	0.717	"	4.78		93.9	50-130				
Perfluorododecanoic acid (PFDoA)	5.62	0.717	"	4.78		117	50-130				
Perfluorotridecanoic acid (PFTDA)	4.40	0.717	"	4.78		92.1	50-130				
Perfluorotetradecanoic acid (PFTA)	4.94	0.717	"	4.78		103	50-130				
N-MeFOSAA	4.68	0.717	"	4.78		97.8	50-130				
N-EtFOSAA	4.73	0.717	"	4.78		98.9	50-130				
Perfluoropentanoic acid (PFPeA)	4.82	0.717	"	4.78		101	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.81	0.717	"	4.78		101	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.26	0.717	"	4.76		111	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	4.58	0.717	"	4.61		99.2	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	4.53	0.717	"	4.54		99.8	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	4.62	0.717	"	4.59		101	50-130				
Perfluoro-n-butanoic acid (PFBA)	5.06	0.717	"	4.78		106	50-130				
Surrogate: M3PFBS	3.44		"	4.44		77.4	25-150				
Surrogate: M5PFHxA	3.33		"	4.78		69.7	25-150				
Surrogate: M4PFHpA	4.19		"	4.78		87.5	25-150				
Surrogate: M3PFHxS	3.48		"	4.52		76.8	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.95		"	4.78		82.7	25-150				
Surrogate: M6PFDA	3.72		"	4.78		77.9	25-150				
Surrogate: M7PFUdA	3.25		"	4.78		68.0	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	2.98		"	4.78		62.3	25-150				
Surrogate: M2PFTeDA	3.04		"	4.78		63.6	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.41		"	4.78		71.3	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.46		"	4.58		75.6	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	3.35		"	4.78		70.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.24		"	4.78		67.8	10-150				
Surrogate: d3-N-MeFOSAA	4.45		"	4.78		93.0	25-150				
Surrogate: d5-N-EtFOSAA	4.49		"	4.78		93.9	25-150				
Surrogate: M2-6:2 FTS	6.56		"	4.54		145	25-150				
Surrogate: M2-8:2 FTS	6.27		"	4.58		137	25-150				
Surrogate: M9PFNA	3.48		"	4.78		72.8	25-150				



PFAS Target compounds by LC/MS-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 BK90333 - SPE Ext-PFAS-EPA 537.1M

Blank (BK90333-BLK1)

Prepared & Analyzed: 11/07/2019

Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	56.9		"	74.3		76.5	25-150				
Surrogate: M5PFHxA	55.2		"	80.0		69.1	25-150				
Surrogate: M4PFHpA	67.8		"	80.0		84.8	25-150				
Surrogate: M3PFHxS	55.6		"	75.7		73.5	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	55.3		"	80.0		69.1	25-150				
Surrogate: M6PFDA	52.9		"	80.0		66.2	25-150				
Surrogate: M7PFUdA	50.9		"	80.0		63.6	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	43.9		"	80.0		54.8	25-150				
Surrogate: M2PFTeDA	35.4		"	80.0		44.3	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	56.8		"	80.0		71.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	59.2		"	76.6		77.4	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	57.1		"	80.0		71.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	53.9		"	80.0		67.4	10-150				
Surrogate: d3-N-MeFOSAA	73.1		"	80.0		91.4	25-150				
Surrogate: d5-N-EtFOSAA	73.4		"	80.0		91.8	25-150				
Surrogate: M2-6:2 FTS	91.1		"	75.9		120	25-150				
Surrogate: M2-8:2 FTS	114		"	76.6		148	25-150				
Surrogate: M9PFNA	58.4		"	80.0		73.0	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

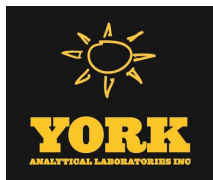
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK90333 - SPE Ext-PFAS-EPA 537.1M

LCS (BK90333-BS1)

Prepared & Analyzed: 11/07/2019

Perfluorobutanesulfonic acid (PFBS)	73.4	2.00	ng/L	70.8		104	50-130				
Perfluorohexanoic acid (PFHxA)	77.0	2.00	"	80.0		96.2	50-130				
Perfluoroheptanoic acid (PFHpA)	66.0	2.00	"	80.0		82.5	50-130				
Perfluorohexanesulfonic acid (PFHxS)	61.6	2.00	"	59.2		104	50-130				
Perfluorooctanoic acid (PFOA)	76.2	2.00	"	80.0		95.2	50-130				
Perfluorooctanesulfonic acid (PFOS)	60.1	2.00	"	58.4		103	50-130				
Perfluorononanoic acid (PFNA)	68.3	2.00	"	76.8		89.0	50-130				
Perfluorodecanoic acid (PFDA)	71.3	2.00	"	80.0		89.1	50-130				
Perfluoroundecanoic acid (PFUnA)	72.8	2.00	"	80.0		91.0	50-130				
Perfluorododecanoic acid (PFDoA)	82.4	2.00	"	80.0		103	50-130				
Perfluorotridecanoic acid (PFTDA)	64.4	2.00	"	80.0		80.5	50-130				
Perfluorotetradecanoic acid (PFTA)	78.2	2.00	"	80.0		97.8	50-130				
N-MeFOSAA	74.1	2.00	"	80.0		92.6	50-130				
N-EtFOSAA	77.7	2.00	"	80.0		97.1	50-130				
Perfluoropentanoic acid (PFPeA)	76.2	2.00	"	80.0		95.3	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	78.1	2.00	"	80.0		97.6	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	83.7	2.00	"	79.6		105	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	73.4	2.00	"	77.2		95.0	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	73.0	5.00	"	76.0		96.0	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	73.3	2.00	"	76.8		95.5	50-130				
Perfluoro-n-butanoic acid (PFBA)	76.5	2.00	"	80.0		95.7	50-130				
Surrogate: M3PFBS	62.6		"	74.3		84.2	25-150				
Surrogate: M5PFHxA	61.7		"	80.0		77.1	25-150				
Surrogate: M4PFHpA	78.5		"	80.0		98.1	25-150				
Surrogate: M3PFHxS	61.8		"	75.7		81.7	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	64.7		"	80.0		80.9	25-150				
Surrogate: M6PFDA	62.9		"	80.0		78.7	25-150				
Surrogate: M7PFUdA	59.7		"	80.0		74.7	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	52.1		"	80.0		65.2	25-150				
Surrogate: M2PFTeDA	38.6		"	80.0		48.3	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	66.5		"	80.0		83.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	63.5		"	76.6		83.0	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	64.9		"	80.0		81.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	58.3		"	80.0		72.8	10-150				
Surrogate: d3-N-MeFOSAA	80.9		"	80.0		101	25-150				
Surrogate: d5-N-EtFOSAA	75.2		"	80.0		94.0	25-150				
Surrogate: M2-6:2 FTS	97.1		"	75.9		128	25-150				
Surrogate: M2-8:2 FTS	89.0		"	76.6		116	25-150				
Surrogate: M9PFNA	61.8		"	80.0		77.3	25-150				



PFAS Target compounds by LC/MS-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 BK90333 - SPE Ext-PFAS-EPA 537.1M

LCS Dup (BK90333-BSD1)

Prepared & Analyzed: 11/07/2019

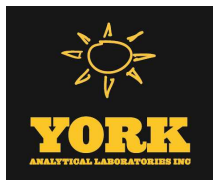
Perfluorobutanesulfonic acid (PFBS)	77.6	2.00	ng/L	70.8		110	50-130		5.59	30	
Perfluorohexanoic acid (PFHxA)	82.9	2.00	"	80.0		104	50-130		7.43	30	
Perfluoroheptanoic acid (PFHpA)	71.7	2.00	"	80.0		89.6	50-130		8.32	30	
Perfluorohexanesulfonic acid (PFHxS)	66.3	2.00	"	59.2		112	50-130		7.45	30	
Perfluorooctanoic acid (PFOA)	78.0	2.00	"	80.0		97.5	50-130		2.42	30	
Perfluorooctanesulfonic acid (PFOS)	65.4	2.00	"	58.4		112	50-130		8.40	30	
Perfluorononanoic acid (PFNA)	71.9	2.00	"	76.8		93.6	50-130		5.13	30	
Perfluorodecanoic acid (PFDA)	89.8	2.00	"	80.0		112	50-130		22.9	30	
Perfluoroundecanoic acid (PFUnA)	72.4	2.00	"	80.0		90.5	50-130		0.609	30	
Perfluorododecanoic acid (PFDoA)	82.2	2.00	"	80.0		103	50-130		0.221	30	
Perfluorotridecanoic acid (PFTriDA)	73.0	2.00	"	80.0		91.2	50-130		12.5	30	
Perfluorotetradecanoic acid (PFTA)	86.7	2.00	"	80.0		108	50-130		10.3	30	
N-MeFOSAA	83.4	2.00	"	80.0		104	50-130		11.8	30	
N-EtFOSAA	84.2	2.00	"	80.0		105	50-130		8.05	30	
Perfluoropentanoic acid (PFPeA)	81.5	2.00	"	80.0		102	50-130		6.74	30	
Perfluoro-1-octanesulfonamide (FOSA)	84.3	2.00	"	80.0		105	50-130		7.62	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	88.7	2.00	"	79.6		111	50-130		5.79	30	
Perfluoro-1-decanesulfonic acid (PFDS)	78.4	2.00	"	77.2		102	50-130		6.61	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	77.9	5.00	"	76.0		103	50-130		6.53	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	78.4	2.00	"	76.8		102	50-130		6.71	30	
Perfluoro-n-butanoic acid (PFBA)	82.6	2.00	"	80.0		103	50-130		7.64	30	
Surrogate: M3PFBS	59.5		"	74.3		80.0	25-150				
Surrogate: M5PFHxA	60.8		"	80.0		76.0	25-150				
Surrogate: M4PFHpA	70.9		"	80.0		88.6	25-150				
Surrogate: M3PFHxS	59.1		"	75.7		78.1	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	63.3		"	80.0		79.1	25-150				
Surrogate: M6PFDA	53.8		"	80.0		67.2	25-150				
Surrogate: M7PFUdA	56.0		"	80.0		70.0	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	50.5		"	80.0		63.1	25-150				
Surrogate: M2PFTeDA	35.9		"	80.0		44.9	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	62.4		"	80.0		78.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	59.9		"	76.6		78.2	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	61.4		"	80.0		76.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	54.7		"	80.0		68.4	10-150				
Surrogate: d3-N-MeFOSAA	75.7		"	80.0		94.6	25-150				
Surrogate: d5-N-EtFOSAA	73.3		"	80.0		91.6	25-150				
Surrogate: M2-6:2 FTS	92.4		"	75.9		122	25-150				
Surrogate: M2-8:2 FTS	87.7		"	76.6		114	25-150				
Surrogate: M9PFNA	61.9		"	80.0		77.4	25-150				



PFAS Target compounds by LC/MS-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 BK90413 - EPA 3535A/1312-modified-PFAS											
Blank (BK90413-BLK1)						Prepared & Analyzed: 11/08/2019					
Perfluorooctanoic acid (PFOA)	ND	1.00	ng/L								
Perfluorooctanesulfonic acid (PFOS)	ND	1.00	"								
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	48.7		"	80.0		60.9	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	48.3		"	76.6		63.1	25-150				
LCS (BK90413-BS1)						Prepared & Analyzed: 11/08/2019					
Perfluorooctanoic acid (PFOA)	77.2	1.00	ng/L	80.0		96.5	50-130				
Perfluorooctanesulfonic acid (PFOS)	60.4	1.00	"	58.4		103	50-130				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	57.7		"	80.0		72.1	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	57.2		"	76.6		74.6	25-150				
Duplicate (BK90413-DUP1)						*Source sample: 19K0220-13 (SOCOMP03_110619) Prepared: 11/08/2019 Analyzed: 11/09/2019					
Perfluorooctanoic acid (PFOA)	6.59	2.00	ng/L		7.40				11.6	30	
Perfluorooctanesulfonic acid (PFOS)	4.71	2.00	"		4.41				6.62	30	
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	55.6		"	80.0		69.5	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	53.4		"	76.6		69.7	25-150				
Leach Fluid Blank (BK90413-LBK1)						Prepared & Analyzed: 11/08/2019					
Perfluorooctanoic acid (PFOA)	ND	1.00	ng/L								
Perfluorooctanesulfonic acid (PFOS)	ND	1.00	"								
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	50.1		"	80.0		62.6	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	53.3		"	76.6		69.6	25-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK90285 - EPA 3550C

Blank (BK90285-BLK1)

Prepared: 11/06/2019 Analyzed: 11/07/2019

4,4'-DDD	ND	0.000329	mg/kg wet								
4,4'-DDE	ND	0.000329	"								
4,4'-DDT	ND	0.000329	"								
Aldrin	ND	0.000329	"								
alpha-BHC	ND	0.000329	"								
alpha-Chlordane	ND	0.000329	"								
beta-BHC	ND	0.000329	"								
delta-BHC	ND	0.000329	"								
Dieldrin	ND	0.000329	"								
Endosulfan I	ND	0.000329	"								
Endosulfan II	ND	0.000329	"								
Endosulfan sulfate	ND	0.000329	"								
Endrin	ND	0.000329	"								
Endrin aldehyde	ND	0.000329	"								
Endrin ketone	ND	0.000329	"								
gamma-BHC (Lindane)	ND	0.000329	"								
gamma-Chlordane	ND	0.000329	"								
Heptachlor	ND	0.000329	"								
Heptachlor epoxide	ND	0.000329	"								
Methoxychlor	ND	0.000329	"								
Toxaphene	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	0.0404		"	0.0664		60.8	30-150				
Surrogate: Tetrachloro-m-xylene	0.0572		"	0.0664		86.1	30-150				

LCS (BK90285-BS1)

Prepared: 11/06/2019 Analyzed: 11/07/2019

4,4'-DDD	0.0291	0.000329	mg/kg wet	0.0332		87.7	40-140				
4,4'-DDE	0.0275	0.000329	"	0.0332		82.7	40-140				
4,4'-DDT	0.0153	0.000329	"	0.0332		46.2	40-140				
Aldrin	0.0314	0.000329	"	0.0332		94.6	40-140				
alpha-BHC	0.0344	0.000329	"	0.0332		103	40-140				
alpha-Chlordane	0.0278	0.000329	"	0.0332		83.7	40-140				
beta-BHC	0.0269	0.000329	"	0.0332		80.9	40-140				
delta-BHC	0.0276	0.000329	"	0.0332		82.9	40-140				
Dieldrin	0.0288	0.000329	"	0.0332		86.8	40-140				
Endosulfan I	0.0281	0.000329	"	0.0332		84.5	40-140				
Endosulfan II	0.0257	0.000329	"	0.0332		77.4	40-140				
Endosulfan sulfate	0.0235	0.000329	"	0.0332		70.6	40-140				
Endrin	0.0235	0.000329	"	0.0332		70.9	40-140				
Endrin aldehyde	0.0213	0.000329	"	0.0332		64.2	40-140				
Endrin ketone	0.0272	0.000329	"	0.0332		81.9	40-140				
gamma-BHC (Lindane)	0.0320	0.000329	"	0.0332		96.2	40-140				
gamma-Chlordane	0.0285	0.000329	"	0.0332		85.7	40-140				
Heptachlor	0.0268	0.000329	"	0.0332		80.7	40-140				
Heptachlor epoxide	0.0286	0.000329	"	0.0332		86.2	40-140				
Methoxychlor	0.0186	0.000329	"	0.0332		55.9	40-140				
Surrogate: Decachlorobiphenyl	0.0436		"	0.0664		65.7	30-150				
Surrogate: Tetrachloro-m-xylene	0.0614		"	0.0664		92.4	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch Y9I2404 - BI90712

Performance Mix (Y9I2404-PEM1)

Prepared & Analyzed: 09/16/2019

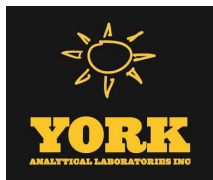
4,4'-DDD	12.6		ng/mL	0.00			0-200				
4,4'-DDE	1.76		"	0.00			0-200				
4,4'-DDT	464		"	200		232	0-200	High Bias			
Endrin	171		"	100		171	0-200				
Endrin aldehyde	7.46		"	0.00			0-200				
Endrin ketone	9.57		"	0.00			0-200				

Batch Y9K0834 - BJ91538

Performance Mix (Y9K0834-PEM1)

Prepared & Analyzed: 11/07/2019

4,4'-DDD	6.88		ng/mL	0.00			0-200				
4,4'-DDE	0.843		"	0.00			0-200				
4,4'-DDT	276		"	200		138	0-200				
Endrin	99.4		"	100		99.4	0-200				
Endrin aldehyde	1.12		"	0.00			0-200				
Endrin ketone	5.47		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK90285 - EPA 3550C

Blank (BK90285-BLK2)

Prepared: 11/06/2019 Analyzed: 11/07/2019

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	"								
Aroclor 1262	ND	0.0166	"								
Aroclor 1268	ND	0.0166	"								
Total PCBs	ND	0.0166	"								

Surrogate: Tetrachloro-m-xylene	0.0545		"	0.0664		82.0	30-120				
Surrogate: Decachlorobiphenyl	0.0551		"	0.0664		83.0	30-120				

LCS (BK90285-BS2)

Prepared: 11/06/2019 Analyzed: 11/07/2019

Aroclor 1016	0.310	0.0166	mg/kg wet	0.332		93.3	40-130				
Aroclor 1260	0.322	0.0166	"	0.332		96.8	40-130				
Surrogate: Tetrachloro-m-xylene	0.0581		"	0.0664		87.5	30-120				
Surrogate: Decachlorobiphenyl	0.0615		"	0.0664		92.5	30-120				



Chlorinated Herbicides 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 BK90298 - EPA 3550B/8151A

Blank (BK90298-BLK1)

Prepared & Analyzed: 11/07/2019

2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.713		"	0.498		143	21-150				

LCS (BK90298-BS1)

Prepared & Analyzed: 11/07/2019

2,4,5-T	0.0697	0.0199	mg/kg wet	0.159		43.7	10-120				
2,4,5-TP (Silvex)	0.0757	0.0199	"	0.159		47.5	10-120				
2,4-D	0.0807	0.0199	"	0.159		50.6	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.601		"	0.498		121	21-150				



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 BK90320 - EPA 3050B

Blank (BK90320-BLK1)

Prepared & Analyzed: 11/07/2019

Aluminum	ND	5.00	mg/kg wet
Antimony	ND	2.50	"
Arsenic	ND	1.50	"
Barium	ND	2.50	"
Beryllium	ND	0.050	"
Cadmium	ND	0.300	"
Calcium	ND	5.00	"
Chromium	ND	0.500	"
Cobalt	ND	0.400	"
Copper	ND	2.00	"
Iron	ND	25.0	"
Lead	ND	0.500	"
Magnesium	ND	5.00	"
Manganese	ND	0.500	"
Nickel	ND	1.00	"
Potassium	ND	5.00	"
Selenium	ND	2.50	"
Silver	ND	0.500	"
Sodium	ND	50.0	"
Thallium	ND	2.50	"
Vanadium	ND	1.00	"
Zinc	ND	2.50	"

Reference (BK90320-SRM1)

Prepared & Analyzed: 11/07/2019

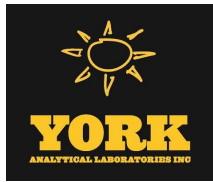
Aluminum	6380	5.00	mg/kg wet	7700	82.8	49.4-150.6	
Antimony	39.9	2.50	"	40.0	99.9	21.58-292.5	
Arsenic	131	1.50	"	125	105	69.8-129.6	
Barium	693	2.50	"	529	131	75-125.1	High Bias
Beryllium	192	0.050	"	155	124	74.8-125.2	
Cadmium	53.0	0.300	"	37.7	141	74.8-124.9	High Bias
Calcium	4820	5.00	"	4720	102	72.5-127.3	
Chromium	59.0	0.500	"	58.3	101	70-130	
Cobalt	229	0.400	"	196	117	75-125	
Copper	88.2	2.00	"	78.0	113	75-125	
Iron	10600	25.0	"	13800	76.9	34.4-165.9	
Lead	112	0.500	"	111	101	70.9-128.8	
Magnesium	2190	5.00	"	2240	97.8	61.6-138.4	
Manganese	325	0.500	"	310	105	74.5-125.2	
Nickel	396	1.00	"	333	119	70-130	
Potassium	1860	5.00	"	1970	94.3	58.4-141.1	
Selenium	253	2.50	"	251	101	69.3-131.1	
Silver	29.2	0.500	"	27.2	107	67.6-132	
Sodium	229	50.0	"	220	104	48.2-151.8	
Thallium	278	2.50	"	241	115	72.6-127.4	
Vanadium	125	1.00	"	125	100	70.2-129.6	
Zinc	371	2.50	"	351	106	69.8-129.9	



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	Limit	Flag
Batch BK90293 - EPA 7473 soil											
Blank (BK90293-BLK1)								Prepared & Analyzed: 11/06/2019			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BK90293-DUP1)								Prepared & Analyzed: 11/06/2019			
Mercury	0.134	0.0359	mg/kg dry		0.142				5.91	35	
Matrix Spike (BK90293-MS1)								Prepared & Analyzed: 11/06/2019			
Mercury	0.520		mg/kg	0.500	0.118	80.2	75-125				
Reference (BK90293-SRM1)								Prepared & Analyzed: 11/06/2019			
Mercury	3.4986		mg/kg	3.71		94.3	65-135				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag
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Batch BK90341 - % Solids Prep

Duplicate (BK90341-DUP1)		*Source sample: 19K0220-08 (SOGRAB12_110619)					Prepared & Analyzed: 11/07/2019				
% Solids	79.5	0.100	%		78.8			0.875	20		



Wet Chemistry 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
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Batch BK90306 - EPA SW846-3060

Blank (BK90306-BLK1)

Prepared & Analyzed: 11/07/2019

Chromium, Hexavalent ND 0.500 mg/kg wet

Reference (BK90306-SRM1)

Prepared & Analyzed: 11/07/2019

Chromium, Hexavalent 78.2 mg/L 124 63.1 33.06-167.74

Batch BK90313 - Analysis Preparation Soil

Blank (BK90313-BLK1)

Prepared & Analyzed: 11/07/2019

Cyanide, total ND 0.500 mg/kg wet

Reference (BK90313-SRM1)

Prepared & Analyzed: 11/07/2019

Cyanide, total 101 ug/mL 96.2 105 42.41-156.96

Batch BK90338 - EPA SW 846-1312 SPLP Extraction for PFAS

Blank (BK90338-BLK1)

Prepared: 11/07/2019 Analyzed: 11/08/2019

SPLP Extraction Completed 1.00 %



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19K0220-01	SOGRAB01_110619	40mL Vial with Stir Bar-Cool 4° C
19K0220-02	SOGRAB02_110619	40mL Vial with Stir Bar-Cool 4° C
19K0220-03	SOGRAB03_110619	40mL Vial with Stir Bar-Cool 4° C
19K0220-04	SOGRAB06_110619	40mL Vial with Stir Bar-Cool 4° C
19K0220-05	SOGRAB07_110619	40mL Vial with Stir Bar-Cool 4° C
19K0220-06	SOGRAB08_110619	40mL Vial with Stir Bar-Cool 4° C
19K0220-07	SOGRAB11_110619	40mL Vial with Stir Bar-Cool 4° C
19K0220-08	SOGRAB12_110619	40mL Vial with Stir Bar-Cool 4° C
19K0220-09	SOGRAB13_110619	40mL Vial with Stir Bar-Cool 4° C
19K0220-10	TB01_110619	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

S1-DIOX	The isotope recovered below control limits due to sample matrix. The recovery was greater than 10% and isotope dilution was applied to the native 1,4-Dioxane.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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 to the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
M-CRL	The RL check for this element recovered outside of control limits.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
EXT-Temp	Extraction temperature slightly exceeded acceptance range.
EXT-COMP	Completed
CCV-L	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased low.
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis



- Low Bias** Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias** High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir.** Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

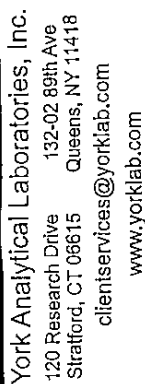
If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

YORK Project No.

19K0226

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.

Page 2 of 2

[illegible]

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau B
625 Broadway, 12th Floor, Albany, NY 12233-7016
P: (518) 402-9767 | F: (518) 402-9773
www.dec.ny.gov

November 26, 2019

LANGAN

Attn: Mr. Ryan Manderbach
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, NY 10001-2727

Re: Greater Waterside Site, New York
New York County, Site No.: C231013

Dear Mr. Manderbach:

The Department has reviewed your request, dated November 19, 2019 to import up to 2,000 cubic yards of manufactured organic topsoil from TS Haulers, a NYSDEC-registered C&D Debris Handling and Recovery Facility, located at 3968 Middle Country Road, Calverton, NY 11933, to be used in landscaping at the subject site. The request to import this material is hereby approved. The approval is based on the following factors:

1. The soil sample results met the lower of the groundwater protection soil cleanup objectives (SCOs) and the restricted residential SCOs for volatile organic compounds, semi-volatile organic compounds, pesticides/PCBs, and metals.
2. PFOA and PFOS did not exceed the screening level of 1 ppb.
3. 1,4-Dioxane did not exceed the screening level of 0.1 ppm.

Please submit a revised Site Management Plan (SMP) as we have discussed, for Departmental review and approval. In addition to the other issues we have discussed, it is anticipated that the revised SMP will remove all references to Development Depth to avoid future confusion. If you have any questions, please contact me at 518-402-9767 or e-mail: ronnie.lee@dec.ny.gov.

Sincerely,



Ronnie E. Lee, P.E.
Project Manager
Remedial Bureau B, Section C
Division of Environmental Remediation



Department of
Environmental
Conservation



895 ESSEX STREET • BROOKLYN, NY 11208

718-345-6451

FAX: 718-345-0086

DATE _____

REL #

226458

ATLAS
ROLL-OFF CORP.
Atlasrolloff.com

DELIVER TO: _____
JOB SITE _____

OB SITE

B SITE

REL #	VENDOR #	CROSS ST.

ARDS	QUANTITY	ITEM	TYPE	AMOUNT
------	----------	------	------	--------

		DUMPSTER SERVICE	☐ SWITCH
--	--	------------------	---------------------------------

			STONE		

		GROSS	

	NET	
	TARE	

		MAXIMUM TONNAGE ALLOWED	TONS
		24.50	TONS

	OVER TONNAGE CHARGES \$	PER TON	
	☐ DOT PERMIT ☐ RENEWAL ☐ PERMIT CONTRACTOR'S	☐ ON PROPERTY	

	WOOD PLANKING HAS BEEN PLACED UNDER ALL FOUR STEEL WHEELS OF CONTAINERS	☐ PICK UP CHECK
--	--	--

TRK#	DRIVER	LEFT SITE	RIGHT SITE
WARNING DRIVERS ARE NOT ALLOWED TO DRIVE OVER SIDEWALKS OR OTHER OBSTRUCTIONS UNLESS CUSTOMER ORDERS HIM TO AND ACCEPTS FULL RESPONSIBILITY FOR DAMAGE			
CONVENIENCE FEE		SUBTOTAL	

X SIGNATURE

I have received and acknowledge conditions stated above.

SITE COPY

TITLE

DRIVERS ARE NOT ALLOWED TO DRIVE OVER SIDEWALKS
OR OTHER OBSTRUCTIONS UNLESS CUSTOMER ORDERS
HIM TO AND ACCEPTS FULL RESPONSIBILITY FOR DAMAGE.
STANDARD WAITING TIME CHARGES APPLY ON ALL
DELIVERIES. SIGNING BELOW AUTHORIZES ATLAS ROLL-OFF
CORP. TO CHARGE MY PERSONAL/COMPANY CREDIT CARD
FOR PURCHASES MADE FOR SERVICES RENDERED

WARNING

ALL FOUR STEEL WHEELS OF CONTAINERS	☐ PICK UP CHECK
-------------------------------------	--

☐ DOT PERMIT ☐ RENEWAL ☐ PERMIT CONTRACTOR'S

OVER TONNAGE CHARGES \$ _____ PER TON

MAXIMUM TONNAGE ALLOWED _____ TONS

TONS

NET

TARE

GROSS

STONE

DUMPSTER SERVICE

SWITCH ☐

TOTAL DUE		C.O.D. \$
OVER TONNAGE	TOTAL	
DEPOSIT FEE	TAX	
	SUBTOTAL	
	CONVENIENCE FEE	

C.O.D.

\$

895 ESSEX STREET • BROOKLYN, NY 11208

718-345-6451

FAX: 718-345-0086

DATE

PO #

REL #

226459

ATLAS
ROLL-OFF CORP.
Atlasrolloff.com

DELIVER TO:
JOB SITE

CROSS ST.
VENDOR #
REL #

QUANTITY	ITEM	TYPE	AMOUNT
----------	------	------	--------

	DUMPSTER SERVICE	☐ SWITCH	
	STONE		
	GROSS		
	TARE		
	NET		
	TONS		
	MAXIMUM TONNAGE ALLOWED		
	OVER TONNAGE CHARGES \$		
	PER TON		
	CONTRACTOR'S		
	☐ DOT PERMIT ☐ RENEWAL ☐ PERMIT		
	WOOD PLANKING HAS BEEN PLACED UNDER		
	ALL FOUR STEEL WHEELS OF CONTAINERS	☐ PICK UP CHECK	

TRKS	DRIVER	LEFT SITE
------	--------	-----------

DRIVERS ARE NOT ALLOWED TO DRIVE OVER SIDEWALKS OR OTHER OBSTRUCTIONS UNLESS CUSTOMER ORDERS HIM TO AND ACCEPTS FULL RESPONSIBILITY FOR DAMAGE. STANDARD WAITING TIME CHARGES APPLY ON ALL DELIVERIES. SIGNING BELOW AUTHORIZES ATLAS ROLL-OFF CORP. TO CHARGE MY PERSONAL/COMPANY CREDIT CARD FOR PURCHASES MADE FOR SERVICES RENDERED

\$
C.O.D.

CONVENIENCE FEE	
SUBTOTAL	
TAX	
TOTAL	

OVER TONNAGE
DEPOSIT FEE

TOTAL DUE

TITLE

SITE COPY

I have received and acknowledge conditions stated above.

SIGNATURE X

ATLAS

718-345-6451



DATE _____

226454

REL #

PO #

VENDOR #

CROSS ST.

YARDS	QUANTITY	ITEM	TYPE	AMOUNT
		DUMPSTER SERVICE	☐ SWITCH	
		STONE #15		
		GROSS		
		TARE		
		NET		
		TONS		
		MAXIMUM TONNAGE ALLOWED _____ TONS		
		OVER TONNAGE CHARGES \$ _____ PER TON		
		☐ DOT PERMIT ☐ RENEWAL ☐ CONTRACTOR'S PERMIT	☐ ON PROPERTY	
		WOOD PLANKING HAS BEEN PLACED UNDER		
		ALL FOUR STEEL WHEELS OF CONTAINERS	☐ PICK UP CHECK	
TRK#	DRIVER			
ARRIVED SITE	LEFT SITE			
WARNING DRIVERS ARE NOT ALLOWED TO DRIVE OVER SIDEWALKS OR OTHER OBSTRUCTIONS UNLESS CUSTOMER ORDERS HIM TO AND ACCEPTS FULL RESPONSIBILITY FOR DAMAGE. STANDARD WAITING TIME CHARGES APPLY ON ALL DELIVERIES. SIGNING BELOW AUTHORIZES ATLAS ROLL-OFF CORP. TO CHARGE MY PERSONAL/COMPANY CREDIT CARD FOR PURCHASES MADE FOR SERVICES RENDERED				
SIGNATURE X I have received and acknowledge conditions stated above.		☐ C.O.D. \$		CONVENIENCE FEE
				SUBTOTAL
				TAX
				TOTAL
		OVER TONNAGE DEPOSIT FEE		
TOTAL DUE				

SITE COPY

.Y.C. BIC #711
TS#104
DEC#2-6105-00095/00004

895 ESSEX STREET • BROOKLYN, NY 11208

718-345-6451

FAX: 718-345-0086

ATLAS
ROLL-OFF CORP.
Atlasrolloff.com

DELIVER TO:
JOB SITE

PO #

DATE

REL #

226494

VENDOR #

CROSS ST.

YARDS QUANTITY

ITEM

TYPE

AMOUNT

DUMPSTER SERVICE

☐ SWITCH

STONE

GROSS

TARE

NET

TONS

MAXIMUM TONNAGE ALLOWED _____ TONS

OVER TONNAGE CHARGES\$ _____ PER TON

☐ DOT PERMIT ☐ RENEWAL ☐ PERMIT ☐ CONTRACTOR'S

☐ ON PROPERTY

WOOD PLANKING HAS BEEN PLACED UNDER

ALL FOUR STEEL WHEELS OF CONTAINERS

☐ PICK UP CHECK

TRK#

DRIVER

ARRIVED SITE

LEFT SITE

WARNING

DRIVERS ARE NOT ALLOWED TO DRIVE OVER SIDEWALKS OR OTHER OBSTRUCTIONS UNLESS CUSTOMER ORDERS HIM TO AND ACCEPTS FULL RESPONSIBILITY FOR DAMAGE. STANDARD WAITING TIME CHARGES APPLY ON ALL DELIVERIES. SIGNING BELOW AUTHORIZES ATLAS ROLL-OFF CORP. TO CHARGE MY PERSONAL/COMPANY CREDIT CARD FOR PURCHASES MADE FOR SERVICES RENDERED

C.O.D.

\$

CONVENIENCE FEE
SUBTOTAL
TAX
TOTAL

OVER TONNAGE DEPOSIT FEE

TOTAL DUE

SIGNATURE

X

I have received and acknowledge conditions stated above.

TITLE

SEE COPY



226486

CROSS ST.

YARDS	QUANTITY	ITEM	TYPE	AMOUNT
		DUMPSTER SERVICE	☐ SWITCH	
		STONE		
		GROSS		
		TARE		
		NET		
		TONS		
		MAXIMUM TONNAGE ALLOWED _____ TONS		
		OVER TONNAGE CHARGES \$_____ PER TON		
		☐ DOT PERMIT ☐ RENEWAL ☐ CONTRACTOR'S PERMIT	☐ ON PROPERTY	
		WOOD PLANKING HAS BEEN PLACED UNDER		
		ALL FOUR STEEL WHEELS OF CONTAINERS	☐ PICK UP CHECK	
TRK#	DRIVER	WARNING		
ARRIVED SITE	LEFT SITE	DRIVERS ARE NOT ALLOWED TO DRIVE OVER SIDEWALKS OR OTHER OBSTRUCTIONS UNLESS CUSTOMER ORDERS HIM TO AND ACCEPTS FULL RESPONSIBILITY FOR DAMAGE. STANDARD WAITING TIME CHARGES APPLY ON ALL DELIVERIES. SIGNING BELOW AUTHORIZES ATLAS ROLL-OFF CORP. TO CHARGE MY PERSONAL/COMPANY CREDIT CARD FOR PURCHASES MADE FOR SERVICES RENDERED		
		☐	CONVENIENCE FEE	
		\$ C.O.D.	SUBTOTAL	
			TAX	
			TOTAL	
		OVER TONNAGE DEPOSIT FEE		
SIGNATURE X		TOTAL DUE		

N.Y.C. BIC #711
TS#104
DEC#2-6105-00095/00004

ATLAS

895 ESSEX STREET • BROOKLYN, NY 11208

718-345-6451

FAX: 718-345-0086



DELIVER TO:
JOB SITE

DATE

226461

PO #

REL #

VENDOR #

CROSS ST.

YARDS	QUANTITY	ITEM	TYPE	AMOUNT
		DUMPSTER SERVICE	☐ SWITCH	
		STONE		
		GROSS		
		TARE		
		NET		
		TONS		
		MAXIMUM TONNAGE ALLOWED _____ TONS		
		OVER TONNAGE CHARGES \$ _____ PER TON		
		☐ DOT PERMIT ☐ RENEWAL ☐ CONTRACTOR'S PERMIT	☐ ON PROPERTY	
		WOOD PLANKING HAS BEEN PLACED UNDER	☐ PICK UP CHECK	
		ALL FOUR STEEL WHEELS OF CONTAINERS		

TRK#
ARRIVED SITE

DRIVER
LEFT SITE

WARNING

DRIVERS ARE NOT ALLOWED TO DRIVE OVER SIDEWALKS OR OTHER OBSTRUCTIONS UNLESS CUSTOMER ORDERS HIM TO AND ACCEPTS FULL RESPONSIBILITY FOR DAMAGE. STANDARD WAITING TIME CHARGES APPLY ON ALL DELIVERIES. SIGNING BELOW AUTHORIZES ATLAS ROLL-OFF CORP. TO CHARGE MY PERSONAL/COMPANY CREDIT CARD FOR PURCHASES MADE FOR SERVICES RENDERED



C.O.D.

\$

CONVENIENCE
FEE

SUBTOTAL

TAX

TOTAL

OVER TONNAGE
DEPOSIT FEE

TOTAL DUE

SIGNATURE

X

TITLE

I have received and acknowledge conditions stated above.

SITE COPY

N.Y.C. BIC #711
TS#104
DEC#2-6105-00095/00004

ATLAS

895 ESSEX STREET • BROOKLYN, NY 11208

718-345-6451

FAX: 718-345-0086



DELIVER TO:
JOB SITE

200 1-AVE
NY NY

PO #

DATE

6-8-19

226368

REL #

VENDOR #

CROSS ST.

YARDS	QUANTITY	ITEM	TYPE	AMOUNT
		DUMPSTER SERVICE	☐ SWITCH	
		STONE 3/4		
		GROSS		
		TARE		
		NET		
		TONS		2460
		MAXIMUM TONNAGE ALLOWED _____ TONS		
		OVER TONNAGE CHARGES \$ _____ PER TON		
		☐ DOT PERMIT ☐ RENEWAL ☐ CONTRACTOR'S PERMIT	☐ ON PROPERTY	
		WOOD PLANKING HAS BEEN PLACED UNDER	☐ PICK UP CHECK	
		ALL FOUR STEEL WHEELS OF CONTAINERS		

TRK#
ARRIVED SITE

DRIVER
LEFT SITE

WARNING

DRIVERS ARE NOT ALLOWED TO DRIVE OVER SIDEWALKS OR OTHER OBSTRUCTIONS UNLESS CUSTOMER ORDERS HIM TO AND ACCEPTS FULL RESPONSIBILITY FOR DAMAGE. STANDARD WAITING TIME CHARGES APPLY ON ALL DELIVERIES. SIGNING BELOW AUTHORIZES ATLAS ROLL-OFF CORP. TO CHARGE MY PERSONAL/COMPANY CREDIT CARD FOR PURCHASES MADE FOR SERVICES RENDERED

☐ C.O.D.

\$

CONVENIENCE
FEE

SUBTOTAL

TAX

TOTAL

OVER TONNAGE
DEPOSIT FEE

TOTAL DUE

SIGNATURE

X

TITLE

I have received and acknowledge conditions stated above.

SITE COPY

TOTAL DUE

TOTAL DUE

Phil Napoli
Atlas Roll Off Corp
895 Essex St
Brooklyn, NY 11208

718-345-6451
718-345-0086
atlasroll@aol.com

06/22/2020

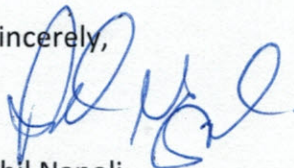
Melissa Torres
Solow Realty and Development Co, LLC
9 W 57 St
NY, NY 10019

Topsoil Deliveries

To Whom,

Starting on December 4th 2019 through December 12th 2019, Atlas Roll Off Corp provided 57 loads of topsoil to 700 1 Ave Location in NYC. This material was picked up at the T S Hauler facility located at 3968 Middle Country Rd, Calverton, NY 11933

Sincerely,



Phil Napoli

Dispatcher
Atlas Roll Off Corp

Phil Napoli
Atlas Roll Off Corp
895 Essex St
Brooklyn, NY 11208

718-345-6451
718-345-0086
atlasroll@aol.com

07/09/2020

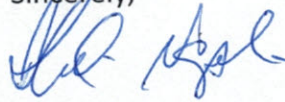
Melissa Torres
Solow Realty and Development Co, LLC
9 W 57 St
NY, NY 10019

Topsoil Deliveries

To Whom,

Starting on March 12th 2020 through March 18th 2020, Atlas Roll Off Corp provided 57 loads of topsoil to 700 1 Ave Location in NYC. This material was picked up at the T S Hauler facility located at 3968 Middle Country Rd, Calverton, NY 11933

Sincerely,



Phil Napoli

Dispatcher
Atlas Roll Off Corp

APPENDIX C

NYSOH FOIL REQUEST AND RESPONSE

Greg Wyka

From: noreply@its.ny.gov
Sent: Wednesday, May 13, 2020 1:38 PM
To: Joseph Yanowitz
Subject: FOIL Request Confirmation from Open FOIL NY

Thank you for submitting your FOIL request through Open FOIL NY.

Here is your Open FOIL NY confirmation information for future reference:

[YANOWITZ_DOH_20200513133756010](#)

INFORMATION SUBMITTED:

Records Requested From	Department of Health
Short Title	well permits or water withdrawal permits
Description	Pursuant to the Federal Freedom of Information Act (5 U.S.C 552 et seq.) dealing with the examination and duplication of documents maintained by public agencies, Langan is requesting any information or copies of files regarding well permits or water withdrawal permits for the above properties that your department may have. The Subject Property is located at 700-708 First Avenue, New York, NY (Block 970, Lots 1 and 2). The Subject Property is bound by East 41st Street to the north, the Franklin D. Roosevelt Drive (FDR) and Marginal Street to the east, East 38th Street to the south, and First Avenue to the west.
Uploaded Files	
FOIL Response Format	Email
If fees apply, please contact me if costs will be greater than	\$

Your FOIL request has been forwarded to the organization(s) you selected, and the respective Records Access Officer will contact you directly for further processing of your request. Please allow up to five business days for such communication(s). For your convenience, here is additional contact information:

In light of New York State's reduction in workforce as part of the ongoing response to the COVID-19 pandemic, there may be delays in response to FOIL requests. Thank you for your patience during this extraordinary time.

For your convenience, here is additional contact information:

Department of Health
Corning Tower
Room 2364
Albany, NY 12237-0044



Department of Health

ANDREW M. CUOMO
Governor

HOWARD A. ZUCKER, M.D., J.D.
Commissioner

SALLY DRESLIN, M.S., R.N.
Executive Deputy Commissioner

June 11, 2020

Joseph Yanowitz
Langan
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, NY 10001

FOIL #: 20-05-154

Dear Mr. Yanowitz:

This letter responds to your Freedom of Information Law (FOIL) request of May 13, 2020, in which you requested "copies of files regarding well permits or water withdrawal permits" pertaining to "700-708 First Avenue, New York, NY."

Please be advised that after conducting a diligent search, no records responsive to your request have been located.

The address is served by the New York City public water system, (NY7003493). Any violation reports for the public water system can be found at the following website:

http://www.health.ny.gov/environmental/water/drinking/violations/previous_compliance_reports.htm

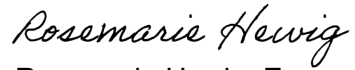
Records of the type you have requested may be maintained by the New York City Department of Health and Mental Hygiene. The contact information for that office is as follows:

Records Access Officer
New York City Department of Health and Mental Hygiene
Gotham Center
42-09 28th Street, 14th Floor CN31
Long Island City, NY 11101
Fax: (347) 396-6087
recordsaccess@health.nyc.gov

Should you feel that you have been unlawfully denied access to records, you may appeal such denial in writing within 30 days to the Records Access Appeals Officer, Division of Legal Affairs, Empire State Plaza, 2438 Corning Tower, Albany, New York 12237-0026.

If you require additional information or wish to discuss this matter further, please do not hesitate to contact me at (518) 474-8734.

Sincerely,

A handwritten signature in cursive script that reads "Rosemarie Hewig".

Rosemarie Hewig, Esq.
Records Access Officer

RH/vb

APPENDIX D

IC/EC CERTIFICATION FORM



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site No. C231013

Site Details

Box 1

Site Name The Greater Waterside Site

Site Address: 700-708 First Avenue Zip Code: 10016
City/Town: New York
County: New York
Site Acreage: 6.340

Reporting Period: June 04, 2019 to July 17, 2020

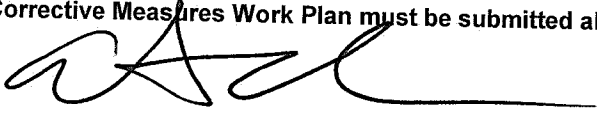
- | | YES | NO |
|---|-------------------------------------|-------------------------------------|
| 1. Is the information above correct? | ☒ | ☐ |
| If NO, include handwritten above or on a separate sheet. | | |
| 2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period? | ☐ | ☒ |
| 3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? | ☐ | ☒ |
| 4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? | ☐ | ☒ |
| If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form. | | |
| 5. Is the site currently undergoing development? | ☐ | ☒ |

Box 2

- | | YES | NO |
|---|-------------------------------------|--------------------------|
| 6. Is the current site use consistent with the use(s) listed below?
Restricted-Residential, Commercial, and Industrial | ☒ | ☐ |
| 7. Are all ICs/ECs in place and functioning as designed? | ☒ | ☐ |

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.


Signature of Owner, Remedial Party or Designated Representative

6/29/2020
Date

Box 2A

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?

YES NO

☐ ☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid?
(The Qualitative Exposure Assessment must be certified every five years)

☒ ☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C231013

Box 3

Description of Institutional Controls

Parcel

Owner

Institutional Control

970-1

700 First Realty Company, LLC

Ground Water Use Restriction
Site Management Plan
IC/EC Plan

Landuse Restriction

1. The Property may only be used for restricted residential and commercial use below the Development Depth provided that the long term Engineering and Institutional Controls included in the Site Management Plan (SMP) are employed. No environmental easements, engineering controls, institutional controls, or any other consents, approvals, or authorizations are required for any activities above the Development Depth.

2. A higher level of use, such as residential use, will not be allowed for activities below the Development Depth without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC.

3. All future activities on the Property that will disturb remaining contaminated material must be conducted in accordance with the SMP; and,

4. The use of the groundwater underlying the Property is prohibited without treatment rendering it safe for intended use.

970-2

708 First Realty Company, LLC

IC/EC Plan
Ground Water Use Restriction

Landuse Restriction
Site Management Plan

1. The Property may only be used for restricted residential and commercial use below the Development Depth provided that the long term Engineering and Institutional Controls included in the Site Management Plan (SMP) are employed. No environmental easements, engineering controls, institutional controls, or any other consents, approvals, or authorizations are required for any activities above the Development Depth.

2. A higher level of use, such as residential use, will not be allowed for activities below the Development Depth without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC.

3. All future activities on the Property that will disturb remaining contaminated material must be conducted in accordance with the SMP; and,

4. The use of the groundwater underlying the Property is prohibited without treatment rendering it safe for intended use.

Description of Engineering ControlsParcelEngineering Control**970-1****Cover System**

There is greater than two feet of cover over the entire site. After site redevelopment the cover system will consist of the building structures, clean fill soil, landscaping and concrete and asphalt paving.

970-2**Cover System**

There is greater than two feet of cover over the entire site. After redevelopment the cover system will consist of the building structures, clean fill soil, landscaping and concrete and asphalt paving.

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

X ☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

(a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

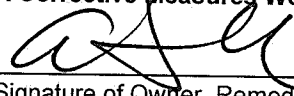
(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

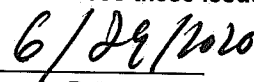
YES NO

X ☐

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.


Signature of Owner, Remedial Party or Designated Representative


Date

IC CERTIFICATIONS
SITE NO. C231013

Box 6

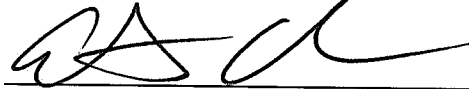
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Anthony Calicchio at 9 West 57th Street, 45th Floor, New York, NY 10019
print name print business address

am certifying as _____ Owner _____ (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.



Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

6/29/2018
Date

IC/EC CERTIFICATIONS

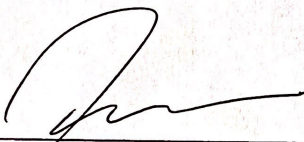
Box 7

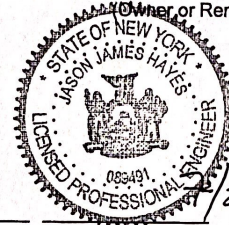
Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Jason J. Hayes, P.E. at 360 West 31st Street, 8th Floor, New York, NY 10001
print name print business address

am certifying as a Qualified Environmental Professional for the Owner
(Owner or Remedial Party)


Signature of Qualified Environmental Professional, for
the Owner or Remedial Party, Rendering Certification



Stamp
(Required for PE)

Date

2/20/2020