December 10, 2021

55 Walkers Brook Drive, Suite 100, Reading, MA 01867
Tel: 978.532.1900

Massachusetts Department of Environmental Protection (DEP)
Bureau of Waste Site Cleanup, Special Projects
436 Dwight Street
Springfield, Massachusetts 01103
Attention: GE Housatonic Removal Action Project Manager

U.S Environmental Protection Agency (EPA)
Office of Site Remediation and Restoration
Five Post Office Square
Suite J100 – Mail Code OSRR-07
Boston, Massachusetts 02109-3912
Attn: GE-Pittsfield/Housatonic River Site

Re: **Soil Sampling and Analysis Post-Work Notification**
East Street/Route 9 Reconstruction Project
GE – Pittsfield/Housatonic River Superfund Site – Silver Lake Property
Pittsfield, Massachusetts

To whom it may concern:

Weston & Sampson Engineers, Inc. (Weston & Sampson), on behalf of the Massachusetts Department of Transportation (MassDOT), has prepared this letter to provide a post-work notification according to Section 4, Paragraph C(iii) of the October 2013 Amended Grant of Environmental Restriction and Easement (ERE) for the above-referenced property (the Site.). Specifically, the notice provides the details of the recent soil sampling and analysis conducted at the Site to support MassDOT's design of the East Street Reconstruction Project (the Project). The post-work ERE form is included as Attachment A.

1.0 PROJECT DESCRIPTION

The Project will involve reconstructing the existing East Street right-of-way (ROW), from the intersection with Lyman Street to Merrill Road. The Project's proposed scope of work will include full depth roadway reconstruction, installing new or replacement utilities, and constructing various infrastructure and pedestrian improvements. Most of the work will occur within the existing ROW that bisects a portion of the General Electric/Housatonic River Superfund Site (GE Site); however, some utility, grading and sidewalk construction on the former GE 20's and 30's Complex properties as well as Silver Lake property is also proposed. The properties are currently owned by the Pittsfield Economic Development Authority (PEDA) and subject to EREs with the Massachusetts Department of Environmental Protection (DEP) and U.S. Environmental Protection Agency (EPA).

Presently, the Project-related work at the Site includes some grading and installing new drainage features. Based on the current design, the work will occur within an approximately 18,000 square foot area located north of the existing ROW layout. The approximate area is shown in Figure 1

2.0 SAMPLING & ANALYSIS

On November 11, 2021, Weston & Sampson completed soil sampling to evaluate potentially contaminated materials to be encountered during the Project. The sampling was conducted according to Section 4, Paragraph C ((Surface and/or Subsurface Excavation of Ten (10) Cubic Yards or Less at Any Depth) of the ERE and the Pre-Work Notification Letter sent to EPA and DEP on November 1, 2021. In total, the sampling included advancing 2 soil boring to depths up to 16 feet below ground surface (ft bgs) using a track-mounted direct-push drill rig after pre-clearing the top 5 feet for potential utilities by vacuum excavation. Soil samples were collected continuously from each location by hand auger or 2-inch diameter macro-core sampler and 5-foot disposable acetate sleeves. The sample locations are shown in Figure 1.

2.1 Sampling & Analysis

Weston & Sampson collected soil samples from each boring location for laboratory analysis. The samples were collected from the interval identified in Table 1 and submitted polychlorinated biphenyl (PCB) analysis using EPA Method 8082 with Soxhlet Extraction. Additionally, a composite sample from 0 to 6 ft bgs was analyzed for the following:

- Volatile Organic Compounds by EPA Method 8260
- Semi-volatile Organic Compounds by EPA Method 8270
- Total Petroleum Hydrocarbons (TPH) by EPA Method 8100M
- MCP-14 Metals by EPA Method 6010 and 7410
- Herbicides and Pesticides by EPA Method 8151 and 8081,
- Hazardous Characteristics (pH, reactivity, flashpoint) and specific conductance by various methods, and
- Polychlorinated Dibenzo-Dioxins/Polychlorinated Dibenzo-Furans (PCDD/PCDF) by EPA Method 8290.

The PCB sampling results are summarized in Table 1. Results for the remaining parameters are included in Table 2. Laboratory data reports for the results received to date are included in Attachment B.

2.2 Boring Restoration

Each boring location was restored to existing conditions immediately following sample collection. Restoration included backfilling each boring to existing grade using the excess soil not submitted for laboratory analysis and clean sand. Backfilled soils were returned to depths from which they were generated. There was no surplus material requiring off-site disposal generated from drilling activities.

Please contact me at 978-532-1900 or bridgeot@wseinc.com if you have any questions.

Sincerely,
WESTON & SAMPSON ENGINEERS, INC.

Todd M. Bridgeo, PE, LSP
Senior Project Manager

Prasanta K. Bhunia, Ph.D., LSP
Vice President

Attachments
Figure 1 – Sampling Locations Plan
Table 1 – PCB Sampling Results
Table 2 – Disposal Characterization Results
Attachment A – Post-Work ERE Form
Attachment B – Laboratory Data Reports

NOTES:
MAXIMUM TOTAL PCB CONCENTRATION DETECTED AT EACH OF THE NOVEMBER 2021 SAMPLING LOCAITONS (WSE-229 TO WSE-236) SHOWN. DEPTHS MEASURED IN FEET BELOW EXISTING GROUND SURFACE. SEE TABLE 1 FOR COMPLETE PCB SAMPLING RESULTS.

RA-4-SB-12
RA-4-SB-13
RA-5-SB-1
RA-5-SB-5
RA-5-SB-3
WSE-227
ND
WSE-226
ND
212S
SW30-15
19-9-34-SB-11
19-9-34-SB-10
19-9-34-SB-1
RA-5-SB-6
RA-5-SB-2
RA-5-SB-4
SILVER LAKE BOULEVARD
EAST STREET
WSE-105
WSE-106
WSE-107
WSE-108
WSE-109

massDOT
Massachusetts Department of Transportation

SILVERLAKE BOULEVARD
PROPOSED SAMPLING LOCATIONS

DECEMBER 2021

Notes:
1. Sample concentrations are the maximum detected within each sampling location.
2. This map shows approximate sample locations.

Disclaimer:
This information is for planning purposes only and should not be considered exact. Field inspection and verification is required. This data was created from schematic maps.

Legend
Sample Concentrations (See Note 1)
- PCB Concentration is <1 PPM
- PCB Concentration is ≥1 PPM and < 50 PPM
- PCB Concentration is ≥ 50 PPM
- Proposed Drainage
- Existing Drainage
- Existing ROW
- Proposed ROW
- Proposed Permanent Easement
- Proposed Temporary Easement
- Limits of Work
- Property Line
- Conditional Solution
- Enhanced Pavement & Other Ground Covering Area
- Building Demolition Barrier
- Water Quality Basin
- Non GE Properties
- Non GE MCP Sites

1

MAP SHEET 1 OF 1

50 0 50 100 150 Feet

Weston & Sampson

TABLE 1
PCB Soil Sampling Results
East Street (Route 9) Reconstruction Project
Pittsfield, Massachusetts

Sample ID	Sample Depth Requirement	Total PCB Concentration
WSE-226	0-1'	ND (0.11)
	1-3'	ND (0.085)
	3-6'	ND (0.11)
	6-7'	ND (0.11)
	7-9'	ND (0.091)
	9-16'	ND (0.10)
WSE-227	0-1'	ND (0.11)
	1-3'	ND (0.086)
	3-6'	ND (0.088)
	6-7'	ND (0.089)
	7-9'	ND (0.089)
	9-16'	ND (0.097)

Notes:

PCBs - Polychlorinated Biphenyls

Results are presented in dry weight milligram per kilogram (mg/kg)

ND -Not detected above the laboratory reporting limit presented in parentheses

BOLD	= Total PCB Concentration > laboratory reporting limit
BOLD	= Total PCB concentration < 1 mg/kg
BOLD	= Total PCB concentration ≥ 1 mg/kg and ≤ 50 mg/kg
BOLD	= Total PCB concentration ≥ 50 mg/kg

Table 2
Soil Sampling Results
East Street (Route 9) Reconstruction Project
Pittsfield, Massachusetts

Sample Location	Reportable Concentrations (RCs)		SILVER LAKE
Sample ID			WSE-226 (0-6)
Sampling Date	RCS-1	RCS-2	11/11/2021 3:10:00 PM
Parameter / Sample Depth			0-6 Feet
Dioxins/Furans (ng/Kg dry)			
2,3,7,8-TCDF	~	~	ND (0.2)
Total TCDF	~	~	ND (0.2)
2,3,7,8-TCDD	~	~	ND (0.091)
Total TCDD	~	~	ND (0.091)
1,2,3,7,8-PeCDF	~	~	ND (0.11)
2,3,4,7,8-PeCDF	~	~	ND (0.063)
Total PeCDF	~	~	ND (0.063)
1,2,3,7,8-PeCDD	~	~	ND (0.065)
Total PeCDD	~	~	ND (0.065)
1,2,3,4,7,8-HxCDF	~	~	ND (0.19)
1,2,3,6,7,8-HxCDF	~	~	ND (0.17)
2,3,4,6,7,8-HxCDF	~	~	ND (0.12)
1,2,3,7,8,9-HxCDF	~	~	ND (0.11)
Total HxCDF	~	~	ND (0.11)
1,2,3,4,7,8-HxCDD	~	~	ND (0.049)
1,2,3,6,7,8-HxCDD	~	~	ND (0.1)
1,2,3,7,8,9-HxCDD	~	~	ND (0.096)
Total HxCDD	~	~	ND (0.049)
1,2,3,4,6,7,8-HpCDF	~	~	**0.28**
1,2,3,4,7,8,9-HpCDF	~	~	ND (0.13)
Total HpCDF	~	~	ND (0.088)
1,2,3,4,6,7,8-HpCDD	~	~	**0.45**
Total HpCDD	~	~	**0.73**
OCDF	~	~	ND (0.25)
OCDD	~	~	**4.2**
Total 2,3,7,8-TCDD Equivalence	20	50	**0.084**
Metals (mg/Kg dry)			
ANTIMONY	20	30	ND (1.7)
ARSENIC	20	20	**5**
BARIUM	1000	3000	**24**
BERYLLIUM	90	200	**0.23**
CADMIUM	70	100	ND (0.35)
CHROMIUM	100	200	**6.7**
LEAD	200	600	**5.5**
MERCURY	20	30	ND (0.027)
NICKEL	600	1000	**14**
SELENIUM	400	700	ND (3.5)
SILVER	100	200	ND (0.35)
THALLIUM	8	60	ND (1.7)
VANADIUM	400	700	**9.1**
ZINC	1000	3000	**34**
Pesticides (mg/Kg dry)			
ALDRIN	0.08	0.5	ND (0.0053)
ALPHA-BHC	50	500	ND (0.0053)
BETA-BHC	10	100	ND (0.0053)
DELTA-BHC	10	100	ND (0.0053)
GAMMA-BHC (LINDANE)	0.003	0.5	ND (0.0021)
CHLORDANE	5	30	ND (0.021)
4,4'-DDD	8	40	ND (0.0043)
4,4'-DDE	6	30	ND (0.0043)
4,4'-DDT	6	30	ND (0.0043)
DIELDRIN	0.08	0.5	ND (0.0043)
ENDOSULFAN I	0.5	1	ND (0.0053)
ENDOSULFAN II	0.5	1	ND (0.0085)

Table 2
Soil Sampling Results
East Street (Route 9) Reconstruction Project
Pittsfield, Massachusetts

Parameter / Sample Location / Sample ID / Sampling Date / Sample Depth	Reportable Concentrations (RCs)		SILVER LAKE
	RCS-1	RCS-2	WSE-226 (0-6) 11/11/2021 3:10:00 PM 0-6 Feet
Pesticides (mg/Kg dry) Continued			
ENDOSULFAN SULFATE	~	~	ND (0.0085)
ENDRIN	10	20	ND (0.0085)
ENDRIN KETONE	~	~	ND (0.0085)
HEPTACHLOR	0.3	2	ND (0.0053)
HEPTACHLOR EPOXIDE	0.1	0.9	ND (0.0053)
HEXACHLOROBENZENE	0.7	0.8	ND (0.0064)
METHOXYCHLOR	200	400	ND (0.053)
TOXAPHENE	10	100	ND (0.11)
Total Petroleum Hydrocarbons (mg/Kg dry)			
TPH	1000	3000	**16**
Herbicides (µg/kg dry)			
2,4-D	100000	1000000	ND (110)
2,4-DB	100000	1000000	ND (110)
2,4,5-TP (SILVEX)	100000	1000000	ND (11)
2,4,5-T	100000	1000000	ND (11)
DALAPON	~	~	ND (270)
DICAMBA	500000	5000000	ND (11)
DICHLOROPROP	~	~	ND (110)
MCPA	100000	1000000	ND (11000)
MCPP	~	~	ND (11000)
Volatile Organic Compounds (mg/Kg dry)			
Total VOCs			ND (0.00076)
Semi-volatile Organic Compounds (mg/Kg dry)			
Total SVOCs			ND (0.18)
Hazardous Characteristics			
REACTIVE CYANIDE (mg/Kg)	~	~	ND (3.9)
REACTIVE SULFIDE (mg/Kg)	~	~	ND (20)
PH (pH Units)	~	~	**8.5**
SPECIFIC CONDUCTANCE (µmhos/cm)	~	~	**9.3**
IGNITABILITY (present/absent)	~	~	Absent
Percent Solids (% Wt)			
% Solids	~	~	**93.7**

NOTES:
1. VOC and SVOC constituents detected in at least one sample are summarized. For the complete list of constituents refer to laboratory reports.
2. ND = Not detected above the lab reporting limits shown in parenthesis.
3. Bolded values detected above the lab reporting limits.
4. ~ = No MCP Reportable Concentrations (RCs).
5. Shaded values exceed the MCP Reportable Concentrations (RCs).

ATTACHMENT A

Post-Work ERE Form

EXHIBIT E

POST-WORK NOTIFICATION FORM FOR PROPERTY WITH ENVIRONMENTAL RESTRICTION AND EASEMENT

I. General Information

Type of work: (*check all that apply*)

__ Surface *(top foot)* excavation of greater than five (5) cubic feet and less than or equal to ten (10) cubic yards (per Amended Grant Paragraph 4.A)

__ Surface *(top foot)* excavation of any volume (per Amended Grant Paragraph 4.B)

X Excavation of ten (10) cubic yards or less that is in whole or in part deeper than top foot (per Amended Grant Paragraph 4.C)

__ Surface and/or subsurface excavation for Utility Maintenance Work (per Amended Grant Paragraph 4.D)

__ Excavation for construction of new utilities (per Amended Grant Paragraph 4.E)

__ Excavation for construction of placement of Buildings (per Amended Grant Paragraph 4.F)

__ Emergency excavation (per Amended Grant Paragraph 8)

Property Address: SILVER LAKE BLVD - Silver Lake property

Tax Parcel ID: l090009035

II. Description of Excavation Activities

Start date of excavation/soil disturbance: 11/10/2021

End date of excavation/soil disturbance: 11/11/2021

Amount of soil excavated or moved: < 0.5 cubic yards drilled | 0 cubic yards removed

Any soil or other excavated material moved out of the Open Soil/Vegetated Area? ___ Yes X No

Excavation dimensions *(approximate length x width x depth, in feet)*: avg boring = 4-inch diameter by 16 feet deep

Description of project, unless previously submitted (*attach extra sheets, if necessary; identify date if previously submitted*):

Soil sampling to evaluate contaminated materials for proposed road project (see attached)

Final disposition of soil *(attach grading or other plans showing disposition of soil on the Property, or bills of lading and certificates of disposal, if applicable)*:

No disposal required.

Attach a plan *(e.g., a copy of the Plan of Restricted Areas)*, unless previously submitted (if previously submitted, identify date submitted, or if boundaries of the Building Demolition Barrier Area have changed, a revised Plan of Restricted Areas, showing: (if previously submitted, identify date submitted_____).

(1) location of excavation(s) within the property

(2) direction
(3) major site features (*e.g., roads, buildings, edges of pavement/barriers, locations of utilities if known*)
(4) location of disposition of soil/materials if on the Property

Attach photographs of work area prior to work, during work and post-restoration work, if available (*optional*).

Was soil sampling and analysis conducted? X Yes __ No

If Yes, attach analytical results and show sampling locations (*and indicate depths*) on an attached plan unless previously submitted (if previously submitted, identify date submitted: _____)

Were the Health and Safety Protocol and/or the Soil Management Protocol (*as defined in the Amended Grant*), if applicable, followed? (*check each that applies*[1])
X Health and Safety Protocol was followed
__ Soil Management Protocol was followed
__ Not Applicable

III. Additional Information for Emergency Excavation

If work was conducted as an Emergency Excavation (*see Paragraph 8 ("Emergency Excavation") of the Amended Grant*):

(1) Attach an opinion and completion report prepared by an LSP (or other appropriately trained professional as authorized by the Amended Grant) (*including copy of written plan for restoration*).

(2) Date and time property owner first obtained knowledge of the emergency:_____

(3) Date and time property owner provided oral notification of the emergency to DEP:_____

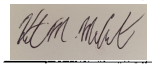
IV. Signature

Two signatures are required (except for excavation pursuant to Permitted Use 4.A of the Amended Grant, where only the owner or person conducting the work of other than the owner must sign). The property owner, or person conducting the work if other than the property owner, and the Licensed Site Professional who has overseen the work, must each complete and sign the statement, below.

Sign here

Owner or person conducting the work if other than the property owner:

I, Katherin M. McArthur, to the best of my knowledge and belief, state that the material information contained in this submittal is true, accurate and complete.

Signature: 

Name/Title: Katherin M. McArthur, Environmental Analyst

Organization: Massachusetts Department of Transportation

Address: 10 Park Plaza, Boston, MA 02116

Telephone #: (857) 368-8806

Relationship to site: State agency overseeing public roadway improvement design and construction

Licensed Site Professional:

[1] See note 3 in Section V ("Notes About the Use of this Form"), below.

I, Todd Bridgeo, to the best of my knowledge and belief, state that the material information contained in this submittal is true, accurate and complete.

Signature: _____

Name/Title: Todd Bridgeo

Organization: Weston & Sampson Engineers, Inc.

Address: 55 Walkers Brook Drive, Reading, Masssachusetts

Telephone #: 978-532-1900

Relationship to site: Consultant for MassDOT

V. Notes About the Use of this Form

(1) This form is due no later than thirty (30) days after completion of the permitted activities and uses under Paragraph 4 ("Permitted Activities and Uses") of the Amended Grant. Immediate notification is required for Emergency Excavation pursuant to Paragraph 8 ("Emergency Excavation") of the Amended Grant. This form is required for the post-emergency excavation notice required by Paragraph 8 of the Amended Grant.

(2) Separate, 15 days' advance written notice is required for work conducted under Paragraph 4.D ("Surface and/or Subsurface Excavation for Utility Maintenance Work") of the Amended Grant. Separate advance notification requirements also apply to work conducted under Paragraph 4.E ("Excavation for Construction of New Utilities") and Paragraph 4.F ("Construction or Placement of Buildings") of the Amended Grant.

(3) The Health and Safety Protocol and the Soil Management Protocol do not apply to the Permitted Activities and Uses set forth in Paragraph 4.A ("Surface Excavation of Ten (10) Cubic Yards or Less") of the Amended Grant. These protocols also do not apply to the Permitted Activities and Uses set forth in Paragraph 4.B ("Surface Excavation of any Volume") of the Amended Grant, except for off-site disposal, to which Paragraphs 8 and 9 of the Soil Management Protocol apply.

VI. Where to Submit this Form

Submit this completed form, via certified mail, to:

MA Department of Environmental Protection
Bureau of Waste Site Cleanup, Special Projects
436 Dwight Street
Springfield, Massachusetts 01103
(Attn.: GE Housatonic Removal Action Project Manager)

Submit a copy of this form, via certified mail, to:

U.S. Environmental Protection Agency
Office of Site Remediation and Restoration
Five Post Office Square
Suite 100 -- Mail Code OSRR-07
Boston, MA 02109-3912
Attn: GE-Pittsfield/Housatonic River Site

ATTACHMENT B

Laboratory Data Reports

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

December 2, 2021

Todd Bridgeo
Weston & Sampson Engineers MA
55 Walkers Brook Drive
Reading, MA 01867

Project Location: Pittsfield, MA
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 21K0653

Enclosed are results of analyses for samples as received by the laboratory on November 10, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kerry K. McGee
Project Manager

Table of Contents

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A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson Engineers MA
55 Walkers Brook Drive
Reading, MA 01867
ATTN: Todd Bridgeo

REPORT DATE: 12/2/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21K0653

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Pittsfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WSEC-1	21K0653-01	Product/Solid		-	
				SW-846 8082A	
WSE-201(3-5)	21K0653-02	Soil		SM 2540G	
				SW-846 8082A	
WSE-201(5-7)	21K0653-03	Soil		SM 2540G	
				SW-846 8082A	
WSE-202(3-5)	21K0653-04	Soil		SM 2540G	
				SW-846 8082A	
WSE-203(3-5)	21K0653-05	Soil		SM 2540G	
				SW-846 8082A	
WSEC-2	21K0653-06	Product/Solid		-	
				SW-846 8082A	
WSE-207(3-5)	21K0653-07	Soil		SM 2540G	
				SW-846 8082A	
WSE-209(3-5)	21K0653-08	Soil		SM 2540G	
				SW-846 8082A	
WSEC-3	21K0653-09	Product/Solid		-	
				SW-846 8082A	
WSEC-4	21K0653-10	Product/Solid		-	
				SW-846 8082A	
WSE-215(3-5)	21K0653-11	Soil		SM 2540G	
				SW-846 8082A	
WSE-213(3-5)	21K0653-12	Soil		SM 2540G	
				SW-846 8082A	
Dup-1	21K0653-13	Soil		SM 2540G	
				SW-846 8082A	
WSE-212(3-5)	21K0653-14	Soil		SM 2540G	
				SW-846 8082A	
WSE-211(3-5)	21K0653-15	Soil		SM 2540G	
				SW-846 8082A	
WSE-227(0-1)	21K0653-16	Soil		SM 2540G	
				SW-846 8082A	
Dup-2	21K0653-17	Soil		SM 2540G	
				SW-846 8082A	
WSE-227(1-3)	21K0653-18	Soil		SM 2540G	
				SW-846 8082A	
WSE-227(3-6)	21K0653-19	Soil		SM 2540G	
				SW-846 8082A	
WSE-226(0-1)	21K0653-20	Soil		SM 2540G	
				SW-846 8082A	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson Engineers MA
55 Walkers Brook Drive
Reading, MA 01867
ATTN: Todd Bridgeo

REPORT DATE: 12/2/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21K0653

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Pittsfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WSE-226(1-3)	21K0653-21	Soil		SM 2540G	
				SW-846 8082A	
WSE-226(3-6)	21K0653-22	Soil		SM 2540G	
				SW-846 8082A	

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A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

Qualifications:

O-32

A dilution was performed as part of the standard analytical procedure.

Analyte & Samples(s) Qualified:

21K0653-01[WSEC-1], 21K0653-02[WSE-201(3-5)], 21K0653-03[WSE-201(5-7)], 21K0653-04[WSE-202(3-5)], 21K0653-05[WSE-203(3-5)], 21K0653-06[WSEC-2], 21K0653-07[WSE-207(3-5)], 21K0653-11[WSE-215(3-5)], 21K0653-16[WSE-227(0-1)], 21K0653-17[Dup-2], 21K0653-18[WSE-227(1-3)], 21K0653-19[WSE-227(3-6)], 21K0653-20[WSE-226(0-1)], 21K0653-21[WSE-226(1-3)], 21K0653-22[WSE-226(3-6)]

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Aroclor-1260 [2C]
B294520-BS1, B294520-BSD1, B294520-MS1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSEC-1 | Sampled: 11/8/2021 10:00

Sample ID: 21K0653-01

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 12:29	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 12:29	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 12:29	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 12:29	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 12:29	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 12:29	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 12:29	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 12:29	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 12:29	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.1	30-150		11/16/21 12:29
Decachlorobiphenyl [2]	87.9	30-150		11/16/21 12:29
Tetrachloro-m-xylene [1]	88.0	30-150		11/16/21 12:29
Tetrachloro-m-xylene [2]	87.3	30-150		11/16/21 12:29

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-201(3-5) | Sampled: 11/8/2021 11:00

Sample ID: 21K0653-02

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:06	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:06	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:06	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:06	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:06	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:06	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:06	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:06	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:06	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.9	30-150		11/15/21 22:06
Decachlorobiphenyl [2]	73.7	30-150		11/15/21 22:06
Tetrachloro-m-xylene [1]	70.0	30-150		11/15/21 22:06
Tetrachloro-m-xylene [2]	64.7	30-150		11/15/21 22:06

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-201(3-5) | Sampled: 11/8/2021 11:00

Sample ID: 21K0653-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.0		% Wt	1		SM 2540G	11/16/21	11/17/21 12:25	WAT

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-201(5-7) | Sampled: 11/8/2021 11:20

Sample ID: 21K0653-03

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:24	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:24	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:24	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:24	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:24	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:24	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:24	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:24	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:24	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.5	30-150		11/15/21 22:24
Decachlorobiphenyl [2]	78.3	30-150		11/15/21 22:24
Tetrachloro-m-xylene [1]	75.7	30-150		11/15/21 22:24
Tetrachloro-m-xylene [2]	70.0	30-150		11/15/21 22:24

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-201(5-7) | Sampled: 11/8/2021 11:20

Sample ID: 21K0653-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.2		% Wt	1		SM 2540G	11/16/21	11/17/21 12:25	WAT

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-202(3-5) | Sampled: 11/8/2021 12:30

Sample ID: 21K0653-04

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:41	TG
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:41	TG
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:41	TG
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:41	TG
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:41	TG
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:41	TG
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:41	TG
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:41	TG
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 22:41	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.9	30-150		11/15/21 22:41
Decachlorobiphenyl [2]	70.3	30-150		11/15/21 22:41
Tetrachloro-m-xylene [1]	77.4	30-150		11/15/21 22:41
Tetrachloro-m-xylene [2]	72.0	30-150		11/15/21 22:41

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-202(3-5) | Sampled: 11/8/2021 12:30

Sample ID: 21K0653-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.7		% Wt	1		SM 2540G	11/16/21	11/17/21 12:25	WAT

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-203(3-5) | Sampled: 11/8/2021 13:15

Sample ID: 21K0653-05

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:00	TG
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:00	TG
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:00	TG
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:00	TG
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:00	TG
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:00	TG
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:00	TG
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:00	TG
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:00	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.6	30-150		11/15/21 23:00
Decachlorobiphenyl [2]	75.5	30-150		11/15/21 23:00
Tetrachloro-m-xylene [1]	78.2	30-150		11/15/21 23:00
Tetrachloro-m-xylene [2]	72.0	30-150		11/15/21 23:00

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-203(3-5) | Sampled: 11/8/2021 13:15

Sample ID: 21K0653-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.2		% Wt	1		SM 2540G	11/16/21	11/17/21 12:25	WAT

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSEC-2 | Sampled: 11/8/2021 16:00

Sample ID: 21K0653-06

Sample Matrix: Product/Solid

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 12:46	JMB
Aroclor-1221 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 12:46	JMB
Aroclor-1232 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 12:46	JMB
Aroclor-1242 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 12:46	JMB
Aroclor-1248 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 12:46	JMB
Aroclor-1254 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 12:46	JMB
Aroclor-1260 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 12:46	JMB
Aroclor-1262 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 12:46	JMB
Aroclor-1268 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 12:46	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.1	30-150		11/16/21 12:46
Decachlorobiphenyl [2]	90.3	30-150		11/16/21 12:46
Tetrachloro-m-xylene [1]	91.2	30-150		11/16/21 12:46
Tetrachloro-m-xylene [2]	90.3	30-150		11/16/21 12:46

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-207(3-5) | Sampled: 11/9/2021 07:40

Sample ID: 21K0653-07

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:17	TG
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:17	TG
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:17	TG
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:17	TG
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:17	TG
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:17	TG
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:17	TG
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:17	TG
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:17	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.3	30-150		11/15/21 23:17
Decachlorobiphenyl [2]	78.9	30-150		11/15/21 23:17
Tetrachloro-m-xylene [1]	85.1	30-150		11/15/21 23:17
Tetrachloro-m-xylene [2]	78.8	30-150		11/15/21 23:17

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-207(3-5) | Sampled: 11/9/2021 07:40

Sample ID: 21K0653-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.7		% Wt	1		SM 2540G	11/16/21	11/17/21 12:26	WAT

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-209(3-5) | Sampled: 11/9/2021 11:00

Sample ID: 21K0653-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:35	TG
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:35	TG
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:35	TG
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:35	TG
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:35	TG
Aroclor-1254 [2]	0.72	0.086	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:35	TG
Aroclor-1260 [2]	0.20	0.086	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:35	TG
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:35	TG
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:35	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.7	30-150		11/15/21 23:35
Decachlorobiphenyl [2]	69.5	30-150		11/15/21 23:35
Tetrachloro-m-xylene [1]	85.5	30-150		11/15/21 23:35
Tetrachloro-m-xylene [2]	77.7	30-150		11/15/21 23:35

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-209(3-5) | Sampled: 11/9/2021 11:00

Sample ID: 21K0653-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.7		% Wt	1		SM 2540G	11/16/21	11/17/21 12:26	WAT

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSEC-3 | Sampled: 11/9/2021 10:00

Sample ID: 21K0653-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 13:04	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 13:04	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 13:04	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 13:04	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 13:04	JMB
Aroclor-1254 [2]	0.15	0.086	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 13:04	JMB
Aroclor-1260 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 13:04	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 13:04	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 13:04	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.4	30-150		11/16/21 13:04
Decachlorobiphenyl [2]	88.6	30-150		11/16/21 13:04
Tetrachloro-m-xylene [1]	91.0	30-150		11/16/21 13:04
Tetrachloro-m-xylene [2]	90.2	30-150		11/16/21 13:04

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSEC-4 | Sampled: 11/9/2021 12:30

Sample ID: 21K0653-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 13:22	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 13:22	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 13:22	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 13:22	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 13:22	JMB
Aroclor-1254 [1]	0.57	0.094	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 13:22	JMB
Aroclor-1260 [2]	0.29	0.094	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 13:22	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 13:22	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	11/12/21	11/16/21 13:22	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.0	30-150		11/16/21 13:22
Decachlorobiphenyl [2]	87.0	30-150		11/16/21 13:22
Tetrachloro-m-xylene [1]	90.0	30-150		11/16/21 13:22
Tetrachloro-m-xylene [2]	89.2	30-150		11/16/21 13:22

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-215(3-5) | Sampled: 11/10/2021 08:20

Sample ID: 21K0653-11

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:52	TG
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:52	TG
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:52	TG
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:52	TG
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:52	TG
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:52	TG
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:52	TG
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:52	TG
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/11/21	11/15/21 23:52	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	51.3	30-150		11/15/21 23:52
Decachlorobiphenyl [2]	43.4	30-150		11/15/21 23:52
Tetrachloro-m-xylene [1]	51.0	30-150		11/15/21 23:52
Tetrachloro-m-xylene [2]	47.4	30-150		11/15/21 23:52

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-215(3-5) | Sampled: 11/10/2021 08:20

Sample ID: 21K0653-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.7		% Wt	1		SM 2540G	11/16/21	11/17/21 12:26	WAT

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-213(3-5) | Sampled: 11/10/2021 09:15

Sample ID: 21K0653-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 0:10	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 0:10	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 0:10	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 0:10	TG
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 0:10	TG
Aroclor-1254 [2]	0.68	0.096	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 0:10	TG
Aroclor-1260 [1]	0.20	0.096	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 0:10	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 0:10	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 0:10	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.6	30-150		11/16/21 0:10
Decachlorobiphenyl [2]	63.7	30-150		11/16/21 0:10
Tetrachloro-m-xylene [1]	72.4	30-150		11/16/21 0:10
Tetrachloro-m-xylene [2]	67.4	30-150		11/16/21 0:10

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-213(3-5) | Sampled: 11/10/2021 09:15

Sample ID: 21K0653-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.5		% Wt	1		SM 2540G	11/16/21	11/17/21 12:26	WAT

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: Dup-1 | Sampled: 11/10/2021 00:00

Sample ID: 21K0653-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	11/11/21	11/16/21 13:49	TG
Aroclor-1221 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	11/11/21	11/16/21 13:49	TG
Aroclor-1232 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	11/11/21	11/16/21 13:49	TG
Aroclor-1242 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	11/11/21	11/16/21 13:49	TG
Aroclor-1248 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	11/11/21	11/16/21 13:49	TG
Aroclor-1254 [2]	2.0	0.43	mg/Kg dry	20		SW-846 8082A	11/11/21	11/16/21 13:49	TG
Aroclor-1260 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	11/11/21	11/16/21 13:49	TG
Aroclor-1262 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	11/11/21	11/16/21 13:49	TG
Aroclor-1268 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	11/11/21	11/16/21 13:49	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.1	30-150		11/16/21 13:49
Decachlorobiphenyl [2]	79.0	30-150		11/16/21 13:49
Tetrachloro-m-xylene [1]	80.1	30-150		11/16/21 13:49
Tetrachloro-m-xylene [2]	73.2	30-150		11/16/21 13:49

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: Dup-1 | Sampled: 11/10/2021 00:00

Sample ID: 21K0653-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.8		% Wt	1		SM 2540G	11/16/21	11/17/21 12:26	WAT

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-212(3-5) | Sampled: 11/10/2021 09:30

Sample ID: 21K0653-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	11/11/21	11/16/21 14:07	TG
Aroclor-1221 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	11/11/21	11/16/21 14:07	TG
Aroclor-1232 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	11/11/21	11/16/21 14:07	TG
Aroclor-1242 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	11/11/21	11/16/21 14:07	TG
Aroclor-1248 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	11/11/21	11/16/21 14:07	TG
Aroclor-1254 [2]	2.9	0.47	mg/Kg dry	20		SW-846 8082A	11/11/21	11/16/21 14:07	TG
Aroclor-1260 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	11/11/21	11/16/21 14:07	TG
Aroclor-1262 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	11/11/21	11/16/21 14:07	TG
Aroclor-1268 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	11/11/21	11/16/21 14:07	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.4	30-150		11/16/21 14:07
Decachlorobiphenyl [2]	61.7	30-150		11/16/21 14:07
Tetrachloro-m-xylene [1]	65.9	30-150		11/16/21 14:07
Tetrachloro-m-xylene [2]	60.6	30-150		11/16/21 14:07

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-212(3-5) | Sampled: 11/10/2021 09:30

Sample ID: 21K0653-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.0		% Wt	1		SM 2540G	11/16/21	11/17/21 12:26	WAT

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-211(3-5) | Sampled: 11/10/2021 09:50

Sample ID: 21K0653-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:03	TG
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:03	TG
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:03	TG
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:03	TG
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:03	TG
Aroclor-1254 [2]	0.31	0.088	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:03	TG
Aroclor-1260 [1]	0.16	0.088	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:03	TG
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:03	TG
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:03	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.2	30-150		11/16/21 1:03
Decachlorobiphenyl [2]	75.0	30-150		11/16/21 1:03
Tetrachloro-m-xylene [1]	79.5	30-150		11/16/21 1:03
Tetrachloro-m-xylene [2]	73.1	30-150		11/16/21 1:03

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-211(3-5) | Sampled: 11/10/2021 09:50

Sample ID: 21K0653-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.9		% Wt	1		SM 2540G	11/16/21	11/17/21 12:27	WAT

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-227(0-1) | Sampled: 11/10/2021 11:00

Sample ID: 21K0653-16

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:21	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:21	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:21	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:21	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:21	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:21	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:21	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:21	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:21	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.0	30-150		11/16/21 1:21
Decachlorobiphenyl [2]	80.1	30-150		11/16/21 1:21
Tetrachloro-m-xylene [1]	82.6	30-150		11/16/21 1:21
Tetrachloro-m-xylene [2]	75.8	30-150		11/16/21 1:21

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-227(0-1) | Sampled: 11/10/2021 11:00

Sample ID: 21K0653-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.7		% Wt	1		SM 2540G	11/16/21	11/17/21 12:27	WAT

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: Dup-2 | Sampled: 11/10/2021 00:00

Sample ID: 21K0653-17

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:38	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:38	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:38	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:38	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:38	TG
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:38	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:38	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:38	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 1:38	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.5	30-150		11/16/21 1:38
Decachlorobiphenyl [2]	73.0	30-150		11/16/21 1:38
Tetrachloro-m-xylene [1]	73.9	30-150		11/16/21 1:38
Tetrachloro-m-xylene [2]	67.9	30-150		11/16/21 1:38

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: Dup-2 | Sampled: 11/10/2021 00:00

Sample ID: 21K0653-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.4		% Wt	1		SM 2540G	11/16/21	11/17/21 12:27	WAT

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-227(1-3) | Sampled: 11/10/2021 11:05

Sample ID: 21K0653-18

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 19:57	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 19:57	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 19:57	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 19:57	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 19:57	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 19:57	JMB
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 19:57	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 19:57	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 19:57	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.0	30-150		11/16/21 19:57
Decachlorobiphenyl [2]	96.3	30-150		11/16/21 19:57
Tetrachloro-m-xylene [1]	80.0	30-150		11/16/21 19:57
Tetrachloro-m-xylene [2]	88.0	30-150		11/16/21 19:57

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-227(1-3) | Sampled: 11/10/2021 11:05

Sample ID: 21K0653-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.5		% Wt	1		SM 2540G	11/16/21	11/17/21 12:27	WAT

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-227(3-6) | Sampled: 11/10/2021 01:10

Sample ID: 21K0653-19

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:15	JMB
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:15	JMB
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:15	JMB
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:15	JMB
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:15	JMB
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:15	JMB
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:15	JMB
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:15	JMB
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:15	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.7	30-150		11/16/21 20:15
Decachlorobiphenyl [2]	101	30-150		11/16/21 20:15
Tetrachloro-m-xylene [1]	89.5	30-150		11/16/21 20:15
Tetrachloro-m-xylene [2]	98.7	30-150		11/16/21 20:15

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-227(3-6) | Sampled: 11/10/2021 01:10

Sample ID: 21K0653-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.1		% Wt	1		SM 2540G	11/16/21	11/17/21 12:27	WAT

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-226(0-1) | Sampled: 11/10/2021 11:20

Sample ID: 21K0653-20

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:33	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:33	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:33	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:33	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:33	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:33	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:33	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:33	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:33	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.6	30-150		11/16/21 20:33
Decachlorobiphenyl [2]	97.5	30-150		11/16/21 20:33
Tetrachloro-m-xylene [1]	78.3	30-150		11/16/21 20:33
Tetrachloro-m-xylene [2]	86.6	30-150		11/16/21 20:33

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-226(0-1) | Sampled: 11/10/2021 11:20

Sample ID: 21K0653-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.7		% Wt	1		SM 2540G	11/16/21	11/17/21 12:28	WAT

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-226(1-3) | Sampled: 11/10/2021 11:25

Sample ID: 21K0653-21

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:51	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:51	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:51	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:51	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:51	JMB
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:51	JMB
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:51	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:51	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 20:51	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.7	30-150		11/16/21 20:51
Decachlorobiphenyl [2]	93.4	30-150		11/16/21 20:51
Tetrachloro-m-xylene [1]	72.1	30-150		11/16/21 20:51
Tetrachloro-m-xylene [2]	81.1	30-150		11/16/21 20:51

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-226(1-3) | Sampled: 11/10/2021 11:25

Sample ID: 21K0653-21

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.7		% Wt	1		SM 2540G	11/16/21	11/17/21 12:28	WAT

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-226(3-6) | Sampled: 11/10/2021 11:30

Sample ID: 21K0653-22

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 21:09	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 21:09	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 21:09	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 21:09	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 21:09	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 21:09	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 21:09	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 21:09	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/11/21	11/16/21 21:09	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.0	30-150		11/16/21 21:09
Decachlorobiphenyl [2]	97.8	30-150		11/16/21 21:09
Tetrachloro-m-xylene [1]	74.3	30-150		11/16/21 21:09
Tetrachloro-m-xylene [2]	82.7	30-150		11/16/21 21:09

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0653

Date Received: 11/10/2021

Field Sample #: WSE-226(3-6) | Sampled: 11/10/2021 11:30

Sample ID: 21K0653-22

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	71.3		% Wt	1		SM 2540G	11/16/21	11/17/21 12:28	WAT

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Sample Extraction Data

Prep Method: % Solids **Analytical Method: SM 2540G**

Lab Number [Field ID]	Batch	Date
21K0653-02 [WSE-201(3-5)]	B294783	11/16/21
21K0653-03 [WSE-201(5-7)]	B294783	11/16/21
21K0653-04 [WSE-202(3-5)]	B294783	11/16/21
21K0653-05 [WSE-203(3-5)]	B294783	11/16/21
21K0653-07 [WSE-207(3-5)]	B294783	11/16/21
21K0653-08 [WSE-209(3-5)]	B294783	11/16/21
21K0653-11 [WSE-215(3-5)]	B294783	11/16/21
21K0653-12 [WSE-213(3-5)]	B294783	11/16/21
21K0653-13 [Dup-1]	B294783	11/16/21
21K0653-14 [WSE-212(3-5)]	B294783	11/16/21
21K0653-15 [WSE-211(3-5)]	B294783	11/16/21
21K0653-16 [WSE-227(0-1)]	B294783	11/16/21
21K0653-17 [Dup-2]	B294783	11/16/21
21K0653-18 [WSE-227(1-3)]	B294783	11/16/21
21K0653-19 [WSE-227(3-6)]	B294783	11/16/21
21K0653-20 [WSE-226(0-1)]	B294783	11/16/21
21K0653-21 [WSE-226(1-3)]	B294783	11/16/21
21K0653-22 [WSE-226(3-6)]	B294783	11/16/21

Prep Method: SW-846 3540C **Analytical Method: SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21K0653-01 [WSEC-1]	B294533	2.02	10.0	11/12/21
21K0653-06 [WSEC-2]	B294533	2.39	10.0	11/12/21
21K0653-09 [WSEC-3]	B294533	2.33	10.0	11/12/21
21K0653-10 [WSEC-4]	B294533	2.12	10.0	11/12/21

Prep Method: SW-846 3540C **Analytical Method: SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21K0653-02 [WSE-201(3-5)]	B294456	10.0	10.0	11/11/21
21K0653-03 [WSE-201(5-7)]	B294456	10.0	10.0	11/11/21
21K0653-04 [WSE-202(3-5)]	B294456	10.0	10.0	11/11/21
21K0653-05 [WSE-203(3-5)]	B294456	10.0	10.0	11/11/21
21K0653-07 [WSE-207(3-5)]	B294456	10.0	10.0	11/11/21
21K0653-08 [WSE-209(3-5)]	B294456	10.0	10.0	11/11/21
21K0653-11 [WSE-215(3-5)]	B294456	10.0	10.0	11/11/21
21K0653-12 [WSE-213(3-5)]	B294456	10.0	10.0	11/11/21
21K0653-13 [Dup-1]	B294456	10.0	10.0	11/11/21
21K0653-14 [WSE-212(3-5)]	B294456	10.0	10.0	11/11/21
21K0653-15 [WSE-211(3-5)]	B294456	10.0	10.0	11/11/21
21K0653-16 [WSE-227(0-1)]	B294456	10.0	10.0	11/11/21
21K0653-17 [Dup-2]	B294456	10.0	10.0	11/11/21

Prep Method: SW-846 3540C **Analytical Method: SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21K0653-18 [WSE-227(1-3)]	B294520	10.0	10.0	11/11/21
21K0653-19 [WSE-227(3-6)]	B294520	10.0	10.0	11/11/21
21K0653-20 [WSE-226(0-1)]	B294520	10.0	10.0	11/11/21
21K0653-21 [WSE-226(1-3)]	B294520	10.0	10.0	11/11/21

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Sample Extraction Data

Prep Method: SW-846 3540C **Analytical Method: SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21K0653-22 [WSE-226(3-6)]	B294520	10.0	10.0	11/11/21

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B294456 - SW-846 3540C										
Blank (B294456-BLK1)				Prepared: 11/11/21 Analyzed: 11/12/21						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.218*		mg/Kg wet	0.200		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.199*		mg/Kg wet	0.200		99.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.187*		mg/Kg wet	0.200		93.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.148*		mg/Kg wet	0.200		73.8	30-150			
LCS (B294456-BS1)				Prepared: 11/11/21 Analyzed: 11/12/21						
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		97.7	40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		78.1	40-140			
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		97.3	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		84.9	40-140			
Surrogate: Decachlorobiphenyl	*0.215*		mg/Kg wet	0.200		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.196*		mg/Kg wet	0.200		98.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.190*		mg/Kg wet	0.200		95.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.149*		mg/Kg wet	0.200		74.5	30-150			
LCS Dup (B294456-BSD1)				Prepared: 11/11/21 Analyzed: 11/12/21						
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		97.0	40-140	0.724	30	
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		78.3	40-140	0.288	30	
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		97.3	40-140	0.0586	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		84.1	40-140	1.03	30	
Surrogate: Decachlorobiphenyl	*0.216*		mg/Kg wet	0.200		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.197*		mg/Kg wet	0.200		98.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.196*		mg/Kg wet	0.200		98.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.154*		mg/Kg wet	0.200		76.9	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B294456 - SW-846 3540C										
Matrix Spike (B294456-MS1)	**Source: 21K0653-02**			Prepared: 11/11/21 Analyzed: 11/16/21						
Aroclor-1016	0.25	0.10	mg/Kg dry	0.250	ND	99.8	40-140			
Aroclor-1016 [2C]	0.21	0.10	mg/Kg dry	0.250	ND	82.4	40-140			
Aroclor-1260	0.24	0.10	mg/Kg dry	0.250	ND	96.4	40-140			
Aroclor-1260 [2C]	0.21	0.10	mg/Kg dry	0.250	ND	84.0	40-140			
Surrogate: Decachlorobiphenyl	*0.239*		mg/Kg dry	0.250		95.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.199*		mg/Kg dry	0.250		79.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.202*		mg/Kg dry	0.250		80.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.185*		mg/Kg dry	0.250		74.0	30-150			
Matrix Spike Dup (B294456-MSD1)	**Source: 21K0653-02**			Prepared: 11/11/21 Analyzed: 11/16/21						
Aroclor-1016	0.24	0.10	mg/Kg dry	0.250	ND	97.3	40-140	2.55	50	
Aroclor-1016 [2C]	0.20	0.10	mg/Kg dry	0.250	ND	80.2	40-140	2.77	50	
Aroclor-1260	0.23	0.10	mg/Kg dry	0.250	ND	93.4	40-140	3.18	50	
Aroclor-1260 [2C]	0.20	0.10	mg/Kg dry	0.250	ND	81.6	40-140	2.88	50	
Surrogate: Decachlorobiphenyl	*0.229*		mg/Kg dry	0.250		91.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.192*		mg/Kg dry	0.250		76.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.200*		mg/Kg dry	0.250		79.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.185*		mg/Kg dry	0.250		74.1	30-150			
Batch B294520 - SW-846 3540C										
Blank (B294520-BLK1)				Prepared: 11/11/21 Analyzed: 11/16/21						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.199*		mg/Kg wet	0.200		99.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.190*		mg/Kg wet	0.200		95.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.174*		mg/Kg wet	0.200		87.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.157*		mg/Kg wet	0.200		78.5	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B294520 - SW-846 3540C										
LCS (B294520-BS1)				Prepared: 11/11/21 Analyzed: 11/16/21						
Aroclor-1016	0.12	0.020	mg/Kg wet	0.200		61.8	40-140			
Aroclor-1016 [2C]	0.13	0.020	mg/Kg wet	0.200		67.2	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		80.5	40-140			
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		91.6	40-140			V-06
Surrogate: Decachlorobiphenyl	*0.196*		mg/Kg wet	0.200		98.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.191*		mg/Kg wet	0.200		95.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.170*		mg/Kg wet	0.200		85.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.153*		mg/Kg wet	0.200		76.5	30-150			
LCS Dup (B294520-BSD1)				Prepared: 11/11/21 Analyzed: 11/16/21						
Aroclor-1016	0.14	0.020	mg/Kg wet	0.200		70.0	40-140	12.3	30	
Aroclor-1016 [2C]	0.14	0.020	mg/Kg wet	0.200		70.7	40-140	5.12	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		78.9	40-140	1.99	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		88.3	40-140	3.66	30	V-06
Surrogate: Decachlorobiphenyl	*0.188*		mg/Kg wet	0.200		94.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.186*		mg/Kg wet	0.200		92.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.170*		mg/Kg wet	0.200		84.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.149*		mg/Kg wet	0.200		74.7	30-150			
Matrix Spike (B294520-MS1)		**Source: 21K0653-18**		Prepared: 11/11/21 Analyzed: 11/16/21						
Aroclor-1016	0.19	0.086	mg/Kg dry	0.216	ND	87.5	40-140			
Aroclor-1016 [2C]	0.21	0.086	mg/Kg dry	0.216	ND	96.2	40-140			
Aroclor-1260	0.21	0.086	mg/Kg dry	0.216	ND	97.1	40-140			
Aroclor-1260 [2C]	0.24	0.086	mg/Kg dry	0.216	ND	113	40-140			V-06
Surrogate: Decachlorobiphenyl	*0.205*		mg/Kg dry	0.216		94.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.223*		mg/Kg dry	0.216		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.182*		mg/Kg dry	0.216		84.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.198*		mg/Kg dry	0.216		91.4	30-150			
Batch B294533 - SW-846 3540C										
Blank (B294533-BLK1)				Prepared: 11/12/21 Analyzed: 11/16/21						
Aroclor-1016	ND	0.093	mg/Kg							
Aroclor-1016 [2C]	ND	0.093	mg/Kg							
Aroclor-1221	ND	0.093	mg/Kg							
Aroclor-1221 [2C]	ND	0.093	mg/Kg							
Aroclor-1232	ND	0.093	mg/Kg							
Aroclor-1232 [2C]	ND	0.093	mg/Kg							
Aroclor-1242	ND	0.093	mg/Kg							
Aroclor-1242 [2C]	ND	0.093	mg/Kg							
Aroclor-1248	ND	0.093	mg/Kg							
Aroclor-1248 [2C]	ND	0.093	mg/Kg							
Aroclor-1254	ND	0.093	mg/Kg							
Aroclor-1254 [2C]	ND	0.093	mg/Kg							
Aroclor-1260	ND	0.093	mg/Kg							
Aroclor-1260 [2C]	ND	0.093	mg/Kg							
Aroclor-1262	ND	0.093	mg/Kg							
Aroclor-1262 [2C]	ND	0.093	mg/Kg							
Aroclor-1268	ND	0.093	mg/Kg							
Aroclor-1268 [2C]	ND	0.093	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.896*		mg/Kg	0.930		96.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.901*		mg/Kg	0.930		96.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.852*		mg/Kg	0.930		91.5	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B294533 - SW-846 3540C										
Blank (B294533-BLK1)				Prepared: 11/12/21 Analyzed: 11/16/21						
Surrogate: Tetrachloro-m-xylene [2C]	*0.845*		mg/Kg	0.930		90.8	30-150			
LCS (B294533-BS1)				Prepared: 11/12/21 Analyzed: 11/16/21						
Aroclor-1016	0.72	0.089	mg/Kg	0.889		80.7	40-140			
Aroclor-1016 [2C]	0.71	0.089	mg/Kg	0.889		79.5	40-140			
Aroclor-1260	0.87	0.089	mg/Kg	0.889		98.3	40-140			
Aroclor-1260 [2C]	0.84	0.089	mg/Kg	0.889		94.7	40-140			
Surrogate: Decachlorobiphenyl	*0.874*		mg/Kg	0.889		98.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.880*		mg/Kg	0.889		99.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.781*		mg/Kg	0.889		87.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.773*		mg/Kg	0.889		86.9	30-150			
LCS Dup (B294533-BSD1)				Prepared: 11/12/21 Analyzed: 11/16/21						
Aroclor-1016	0.77	0.093	mg/Kg	0.930		82.8	40-140	7.12	30	
Aroclor-1016 [2C]	0.75	0.093	mg/Kg	0.930		80.7	40-140	6.04	30	
Aroclor-1260	0.90	0.093	mg/Kg	0.930		97.2	40-140	3.49	30	
Aroclor-1260 [2C]	0.87	0.093	mg/Kg	0.930		93.2	40-140	2.93	30	
Surrogate: Decachlorobiphenyl	*0.895*		mg/Kg	0.930		96.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.904*		mg/Kg	0.930		97.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.848*		mg/Kg	0.930		91.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.839*		mg/Kg	0.930		90.2	30-150			
Matrix Spike (B294533-MS1)	**Source: 21K0653-01**			Prepared: 11/12/21 Analyzed: 11/16/21						
Aroclor-1016	0.73	0.091	mg/Kg	0.913	ND	79.8	40-140			
Aroclor-1016 [2C]	0.72	0.091	mg/Kg	0.913	ND	78.7	40-140			
Aroclor-1260	0.82	0.091	mg/Kg	0.913	ND	89.4	40-140			
Aroclor-1260 [2C]	0.82	0.091	mg/Kg	0.913	ND	89.4	40-140			
Surrogate: Decachlorobiphenyl	*0.794*		mg/Kg	0.913		87.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.819*		mg/Kg	0.913		89.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.764*		mg/Kg	0.913		83.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.764*		mg/Kg	0.913		83.6	30-150			
Matrix Spike Dup (B294533-MSD1)	**Source: 21K0653-01**			Prepared: 11/12/21 Analyzed: 11/16/21						
Aroclor-1016	0.69	0.087	mg/Kg	0.873	ND	79.1	40-140	5.39	50	
Aroclor-1016 [2C]	0.66	0.087	mg/Kg	0.873	ND	75.8	40-140	8.25	50	
Aroclor-1260	0.78	0.087	mg/Kg	0.873	ND	89.0	40-140	4.86	50	
Aroclor-1260 [2C]	0.77	0.087	mg/Kg	0.873	ND	88.7	40-140	5.27	50	
Surrogate: Decachlorobiphenyl	*0.790*		mg/Kg	0.873		90.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.815*		mg/Kg	0.873		93.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.779*		mg/Kg	0.873		89.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.775*		mg/Kg	0.873		88.8	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WSE-209(3-5)

Lab Sample ID: 21K0653-08 Date(s) Analyzed: 11/15/2021 11/15/2021

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.62	
	2	0.000	-0.030	0.030	0.72	14.9
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.20	10.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WSEC-3

Lab Sample ID: 21K0653-09 Date(s) Analyzed: 11/16/2021 11/16/2021

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.13	
	2	0.000	0.000	0.000	0.15	14.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WSEC-4

Lab Sample ID: 21K0653-10

Date(s) Analyzed: 11/16/2021 11/16/2021

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.57	
	2	0.000	0.000	0.000	0.53	7.3
Aroclor-1260	1	0.000	0.000	0.000	0.29	
	2	0.000	0.000	0.000	0.29	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WSE-213(3-5)

Lab Sample ID: 21K0653-12

Date(s) Analyzed: 11/16/2021 11/16/2021

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.62	
	2	0.000	-0.030	0.030	0.68	9.2
Aroclor-1260	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.18	10.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Dup-1

Lab Sample ID: 21K0653-13

Date(s) Analyzed: 11/16/2021 11/16/2021

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.7	
	2	0.000	-0.030	0.030	2.0	16.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WSE-212(3-5)

Lab Sample ID: 21K0653-14

Date(s) Analyzed: 11/16/2021 11/16/2021

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.5	
	2	0.000	-0.030	0.030	2.9	14.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WSE-211(3-5)

Lab Sample ID: 21K0653-15

Date(s) Analyzed: 11/16/2021 11/16/2021

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.29	
	2	0.000	-0.030	0.030	0.31	6.7
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.16	6.1

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
O-32	A dilution was performed as part of the standard analytical procedure.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1262	NY,NC,VA,PA
Aroclor-1262 [2C]	NY,NC,VA,PA
Aroclor-1268	NY,NC,VA,PA
Aroclor-1268 [2C]	NY,NC,VA,PA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1262	NY,NC,VA,PA
Aroclor-1262 [2C]	NY,NC,VA,PA
Aroclor-1268	NY,NC,VA,PA
Aroclor-1268 [2C]	NY,NC,VA,PA

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Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

21K0653

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Company Name:	Weston + Sampson
Address:	100 International Dr #152
Phone:	Portsmouth, NH
Project Name:	Pittsfield, East St
Project Location:	Pittsfield, MA
Project Number:	ENG21-0054 Phase C
Project Manager:	Todd Bridgeo
Pace Quote Name/Number:	n/a
Invoice Recipient:	Todd Bridgeo
Sampled By:	Meghan Shanahan

Requested Turnaround Time

7-Day ☐ 10-Day ☐
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required

1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Dissolved Metals Samples

○ Field Filtered
○ Lab to Filter

Orthophosphate Samples

○ Field Filtered
○ Lab to Filter

Data Delivery

Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To: bridgeot@wseinc.com
Fax To #:

PCB ONLY

SOXHLET ☒
NON SOXHLET ☐

ANALYSIS REQUESTED

Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code[1]	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	PCBs 8082 SOX	MA metals
01	WSE C-1	11/8/21	1000	grab	C	U		1				X	
02	WSE-201(3-5')	↓	1100	↓	S	U		1				X	X
03	WSE-201(5-7')		1120		S	U		1				X	X
04	WSE-202(3-5')		1230		S	U		1				X	
05	WSE-203(3-5')		1315		S	U		1				X	
06	WSE C-2		1600		C	U		1				X	
07	WSE-207(3-5')	11/9/21	0940		S	U		1				X	
08	WSE-209(3-5')		~~[illegible]~~ 1100		S	U		1				X	
09	WSE C-3		1000		C	U		1				X	
10	WSE C-4	↓	1230	↓	C	U		1				X	

[2] Preservation Code

Courier Use Only

Total Number Of:

VIALS____
GLASS____
PLASTIC____
BACTERIA____
ENCORE____

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Pace Analytical is not responsible for missing samples from prepacked coolers

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature) [signature]	Date/Time:
Received by: (signature) [signature] 11:24	Date/Time: 11-10-2021
Relinquished by: (signature) [signature] 13:30	Date/Time: 11-10-2021
Received by: (signature) [signature] 4.0	Date/Time: 11/10 1330
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Only analyze samples for PCBs, no metals, per Meghan S.

-KKM 11/11/21

Detection Limit Requirements

MA

CT

Other:

Special Requirements

☒ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity

Government ☒ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments:

Disclaimer: Pace Analytical is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Pace Analytical values your partnership on each project and will try to assist with missing information, but will not be held accountable.

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21K0653

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Doc # 381 Rev 5_07/13/2021

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Access COC's and Support Requests

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 3

Company Name: Weston + Sampson
Address: 100 International Dr #152
Phone: Portsmouth NH
Project Name: Pittsfield - East St
Project Location: Pittsfield, MA
Project Number: ENG21-0554
Project Manager: Todd Bridgeo
Pace Quote Name/Number: n/a
Invoice Recipient: Todd Bridgeo
Sampled By: Meghan Sampson

Requested Turnaround Time			
7-Day ☐	10-Day ☐		
PFAS 10-Day (std) ☐	Due Date:		

Rush-Approval Required: 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐

Dissolved Metals Samples: ○ Field Filtered ○ Lab to Filter

Orthophosphate Samples: ○ Field Filtered ○ Lab to Filter

Data Delivery
Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To: bridgeot@wseinc.com
Fax To #:

PCB ONLY
SOXHLET ☒
NON SOXHLET ☐

ANALYSIS REQUESTED: PCBs 8082 SOX; MCP Metals

Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	PCBs 8082 SOX	MCP Metals
11	WSE-215(3-5')	11/10/2021	0820	grab	S	U		1				X	
12	WSE-213(3-5')	11/10/2021	0915	grab	S	U		1				X	
13	DUP-1	11/10/2021	—	grab	S	U		1				X	
14	WSE-212(3-5')	↓	0930	grab	S	U		1				X	
15	WSE-211(3-5')	11/10/2021	0950	grab	S	U		1				X	
16	WSE-227(0-1')	↓	1000	grab	S	U		1				X	
17	DUP-2	↓	—	grab	S	U		1				X	
18	WSE-227(1-3')	11/10/21	1105	↓	↓	↓		1				X	
19	WSE-227(3-6')	↓	1110					1				X	
20	WSE-226(0-1')	11/10/21	1120	grab	S	U		2				X	X

Relinquished by: (signature)	Date/Time:
Received by: (signature) [signature] 11:24	Date/Time: 11-10-2021
Relinquished by: (signature) [signature] 13:30	Date/Time: 11-10-2021
Received by: (signature) [signature]	Date/Time: 11/10 1330
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements: MA / CT / Other:

Special Requirements
☒ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☒ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

² Preservation Code
Courier Use Only
Total Number Of:
VIALS____
GLASS____
PLASTIC____
BACTERIA____
ENCORE____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Pace Analytical is not responsible for missing samples from prepacked coolers

¹ Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

² Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Lab Comments:

Disclaimer: Pace Analytical is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Pace Analytical values your partnership on each project and will try to assist with missing information, but will not be held accountable.

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2116053

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Company Name: Weston + Sampson
Address: 100 International Dr
Phone:
Project Name:
Project Location: See Pg
Project Number: [redacted]
Project Manager:
Pace Quote Name/Number: See Page 1
Invoice Recipient: Ian Nye
Sampled By:

Requested Turnaround Time
7-Day ☐ 10-Day ☐
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To: bridget@lawsenc.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☒
NON SOXHLET ☐

ANALYSIS REQUESTED

Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE
21	WSE-226(1-3')	11/10/21	1125	grab	S	U		2			
20	WSE-226(3-6')	L	1130	grab	S	U		2			

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS
GLASS
PLASTIC
BACTERIA
ENCORE

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Pace Analytical is not responsible for missing samples from prepacked coolers

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 11-10-2021 11:24
Relinquished by: (signature)	Date/Time: 11-10-2021 13:30
Received by: (signature) 40	Date/Time: 11/10 1330
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Other: ☐ Chromatogram ☐ *AIHA-LAP,LLC*

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Lab Comments:

Disclaimer: Pace Analytical is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Pace Analytical values your partnership on each project and will try to assist with missing information, but will not be held accountable.

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I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client WTS

Received By MP Date 11/10 Time 1330

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____ Direct from Sampling _____ Ambient _____ Melted Ice _____

By Gun # 3 Actual Temp - 4.0

Were samples within Temperature? 2-6°C T By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	25
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

ID on cap for sample WSE-227(0-1) doesn't match the label. The label has WSE-226(0-1) on it.

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test, a Pace Analytical Laboratory	Project #: 21K0653
Project Location: Pittsfield, MA	RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

21K0653-01 thru 21K0653-22

Matrices: Product/Solid Soil

CAM Protocol (check all that below)

8260 VOC CAM II A ( )	7470/7471 Hg CAM IIIB ( )	MassDEP VPH CAM IV A ( )	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )
8270 SVOC CAM II B ( )	7010 Metals CAM III C ( )	MassDEP VPH CAM IV C ( )	8081 Pesticides CAM V B ( )	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
6010 Metals CAM III A ( )	6020 Metals CAM III D ( )	MassDEP EPH CAM IV B ( )	8151 Herbicides CAM V C ( )	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )

Affirmative response to Questions A throughF is required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☑ Yes	☐ No[1]
B	Were the analytical method(s) and all associated QC requirements specificed in the selected CAM protocol(s) followed?	☑ Yes	☐ No[1]
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☑ Yes	☐ No[1]
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidlines for the Acquisition and Reporting of Analytical Data?	☑ Yes	☐ No[1]
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	☐ Yes	☐ No[1]
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes	☐ No[1]
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Qestions A through E)?	☑ Yes	☐ No[1]

A response to questions G, H and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☑ Yes	☐ No[1]

***Data User Note:* Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

H	Were all QC perfomance standards specified in the CAM protocol(s) achieved?	☐ Yes	☑ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☑ Yes	☐ No[1]

[1] *All Negative responses must be addressed in an attached Environmental Laboratory case narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Lisa Worthington Position: Technical Representative

Printed Name: Lisa A. Worthington Date: 11/17/21

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A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

December 9, 2021

Todd Bridgeo
Weston & Sampson
712 Brook Street, Suite 103
Rocky Hill, CT 06067

Project Location: Pittsfield, MA
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 21K0885

Enclosed are results of analyses for samples as received by the laboratory on November 12, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kerry K. McGee
Project Manager

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Table of Contents (continued)

Table of Contents (continued)

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Weston & Sampson
712 Brook Street, Suite 103
Rocky Hill, CT 06067
ATTN: Todd Bridgeo

REPORT DATE: 12/9/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21K0885

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Pittsfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WSE-236 (5-14)	21K0885-01	Soil		SM 2540G	
				SW-846 8082A	
WSE-235 (7-8)	21K0885-02	Soil		SM 2540G	
				SW-846 8082A	
WSE-235 (8-17)	21K0885-03	Soil		SM 2540G	
				SW-846 8082A	
WSE-234 (7-8)	21K0885-04	Soil		SM 2540G	
				SW-846 8082A	
WSE-234 (8-17)	21K0885-05	Soil		SM 2540G	
				SW-846 8082A	
WSE-233 (5-6)	21K0885-06	Soil		SM 2540G	
				SW-846 8082A	
WSE-233 (6-15)	21K0885-07	Soil		SM 2540G	
				SW-846 8082A	
WSE-232 (0-5)	21K0885-08	Soil		SM 2540G	
				SM21-23 2510B Modified	
				SW-846 1030	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8100 Modified	
				SW-846 8151A	
				SW-846 8260D	
				SW-846 8270E	
				SW-846 8290A	CT PH-0256/NY11647/MN00064
				SW-846 9014	
				SW-846 9030A	
				SW-846 9045C	
WSE-232 (5-6)	21K0885-09	Soil		SM 2540G	
				SW-846 8082A	
WSE-232 (6-15)	21K0885-10	Soil		SM 2540G	
				SW-846 8082A	
WSE-231 (5-6)	21K0885-11	Soil		SM 2540G	
				SW-846 8082A	
WSE-231 (6-15)	21K0885-12	Soil		SM 2540G	
				SW-846 8082A	
WSE-230 (4-13)	21K0885-13	Soil		SM 2540G	
				SW-846 8082A	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
712 Brook Street, Suite 103
Rocky Hill, CT 06067
ATTN: Todd Bridgeo

REPORT DATE: 12/9/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21K0885

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Pittsfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WSE-211 (5-7)	21K0885-14	Soil		SM 2540G	
				SW-846 8082A	
WSE-211 (7-9)	21K0885-15	Soil		SM 2540G	
				SW-846 8082A	
WSE-211 (9-10)	21K0885-16	Soil		SM 2540G	
				SW-846 8082A	
WSE-228 (0-4)	21K0885-17	Soil		SM 2540G	
				SM21-23 2510B Modified	
				SW-846 1030	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8100 Modified	
				SW-846 8151A	
				SW-846 8260D	
				SW-846 8270E	
				SW-846 8290A	CT PH-0256/NY11647/MN00064
				SW-846 9014	
				SW-846 9030A	
				SW-846 9045C	
WSE-228 (4-10)	21K0885-18	Soil		SM 2540G	
				SW-846 8082A	
WSE-228 (10-14)	21K0885-19	Soil		SM 2540G	
				SW-846 8082A	
WSE-209 (5-7)	21K0885-20	Soil		SM 2540G	
				SW-846 8082A	
WSE-207 (5-7)	21K0885-21	Soil		SM 2540G	
				SW-846 8082A	
WSE-226 (6-7)	21K0885-22	Soil		SM 2540G	
				SW-846 8082A	
WSE-226 (7-9)	21K0885-23	Soil		SM 2540G	
				SW-846 8082A	
WSE-226 (9-16)	21K0885-24	Soil		SM 2540G	
				SW-846 8082A	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
712 Brook Street, Suite 103
Rocky Hill, CT 06067
ATTN: Todd Bridgeo

REPORT DATE: 12/9/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21K0885

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Pittsfield, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WSE-226 (0-6)	21K0885-25	Soil		SM 2540G	
				SM21-23 2510B Modified	
				SW-846 1030	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8100 Modified	
				SW-846 8151A	
				SW-846 8260D	
				SW-846 8270E	
				SW-846 8290A	CT PH-0256/NY11647/MN00064
				SW-846 9014	
				SW-846 9030A	
				SW-846 9045C	
WSE-227 (6-7)	21K0885-26	Soil		SM 2540G	
				SW-846 8082A	
WSE-227 (7-9)	21K0885-27	Soil		SM 2540G	
				SW-846 8082A	
WSE-227 (9-16)	21K0885-28	Soil		SM 2540G	
				SW-846 8082A	
WSE-229 (4-13)	21K0885-29	Soil		SM 2540G	
				SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 8151 samples were derivatized on 11/17/21

For method 8151 samples analysis bracketed by LCS to monitor esterification. All recoveries in the bracketing LCS met method criteria.

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SW-846 6010D

Qualifications:

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

21K0885-08[WSE-232 (0-5)], 21K0885-17[WSE-228 (0-4)], 21K0885-25[WSE-226 (0-6)]

SW-846 8081B

Qualifications:

DL-04

Elevated reporting limit due to high concentration of an interfering analyte(s).

Analyte & Samples(s) Qualified:

21K0885-08[WSE-232 (0-5)]

SW-846 8082A

Qualifications:

O-32

A dilution was performed as part of the standard analytical procedure.

Analyte & Samples(s) Qualified:

21K0885-01[WSE-236 (5-14)], 21K0885-02[WSE-235 (7-8)], 21K0885-03[WSE-235 (8-17)], 21K0885-04[WSE-234 (7-8)], 21K0885-05[WSE-234 (8-17)], 21K0885-06[WSE-233 (5-6)], 21K0885-09[WSE-232 (5-6)], 21K0885-11[WSE-231 (5-6)], 21K0885-12[WSE-231 (6-15)], 21K0885-13[WSE-230 (4-13)], 21K0885-14[WSE-211 (5-7)], 21K0885-15[WSE-211 (7-9)], 21K0885-16[WSE-211 (9-10)], 21K0885-18[WSE-228 (4-10)], 21K0885-19[WSE-228 (10-14)], 21K0885-20[WSE-209 (5-7)], 21K0885-21[WSE-207 (5-7)], 21K0885-22[WSE-226 (6-7)], 21K0885-23[WSE-226 (7-9)], 21K0885-24[WSE-226 (9-16)], 21K0885-26[WSE-227 (6-7)], 21K0885-27[WSE-227 (7-9)], 21K0885-28[WSE-227 (9-16)]

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl
21K0885-07[WSE-233 (6-15)], 21K0885-29[WSE-229 (4-13)]

Decachlorobiphenyl [2C]
21K0885-07[WSE-233 (6-15)], 21K0885-29[WSE-229 (4-13)]

Tetrachloro-m-xylene
21K0885-07[WSE-233 (6-15)], 21K0885-29[WSE-229 (4-13)]

Tetrachloro-m-xylene [2C]
21K0885-07[WSE-233 (6-15)], 21K0885-29[WSE-229 (4-13)]

SW-846 8151A

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Dalapon
21K0885-08[WSE-232 (0-5)], 21K0885-17[WSE-228 (0-4)], 21K0885-25[WSE-226 (0-6)], B294725-BLK1, B294725-BS1, B294725-BSD1, B294725-MS1, B294725-MSD1

Dalapon [2C]
21K0885-08[WSE-232 (0-5)], 21K0885-25[WSE-226 (0-6)], B294725-BLK1, B294725-BS1, B294725-BSD1, B294725-MS1, B294725-MSD1

MS-15

Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.

Analyte & Samples(s) Qualified:

MCPA
B294725-MS1, B294725-MSD1

MS-23

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

2,4-DB
B294725-MSD1

2,4-DB [2C]
B294725-MSD1

Dalapon
B294725-MS1

Dalapon [2C]
B294725-MS1

MCPP [2C]
B294725-MS1

O-32

A dilution was performed as part of the standard analytical procedure.

Analyte & Samples(s) Qualified:

21K0885-08[WSE-232 (0-5)], 21K0885-17[WSE-228 (0-4)], 21K0885-25[WSE-226 (0-6)], B294725-BLK1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

2,4-DB
21K0885-08[WSE-232 (0-5)], B294725-MS1

2,4-DB [2C]
21K0885-08[WSE-232 (0-5)], B294725-MS1

Dalapon
21K0885-08[WSE-232 (0-5)], B294725-MSD1

Dalapon [2C]
21K0885-08[WSE-232 (0-5)], B294725-MSD1

MCPA
21K0885-08[WSE-232 (0-5)], B294725-MS1, B294725-MSD1

MCPP [2C]
21K0885-08[WSE-232 (0-5)], B294725-MSD1

S-12

Surrogate recovery is outside of control limits on confirmatory column, but within control limits on primary column. Data validation is not affected.

Analyte & Samples(s) Qualified:

2,4-Dichlorophenylacetic acid [2C]
21K0885-08[WSE-232 (0-5)]

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Dalapon [2C]
B294725-MS1, B294725-MSD1

SW-846 8260D

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Trichlorofluoromethane (Freon 11)
B294717-BS1, B294717-BSD1

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V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

1,4-Dioxane
21K0885-08[WSE-232 (0-5)], 21K0885-17[WSE-228 (0-4)], 21K0885-25[WSE-226 (0-6)], B294717-BLK1, B294717-BS1, B294717-BSD1, S065371-CCV1

Tetrahydrofuran
21K0885-08[WSE-232 (0-5)], 21K0885-17[WSE-228 (0-4)], 21K0885-25[WSE-226 (0-6)], B294717-BLK1, B294717-BS1, B294717-BSD1, S065371-CCV1

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

1,4-Dioxane
S065371-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromomethane
B294717-BS1, B294717-BSD1, S065371-CCV1

Chloroethane
B294717-BS1, B294717-BSD1, S065371-CCV1

Trichlorofluoromethane (Freon 11)
B294717-BS1, B294717-BSD1, S065371-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Bromomethane
21K0885-08[WSE-232 (0-5)], 21K0885-17[WSE-228 (0-4)], 21K0885-25[WSE-226 (0-6)], B294717-BLK1, B294717-BS1, B294717-BSD1, S065371-CCV1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

2-Hexanone (MBK)
B294717-BS1, B294717-BSD1, S065371-CCV1

Acetone
B294717-BS1, B294717-BSD1, S065371-CCV1

SW-846 8270E

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2-Dichlorobenzene
21K0885-08RE1[WSE-232 (0-5)], 21K0885-17RE1[WSE-228 (0-4)], 21K0885-25RE1[WSE-226 (0-6)], B294739-BLK1, B294739-BS1, B294739-BSD1

1,3-Dichlorobenzene
21K0885-08RE1[WSE-232 (0-5)], 21K0885-17RE1[WSE-228 (0-4)], 21K0885-25RE1[WSE-226 (0-6)], B294739-BLK1, B294739-BS1, B294739-BSD1

1,4-Dichlorobenzene
21K0885-08RE1[WSE-232 (0-5)], 21K0885-17RE1[WSE-228 (0-4)], 21K0885-25RE1[WSE-226 (0-6)], B294739-BLK1, B294739-BS1, B294739-BSD1

Hexachlorobutadiene
21K0885-08RE1[WSE-232 (0-5)], 21K0885-17RE1[WSE-228 (0-4)], 21K0885-25RE1[WSE-226 (0-6)], B294739-BLK1, B294739-BS1, B294739-BSD1

Pyridine
21K0885-08RE1[WSE-232 (0-5)], 21K0885-17RE1[WSE-228 (0-4)], 21K0885-25RE1[WSE-226 (0-6)], B294739-BLK1, B294739-BS1, B294739-BSD1

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L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene
B294739-BSD1

2-Chloronaphthalene
B294739-BSD1

Hexachloroethane
B294739-BS1

V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
21K0885-08RE1[WSE-232 (0-5)], 21K0885-17RE1[WSE-228 (0-4)], 21K0885-25RE1[WSE-226 (0-6)], S065609-CCV1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Hexachlorobutadiene
21K0885-08RE1[WSE-232 (0-5)], 21K0885-17RE1[WSE-228 (0-4)], 21K0885-25RE1[WSE-226 (0-6)], S065609-CCV1

Pentachlorophenol
21K0885-08RE1[WSE-232 (0-5)], 21K0885-17RE1[WSE-228 (0-4)], 21K0885-25RE1[WSE-226 (0-6)], S065609-CCV1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

4-Chloroaniline
B294739-BS1, B294739-BSD1, S065436-CCV1

Bis(2-Ethylhexyl)phthalate
21K0885-08RE1[WSE-232 (0-5)], 21K0885-17RE1[WSE-228 (0-4)], 21K0885-25RE1[WSE-226 (0-6)], S065609-CCV1

Di-n-octylphthalate
S065609-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

4-Chloroaniline
B294739-BLK1

Di-n-octylphthalate
21K0885-08RE1[WSE-232 (0-5)], 21K0885-17RE1[WSE-228 (0-4)], 21K0885-25RE1[WSE-226 (0-6)]

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

4-Chloroaniline
21K0885-08RE1[WSE-232 (0-5)], 21K0885-17RE1[WSE-228 (0-4)], 21K0885-25RE1[WSE-226 (0-6)], S065609-CCV1

SW-846 9045C

Qualifications:

H-09

Sample received by laboratory with insufficient time remaining to perform analysis within the recommended holding time.

Analyte & Samples(s) Qualified:

pH
21K0885-08[WSE-232 (0-5)], 21K0885-17[WSE-228 (0-4)], 21K0885-25[WSE-226 (0-6)]

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SW-846 8100 Modified

TPH (C9-C36) is quantitated against a calibration made with a diesel standard.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-236 (5-14) | Sampled: 11/11/2021 10:00

Sample ID: 21K0885-01

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:02	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:02	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:02	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:02	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:02	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:02	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:02	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:02	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:02	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.2	30-150		11/18/21 17:02
Decachlorobiphenyl [2]	90.6	30-150		11/18/21 17:02
Tetrachloro-m-xylene [1]	78.4	30-150		11/18/21 17:02
Tetrachloro-m-xylene [2]	81.7	30-150		11/18/21 17:02

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-236 (5-14) | Sampled: 11/11/2021 10:00

Sample ID: 21K0885-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.2		% Wt	1		SM 2540G	11/20/21	11/21/21 10:21	CV

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-235 (7-8) | Sampled: 11/11/2021 10:30

Sample ID: 21K0885-02

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:20	TG
Aroclor-1221 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:20	TG
Aroclor-1232 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:20	TG
Aroclor-1242 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:20	TG
Aroclor-1248 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:20	TG
Aroclor-1254 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:20	TG
Aroclor-1260 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:20	TG
Aroclor-1262 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:20	TG
Aroclor-1268 [1]	ND	0.084	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:20	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.2	30-150		11/18/21 17:20
Decachlorobiphenyl [2]	85.1	30-150		11/18/21 17:20
Tetrachloro-m-xylene [1]	66.3	30-150		11/18/21 17:20
Tetrachloro-m-xylene [2]	69.6	30-150		11/18/21 17:20

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-235 (7-8) | Sampled: 11/11/2021 10:30

Sample ID: 21K0885-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.7		% Wt	1		SM 2540G	11/20/21	11/21/21 10:21	CV

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-235 (8-17) | Sampled: 11/11/2021 10:30

Sample ID: 21K0885-03

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:37	TG
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:37	TG
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:37	TG
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:37	TG
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:37	TG
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:37	TG
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:37	TG
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:37	TG
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:37	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.6	30-150		11/18/21 17:37
Decachlorobiphenyl [2]	80.3	30-150		11/18/21 17:37
Tetrachloro-m-xylene [1]	77.8	30-150		11/18/21 17:37
Tetrachloro-m-xylene [2]	81.5	30-150		11/18/21 17:37

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-235 (8-17) | Sampled: 11/11/2021 10:30

Sample ID: 21K0885-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.4		% Wt	1		SM 2540G	11/20/21	11/21/21 10:21	CV

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-234 (7-8) | Sampled: 11/11/2021 10:40

Sample ID: 21K0885-04

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:55	TG
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:55	TG
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:55	TG
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:55	TG
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:55	TG
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:55	TG
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:55	TG
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:55	TG
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 17:55	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.6	30-150		11/18/21 17:55
Decachlorobiphenyl [2]	99.1	30-150		11/18/21 17:55
Tetrachloro-m-xylene [1]	75.2	30-150		11/18/21 17:55
Tetrachloro-m-xylene [2]	79.4	30-150		11/18/21 17:55

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-234 (7-8) | Sampled: 11/11/2021 10:40

Sample ID: 21K0885-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.5		% Wt	1		SM 2540G	11/20/21	11/21/21 10:21	CV

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-234 (8-17) | Sampled: 11/11/2021 10:40

Sample ID: 21K0885-05

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 18:12	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 18:12	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 18:12	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 18:12	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 18:12	TG
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 18:12	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 18:12	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 18:12	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 18:12	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.4	30-150		11/18/21 18:12
Decachlorobiphenyl [2]	97.1	30-150		11/18/21 18:12
Tetrachloro-m-xylene [1]	79.4	30-150		11/18/21 18:12
Tetrachloro-m-xylene [2]	83.3	30-150		11/18/21 18:12

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-234 (8-17) | Sampled: 11/11/2021 10:40

Sample ID: 21K0885-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.4		% Wt	1		SM 2540G	11/20/21	11/21/21 10:21	CV

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-233 (5-6) | Sampled: 11/11/2021 11:00

Sample ID: 21K0885-06

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 18:30	TG
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 18:30	TG
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 18:30	TG
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 18:30	TG
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 18:30	TG
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 18:30	TG
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 18:30	TG
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 18:30	TG
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 18:30	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.0	30-150		11/18/21 18:30
Decachlorobiphenyl [2]	94.3	30-150		11/18/21 18:30
Tetrachloro-m-xylene [1]	76.6	30-150		11/18/21 18:30
Tetrachloro-m-xylene [2]	80.7	30-150		11/18/21 18:30

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-233 (5-6) | Sampled: 11/11/2021 11:00

Sample ID: 21K0885-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.4		% Wt	1		SM 2540G	11/20/21	11/21/21 10:21	CV

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-233 (6-15) | Sampled: 11/11/2021 11:00

Sample ID: 21K0885-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	11/15/21	11/19/21 8:08	TG
Aroclor-1221 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	11/15/21	11/19/21 8:08	TG
Aroclor-1232 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	11/15/21	11/19/21 8:08	TG
Aroclor-1242 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	11/15/21	11/19/21 8:08	TG
Aroclor-1248 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	11/15/21	11/19/21 8:08	TG
Aroclor-1254 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	11/15/21	11/19/21 8:08	TG
Aroclor-1260 [2]	12	1.7	mg/Kg dry	80		SW-846 8082A	11/15/21	11/19/21 8:08	TG
Aroclor-1262 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	11/15/21	11/19/21 8:08	TG
Aroclor-1268 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	11/15/21	11/19/21 8:08	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	11/19/21 8:08
Decachlorobiphenyl [2]	*	30-150	S-01	11/19/21 8:08
Tetrachloro-m-xylene [1]	*	30-150	S-01	11/19/21 8:08
Tetrachloro-m-xylene [2]	*	30-150	S-01	11/19/21 8:08

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-233 (6-15) | Sampled: 11/11/2021 11:00

Sample ID: 21K0885-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.9		% Wt	1		SM 2540G	11/20/21	11/21/21 10:22	CV

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-232 (0-5) | Sampled: 11/11/2021 11:15

Sample ID: 21K0885-08

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.083	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00083	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Benzene	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Bromobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Bromochloromethane	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Bromodichloromethane	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Bromoform	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Bromomethane	ND	0.0083	mg/Kg dry	1	V-34	SW-846 8260D	11/15/21	11/15/21 13:16	MFF
2-Butanone (MEK)	ND	0.033	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
n-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
sec-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
tert-Butylbenzene	ND	0.0033	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00083	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Carbon Disulfide	ND	0.0083	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Carbon Tetrachloride	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Chlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Chlorodibromomethane	ND	0.00083	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Chloroethane	ND	0.017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Chloroform	ND	0.0033	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Chloromethane	ND	0.0083	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
2-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
4-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
1,2-Dibromoethane (EDB)	ND	0.00083	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Dibromomethane	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
1,2-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
1,3-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
1,4-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
1,1-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
1,2-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
1,1-Dichloroethylene	ND	0.0033	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
cis-1,2-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
trans-1,2-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
1,2-Dichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
1,3-Dichloropropane	ND	0.00083	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
2,2-Dichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
1,1-Dichloropropene	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
cis-1,3-Dichloropropene	ND	0.00083	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
trans-1,3-Dichloropropene	ND	0.00083	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Diethyl Ether	ND	0.017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Diisopropyl Ether (DIPE)	ND	0.00083	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
1,4-Dioxane	ND	0.083	mg/Kg dry	1	V-05	SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Ethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-232 (0-5) | Sampled: 11/11/2021 11:15

Sample ID: 21K0885-08

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
2-Hexanone (MBK)	ND	0.017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Isopropylbenzene (Cumene)	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0033	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Methylene Chloride	ND	0.017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Naphthalene	ND	0.0033	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
n-Propylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Styrene	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
1,1,1,2-Tetrachloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
1,1,2,2-Tetrachloroethane	ND	0.00083	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Tetrachloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Tetrahydrofuran	ND	0.0083	mg/Kg dry	1	V-05	SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Toluene	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
1,2,3-Trichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
1,2,4-Trichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
1,1,1-Trichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
1,1,2-Trichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Trichloroethylene	0.0017	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0083	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
1,2,3-Trichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
1,2,4-Trimethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
1,3,5-Trimethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
Vinyl Chloride	ND	0.0083	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
m+p Xylene	ND	0.0033	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF
o-Xylene	ND	0.0017	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:16	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		11/15/21 13:16
Toluene-d8	97.9	70-130		11/15/21 13:16
4-Bromofluorobenzene	99.2	70-130		11/15/21 13:16

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-232 (0-5) | Sampled: 11/11/2021 11:15

Sample ID: 21K0885-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Biphenyl	ND	0.76	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Acetophenone	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Aniline	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Benzo(a)anthracene	0.45	0.19	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Benzo(a)pyrene	0.61	0.19	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Benzo(b)fluoranthene	0.67	0.19	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Benzo(e)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Benzo(g,h,i)perylene	0.43	0.19	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Benzo(k)fluoranthene	0.30	0.19	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1	V-06	SW-846 8270E	11/15/21	11/20/21 17:35	BGL
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Butylbenzylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Perylene	ND	0.19	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
4-Chloroaniline	ND	0.75	mg/Kg dry	1	V-34	SW-846 8270E	11/15/21	11/20/21 17:35	BGL
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Chrysene	0.49	0.19	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
1,2-Dichlorobenzene	ND	0.38	mg/Kg dry	1	L-04	SW-846 8270E	11/15/21	11/20/21 17:35	BGL
1,3-Dichlorobenzene	ND	0.38	mg/Kg dry	1	L-04	SW-846 8270E	11/15/21	11/20/21 17:35	BGL
1,4-Dichlorobenzene	ND	0.38	mg/Kg dry	1	L-04	SW-846 8270E	11/15/21	11/20/21 17:35	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Dimethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
2,4-Dinitrophenol	ND	0.75	mg/Kg dry	1	V-04	SW-846 8270E	11/15/21	11/20/21 17:35	BGL
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Di-n-octylphthalate	ND	0.38	mg/Kg dry	1	V-20	SW-846 8270E	11/15/21	11/20/21 17:35	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Fluoranthene	0.65	0.19	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1	V-05, L-04	SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-232 (0-5) | Sampled: 11/11/2021 11:15

Sample ID: 21K0885-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Indeno(1,2,3-cd)pyrene	0.40	0.19	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
2-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
4-Nitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Pentachlorophenol	ND	0.38	mg/Kg dry	1	V-05	SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Phenanthrene	0.44	0.19	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Pyrene	1.1	0.19	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
Pyridine	ND	0.38	mg/Kg dry	1	L-04	SW-846 8270E	11/15/21	11/20/21 17:35	BGL
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 17:35	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	35.0	30-130		11/20/21 17:35
Phenol-d6	42.8	30-130		11/20/21 17:35
Nitrobenzene-d5	32.4	30-130		11/20/21 17:35
2-Fluorobiphenyl	44.9	30-130		11/20/21 17:35
2,4,6-Tribromophenol	42.4	30-130		11/20/21 17:35
p-Terphenyl-d14	88.9	30-130		11/20/21 17:35

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-232 (0-5) | Sampled: 11/11/2021 11:15

Sample ID: 21K0885-08

Sample Matrix: Soil

Sample Flags: DL-04

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.028	mg/Kg dry	5		SW-846 8081B	11/15/21	11/18/21 15:00	JMB
alpha-BHC [1]	ND	0.028	mg/Kg dry	5		SW-846 8081B	11/15/21	11/18/21 15:00	JMB
beta-BHC [1]	ND	0.028	mg/Kg dry	5		SW-846 8081B	11/15/21	11/18/21 15:00	JMB
delta-BHC [1]	ND	0.028	mg/Kg dry	5		SW-846 8081B	11/15/21	11/18/21 15:00	JMB
gamma-BHC (Lindane) [1]	ND	0.011	mg/Kg dry	5		SW-846 8081B	11/15/21	11/18/21 15:00	JMB
Chlordane [1]	ND	0.11	mg/Kg dry	5		SW-846 8081B	11/15/21	11/18/21 15:00	JMB
4,4'-DDD [1]	ND	0.023	mg/Kg dry	5		SW-846 8081B	11/15/21	11/18/21 15:00	JMB
4,4'-DDE [1]	ND	0.023	mg/Kg dry	5		SW-846 8081B	11/15/21	11/18/21 15:00	JMB
4,4'-DDT [1]	ND	0.023	mg/Kg dry	5		SW-846 8081B	11/15/21	11/18/21 15:00	JMB
Dieldrin [1]	ND	0.023	mg/Kg dry	5		SW-846 8081B	11/15/21	11/18/21 15:00	JMB
Endosulfan I [1]	ND	0.028	mg/Kg dry	5		SW-846 8081B	11/15/21	11/18/21 15:00	JMB
Endosulfan II [1]	ND	0.045	mg/Kg dry	5		SW-846 8081B	11/15/21	11/18/21 15:00	JMB
Endosulfan sulfate [1]	ND	0.045	mg/Kg dry	5		SW-846 8081B	11/15/21	11/18/21 15:00	JMB
Endrin [1]	ND	0.045	mg/Kg dry	5		SW-846 8081B	11/15/21	11/18/21 15:00	JMB
Endrin ketone [1]	ND	0.045	mg/Kg dry	5		SW-846 8081B	11/15/21	11/18/21 15:00	JMB
Heptachlor [1]	ND	0.028	mg/Kg dry	5		SW-846 8081B	11/15/21	11/18/21 15:00	JMB
Heptachlor epoxide [1]	ND	0.028	mg/Kg dry	5		SW-846 8081B	11/15/21	11/18/21 15:00	JMB
Hexachlorobenzene [1]	ND	0.034	mg/Kg dry	5		SW-846 8081B	11/15/21	11/18/21 15:00	JMB
Methoxychlor [1]	ND	0.28	mg/Kg dry	5		SW-846 8081B	11/15/21	11/18/21 15:00	JMB
Toxaphene [1]	ND	0.56	mg/Kg dry	5		SW-846 8081B	11/15/21	11/18/21 15:00	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.2	30-150		11/18/21 15:00
Decachlorobiphenyl [2]	86.0	30-150		11/18/21 15:00
Tetrachloro-m-xylene [1]	80.2	30-150		11/18/21 15:00
Tetrachloro-m-xylene [2]	80.3	30-150		11/18/21 15:00

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-232 (0-5) | Sampled: 11/11/2021 11:15

Sample ID: 21K0885-08

Sample Matrix: Soil

Sample Flags: O-32

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	110	µg/kg dry	4		SW-846 8151A	11/15/21	11/19/21 2:51	TG
2,4-DB [1]	ND	110	µg/kg dry	4	R-06	SW-846 8151A	11/15/21	11/19/21 2:51	TG
2,4,5-TP (Silvex) [1]	ND	11	µg/kg dry	4		SW-846 8151A	11/15/21	11/19/21 2:51	TG
2,4,5-T [1]	ND	11	µg/kg dry	4		SW-846 8151A	11/15/21	11/19/21 2:51	TG
Dalalpon [1]	ND	280	µg/kg dry	4	L-04, R-06	SW-846 8151A	11/15/21	11/19/21 2:51	TG
Dicamba [1]	ND	11	µg/kg dry	4		SW-846 8151A	11/15/21	11/19/21 2:51	TG
Dichloroprop [1]	ND	110	µg/kg dry	4		SW-846 8151A	11/15/21	11/19/21 2:51	TG
MCPA [1]	ND	11000	µg/kg dry	4	R-06	SW-846 8151A	11/15/21	11/19/21 2:51	TG
MCPP [1]	ND	11000	µg/kg dry	4		SW-846 8151A	11/15/21	11/19/21 2:51	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2,4-Dichlorophenylacetic acid [1]	70.0	30-150		11/19/21 2:51
2,4-Dichlorophenylacetic acid [2]	**24.2** *	30-150	S-12	11/19/21 2:51

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-232 (0-5) | Sampled: 11/11/2021 11:15

Sample ID: 21K0885-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
TPH (C9-C36)	130	9.4	mg/Kg dry	1		SW-846 8100 Modified	11/12/21	11/20/21 0:20	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual					
2-Fluorobiphenyl	57.6	40-140						11/20/21 0:20

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-232 (0-5) | Sampled: 11/11/2021 11:15

Sample ID: 21K0885-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.8	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:16	QNW
Arsenic	7.7	3.6	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:16	QNW
Barium	48	1.8	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:16	QNW
Beryllium	0.24	0.18	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:16	QNW
Cadmium	ND	0.36	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:16	QNW
Chromium	13	0.73	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:16	QNW
Lead	90	0.54	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:16	QNW
Mercury	0.95	0.032	mg/Kg dry	1		SW-846 7471B	11/15/21	11/16/21 8:46	DRL
Nickel	21	0.73	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:16	QNW
Selenium	ND	3.6	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:16	QNW
Silver	ND	0.36	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:16	QNW
Thallium	ND	1.8	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:16	QNW
Vanadium	12	0.73	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:16	QNW
Zinc	110	0.73	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:16	QNW

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-232 (0-5) | Sampled: 11/11/2021 11:15

Sample ID: 21K0885-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.5		% Wt	1		SM 2540G	11/20/21	11/21/21 10:22	CV
Ignitability	Absent		present/absent	1		SW-846 1030	11/14/21	11/14/21 15:34	YR
pH @19.4°C	7.7		pH Units	1	H-09	SW-846 9045C	11/12/21	11/12/21 18:00	MMH
Reactive Cyanide	ND	3.9	mg/Kg	1		SW-846 9014	11/13/21	11/14/21 11:18	YR
Reactive Sulfide	ND	19	mg/Kg	1		SW-846 9030A	11/13/21	11/14/21 9:42	YR
Specific conductance	7.5	2.0	µmhos/cm	1		SM21-23 2510B Modified	11/15/21	11/15/21 14:00	EC

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-232 (0-5) | Sampled: 11/11/2021 11:15

Sample ID: 21K0885-08

Sample Matrix: Soil

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
See Attached Subcontracted Report	-			ng/kg	1		SW-846 8290A	11/17/21	11/25/21 4:16	PMN

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-232 (5-6) | Sampled: 11/11/2021 11:15

Sample ID: 21K0885-09

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 19:05	TG
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 19:05	TG
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 19:05	TG
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 19:05	TG
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 19:05	TG
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 19:05	TG
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 19:05	TG
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 19:05	TG
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 19:05	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.1	30-150		11/18/21 19:05
Decachlorobiphenyl [2]	90.7	30-150		11/18/21 19:05
Tetrachloro-m-xylene [1]	71.7	30-150		11/18/21 19:05
Tetrachloro-m-xylene [2]	75.1	30-150		11/18/21 19:05

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-232 (5-6) | Sampled: 11/11/2021 11:15

Sample ID: 21K0885-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.4		% Wt	1		SM 2540G	11/20/21	11/21/21 10:22	CV

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-232 (6-15) | Sampled: 11/11/2021 11:15

Sample ID: 21K0885-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	11/15/21	11/19/21 8:26	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	11/15/21	11/19/21 8:26	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	11/15/21	11/19/21 8:26	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	11/15/21	11/19/21 8:26	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	11/15/21	11/19/21 8:26	TG
Aroclor-1254 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	11/15/21	11/19/21 8:26	TG
Aroclor-1260 [2]	3.6	0.46	mg/Kg dry	20		SW-846 8082A	11/15/21	11/19/21 8:26	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	11/15/21	11/19/21 8:26	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	11/15/21	11/19/21 8:26	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.1	30-150		11/19/21 8:26
Decachlorobiphenyl [2]	97.7	30-150		11/19/21 8:26
Tetrachloro-m-xylene [1]	79.2	30-150		11/19/21 8:26
Tetrachloro-m-xylene [2]	81.7	30-150		11/19/21 8:26

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-232 (6-15) | Sampled: 11/11/2021 11:15

Sample ID: 21K0885-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	11/20/21	11/21/21 10:22	CV

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-231 (5-6) | Sampled: 11/11/2021 11:50

Sample ID: 21K0885-11

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 20:46	TG
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 20:46	TG
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 20:46	TG
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 20:46	TG
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 20:46	TG
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 20:46	TG
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 20:46	TG
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 20:46	TG
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 20:46	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.1	30-150		11/18/21 20:46
Decachlorobiphenyl [2]	92.8	30-150		11/18/21 20:46
Tetrachloro-m-xylene [1]	80.5	30-150		11/18/21 20:46
Tetrachloro-m-xylene [2]	85.3	30-150		11/18/21 20:46

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-231 (5-6) | Sampled: 11/11/2021 11:50

Sample ID: 21K0885-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.3		% Wt	1		SM 2540G	11/20/21	11/21/21 10:22	CV

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-231 (6-15) | Sampled: 11/11/2021 11:50

Sample ID: 21K0885-12

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:03	TG
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:03	TG
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:03	TG
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:03	TG
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:03	TG
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:03	TG
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:03	TG
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:03	TG
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:03	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.5	30-150		11/18/21 21:03
Decachlorobiphenyl [2]	93.5	30-150		11/18/21 21:03
Tetrachloro-m-xylene [1]	80.9	30-150		11/18/21 21:03
Tetrachloro-m-xylene [2]	85.7	30-150		11/18/21 21:03

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-231 (6-15) | Sampled: 11/11/2021 11:50

Sample ID: 21K0885-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.5		% Wt	1		SM 2540G	11/20/21	11/21/21 10:22	CV

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-230 (4-13) | Sampled: 11/11/2021 12:05

Sample ID: 21K0885-13

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:21	TG
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:21	TG
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:21	TG
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:21	TG
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:21	TG
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:21	TG
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:21	TG
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:21	TG
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:21	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.6	30-150		11/18/21 21:21
Decachlorobiphenyl [2]	93.5	30-150		11/18/21 21:21
Tetrachloro-m-xylene [1]	72.3	30-150		11/18/21 21:21
Tetrachloro-m-xylene [2]	76.8	30-150		11/18/21 21:21

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-230 (4-13) | Sampled: 11/11/2021 12:05

Sample ID: 21K0885-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.0		% Wt	1		SM 2540G	11/20/21	11/21/21 10:22	CV

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-211 (5-7) | Sampled: 11/11/2021 13:00

Sample ID: 21K0885-14

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:38	TG
Aroclor-1221 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:38	TG
Aroclor-1232 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:38	TG
Aroclor-1242 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:38	TG
Aroclor-1248 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:38	TG
Aroclor-1254 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:38	TG
Aroclor-1260 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:38	TG
Aroclor-1262 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:38	TG
Aroclor-1268 [1]	ND	0.083	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:38	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.1	30-150		11/18/21 21:38
Decachlorobiphenyl [2]	94.3	30-150		11/18/21 21:38
Tetrachloro-m-xylene [1]	74.3	30-150		11/18/21 21:38
Tetrachloro-m-xylene [2]	78.4	30-150		11/18/21 21:38

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-211 (5-7) | Sampled: 11/11/2021 13:00

Sample ID: 21K0885-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.0		% Wt	1		SM 2540G	11/20/21	11/21/21 10:22	CV

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-211 (7-9) | Sampled: 11/11/2021 13:00

Sample ID: 21K0885-15

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:56	TG
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:56	TG
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:56	TG
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:56	TG
Aroclor-1248 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:56	TG
Aroclor-1254 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:56	TG
Aroclor-1260 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:56	TG
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:56	TG
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 21:56	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.5	30-150		11/18/21 21:56
Decachlorobiphenyl [2]	96.9	30-150		11/18/21 21:56
Tetrachloro-m-xylene [1]	81.8	30-150		11/18/21 21:56
Tetrachloro-m-xylene [2]	86.6	30-150		11/18/21 21:56

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-211 (7-9) | Sampled: 11/11/2021 13:00

Sample ID: 21K0885-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.6		% Wt	1		SM 2540G	11/20/21	11/21/21 10:22	CV

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-211 (9-10) | Sampled: 11/11/2021 13:00

Sample ID: 21K0885-16

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:14	TG
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:14	TG
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:14	TG
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:14	TG
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:14	TG
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:14	TG
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:14	TG
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:14	TG
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:14	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.9	30-150		11/18/21 22:14
Decachlorobiphenyl [2]	95.1	30-150		11/18/21 22:14
Tetrachloro-m-xylene [1]	82.8	30-150		11/18/21 22:14
Tetrachloro-m-xylene [2]	87.1	30-150		11/18/21 22:14

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-211 (9-10) | Sampled: 11/11/2021 13:00

Sample ID: 21K0885-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.6		% Wt	1		SM 2540G	11/20/21	11/21/21 10:22	CV

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-228 (0-4) | Sampled: 11/11/2021 13:15

Sample ID: 21K0885-17

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.078	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00078	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Benzene	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Bromobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Bromochloromethane	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Bromodichloromethane	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Bromoform	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Bromomethane	ND	0.0078	mg/Kg dry	1	V-34	SW-846 8260D	11/15/21	11/15/21 13:42	MFF
2-Butanone (MEK)	ND	0.031	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
n-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
sec-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
tert-Butylbenzene	ND	0.0031	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00078	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Carbon Disulfide	ND	0.0078	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Carbon Tetrachloride	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Chlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Chlorodibromomethane	ND	0.00078	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Chloroethane	ND	0.016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Chloroform	ND	0.0031	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Chloromethane	ND	0.0078	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
2-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
4-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
1,2-Dibromoethane (EDB)	ND	0.00078	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Dibromomethane	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
1,2-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
1,3-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
1,4-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
1,1-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
1,2-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
1,1-Dichloroethylene	ND	0.0031	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
cis-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
trans-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
1,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
1,3-Dichloropropane	ND	0.00078	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
2,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
1,1-Dichloropropene	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
cis-1,3-Dichloropropene	ND	0.00078	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
trans-1,3-Dichloropropene	ND	0.00078	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Diethyl Ether	ND	0.016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Diisopropyl Ether (DIPE)	ND	0.00078	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
1,4-Dioxane	ND	0.078	mg/Kg dry	1	V-05	SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Ethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-228 (0-4) | Sampled: 11/11/2021 13:15

Sample ID: 21K0885-17

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
2-Hexanone (MBK)	ND	0.016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Isopropylbenzene (Cumene)	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0031	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Methylene Chloride	ND	0.016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Naphthalene	ND	0.0031	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
n-Propylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Styrene	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
1,1,1,2-Tetrachloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
1,1,2,2-Tetrachloroethane	ND	0.00078	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Tetrachloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Tetrahydrofuran	ND	0.0078	mg/Kg dry	1	V-05	SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Toluene	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
1,2,3-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
1,2,4-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
1,1,1-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
1,1,2-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Trichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0078	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
1,2,3-Trichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
1,2,4-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
1,3,5-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
Vinyl Chloride	ND	0.0078	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
m+p Xylene	ND	0.0031	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF
o-Xylene	ND	0.0016	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 13:42	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	106	70-130		11/15/21 13:42
Toluene-d8	98.4	70-130		11/15/21 13:42
4-Bromofluorobenzene	101	70-130		11/15/21 13:42

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-228 (0-4) | Sampled: 11/11/2021 13:15

Sample ID: 21K0885-17

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Biphenyl	ND	0.78	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Acetophenone	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Aniline	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Benzo(a)pyrene	0.20	0.20	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Benzo(b)fluoranthene	0.26	0.20	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Benzo(e)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Bis(2-chloroethoxy)methane	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Bis(2-chloroethyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Bis(2-chloroisopropyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.40	mg/Kg dry	1	V-06	SW-846 8270E	11/15/21	11/20/21 18:01	BGL
4-Bromophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Butylbenzylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Perylene	ND	0.20	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
4-Chloroaniline	ND	0.77	mg/Kg dry	1	V-34	SW-846 8270E	11/15/21	11/20/21 18:01	BGL
2-Chloronaphthalene	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
2-Chlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Dibenzofuran	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Di-n-butylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
1,2-Dichlorobenzene	ND	0.40	mg/Kg dry	1	L-04	SW-846 8270E	11/15/21	11/20/21 18:01	BGL
1,3-Dichlorobenzene	ND	0.40	mg/Kg dry	1	L-04	SW-846 8270E	11/15/21	11/20/21 18:01	BGL
1,4-Dichlorobenzene	ND	0.40	mg/Kg dry	1	L-04	SW-846 8270E	11/15/21	11/20/21 18:01	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
2,4-Dichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Diethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
2,4-Dimethylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Dimethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
2,4-Dinitrophenol	ND	0.77	mg/Kg dry	1	V-04	SW-846 8270E	11/15/21	11/20/21 18:01	BGL
2,4-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
2,6-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Di-n-octylphthalate	ND	0.40	mg/Kg dry	1	V-20	SW-846 8270E	11/15/21	11/20/21 18:01	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Hexachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Hexachlorobutadiene	ND	0.40	mg/Kg dry	1	L-04, V-05	SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Hexachloroethane	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-228 (0-4) | Sampled: 11/11/2021 13:15

Sample ID: 21K0885-17

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Isophorone	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
2-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
3/4-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Nitrobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
2-Nitrophenol	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
4-Nitrophenol	ND	0.77	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Pentachlorophenol	ND	0.40	mg/Kg dry	1	V-05	SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Phenol	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
Pyridine	ND	0.40	mg/Kg dry	1	L-04	SW-846 8270E	11/15/21	11/20/21 18:01	BGL
1,2,4-Trichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
2,4,5-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL
2,4,6-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:01	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	43.5	30-130		11/20/21 18:01
Phenol-d6	43.0	30-130		11/20/21 18:01
Nitrobenzene-d5	35.9	30-130		11/20/21 18:01
2-Fluorobiphenyl	41.8	30-130		11/20/21 18:01
2,4,6-Tribromophenol	42.9	30-130		11/20/21 18:01
p-Terphenyl-d14	75.8	30-130		11/20/21 18:01

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-228 (0-4) | Sampled: 11/11/2021 13:15

Sample ID: 21K0885-17

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 15:30	JMB
alpha-BHC [1]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 15:30	JMB
beta-BHC [1]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 15:30	JMB
delta-BHC [1]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 15:30	JMB
gamma-BHC (Lindane) [1]	ND	0.0023	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 15:30	JMB
Chlordane [1]	ND	0.023	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 15:30	JMB
4,4'-DDD [1]	ND	0.0047	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 15:30	JMB
4,4'-DDE [1]	ND	0.0047	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 15:30	JMB
4,4'-DDT [1]	ND	0.0047	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 15:30	JMB
Dieldrin [1]	ND	0.0047	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 15:30	JMB
Endosulfan I [1]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 15:30	JMB
Endosulfan II [1]	ND	0.0093	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 15:30	JMB
Endosulfan sulfate [1]	ND	0.0093	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 15:30	JMB
Endrin [1]	ND	0.0093	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 15:30	JMB
Endrin ketone [1]	ND	0.0093	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 15:30	JMB
Heptachlor [1]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 15:30	JMB
Heptachlor epoxide [1]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 15:30	JMB
Hexachlorobenzene [1]	ND	0.0070	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 15:30	JMB
Methoxychlor [1]	ND	0.058	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 15:30	JMB
Toxaphene [1]	ND	0.12	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 15:30	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.5	30-150		11/18/21 15:30
Decachlorobiphenyl [2]	86.1	30-150		11/18/21 15:30
Tetrachloro-m-xylene [1]	78.2	30-150		11/18/21 15:30
Tetrachloro-m-xylene [2]	81.7	30-150		11/18/21 15:30

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-228 (0-4) | Sampled: 11/11/2021 13:15

Sample ID: 21K0885-17

Sample Matrix: Soil

Sample Flags: O-32

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	120	µg/kg dry	4		SW-846 8151A	11/15/21	11/19/21 3:31	TG
2,4-DB [1]	ND	120	µg/kg dry	4		SW-846 8151A	11/15/21	11/19/21 3:31	TG
2,4,5-TP (Silvex) [1]	ND	12	µg/kg dry	4		SW-846 8151A	11/15/21	11/19/21 3:31	TG
2,4,5-T [1]	ND	12	µg/kg dry	4		SW-846 8151A	11/15/21	11/19/21 3:31	TG
Dalalpon [1]	ND	290	µg/kg dry	4	L-04	SW-846 8151A	11/15/21	11/19/21 3:31	TG
Dicamba [1]	ND	12	µg/kg dry	4		SW-846 8151A	11/15/21	11/19/21 3:31	TG
Dichloroprop [1]	ND	120	µg/kg dry	4		SW-846 8151A	11/15/21	11/19/21 3:31	TG
MCPA [1]	ND	12000	µg/kg dry	4		SW-846 8151A	11/15/21	11/19/21 3:31	TG
MCPP [1]	ND	12000	µg/kg dry	4		SW-846 8151A	11/15/21	11/19/21 3:31	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2,4-Dichlorophenylacetic acid [1]	51.0	30-150		11/19/21	3:31
2,4-Dichlorophenylacetic acid [2]	79.9	30-150		11/19/21	3:31

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-228 (0-4) | Sampled: 11/11/2021 13:15

Sample ID: 21K0885-17

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
TPH (C9-C36)	43	9.7	mg/Kg dry	1		SW-846 8100 Modified	11/12/21	11/19/21 16:00	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
2-Fluorobiphenyl	63.0	40-140				11/19/21 16:00	

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-228 (0-4) | Sampled: 11/11/2021 13:15

Sample ID: 21K0885-17

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.9	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:22	QNW
Arsenic	ND	3.7	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:22	QNW
Barium	29	1.9	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:22	QNW
Beryllium	0.24	0.19	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:22	QNW
Cadmium	ND	0.37	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:22	QNW
Chromium	12	0.75	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:22	QNW
Lead	12	0.56	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:22	QNW
Mercury	0.052	0.029	mg/Kg dry	1		SW-846 7471B	11/15/21	11/16/21 8:52	DRL
Nickel	22	0.75	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:22	QNW
Selenium	ND	3.7	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:22	QNW
Silver	ND	0.37	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:22	QNW
Thallium	ND	1.9	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:22	QNW
Vanadium	11	0.75	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:22	QNW
Zinc	81	0.75	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:22	QNW

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-228 (0-4) | Sampled: 11/11/2021 13:15

Sample ID: 21K0885-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.8		% Wt	1		SM 2540G	11/20/21	11/21/21 10:22	CV
Ignitability	Absent		present/absent	1		SW-846 1030	11/14/21	11/14/21 15:34	YR
pH @19.6°C	7.6		pH Units	1	H-09	SW-846 9045C	11/12/21	11/12/21 18:00	MMH
Reactive Cyanide	ND	3.9	mg/Kg	1		SW-846 9014	11/13/21	11/14/21 11:18	YR
Reactive Sulfide	ND	20	mg/Kg	1		SW-846 9030A	11/13/21	11/14/21 9:42	YR
Specific conductance	6.3	2.0	µmhos/cm	1		SM21-23 2510B Modified	11/15/21	11/15/21 14:00	EC

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-228 (0-4) | Sampled: 11/11/2021 13:15

Sample ID: 21K0885-17

Sample Matrix: Soil

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
See Attached Subcontracted Report	-			ng/kg	1		SW-846 8290A	11/17/21	11/25/21 5:02	PMN

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-228 (4-10) | Sampled: 11/11/2021 13:15

Sample ID: 21K0885-18

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:32	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:32	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:32	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:32	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:32	TG
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:32	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:32	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:32	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:32	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.1	30-150		11/18/21 22:32
Decachlorobiphenyl [2]	91.8	30-150		11/18/21 22:32
Tetrachloro-m-xylene [1]	65.0	30-150		11/18/21 22:32
Tetrachloro-m-xylene [2]	68.1	30-150		11/18/21 22:32

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-228 (4-10) | Sampled: 11/11/2021 13:15

Sample ID: 21K0885-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.8		% Wt	1		SM 2540G	11/20/21	11/21/21 10:22	CV

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-228 (10-14) | Sampled: 11/11/2021 13:15

Sample ID: 21K0885-19

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:49	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:49	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:49	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:49	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:49	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:49	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:49	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:49	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 22:49	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.6	30-150		11/18/21 22:49
Decachlorobiphenyl [2]	95.5	30-150		11/18/21 22:49
Tetrachloro-m-xylene [1]	73.2	30-150		11/18/21 22:49
Tetrachloro-m-xylene [2]	76.7	30-150		11/18/21 22:49

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-228 (10-14) | Sampled: 11/11/2021 13:15

Sample ID: 21K0885-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.9		% Wt	1		SM 2540G	11/20/21	11/21/21 10:23	CV

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-209 (5-7) | Sampled: 11/11/2021 13:30

Sample ID: 21K0885-20

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:07	TG
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:07	TG
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:07	TG
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:07	TG
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:07	TG
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:07	TG
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:07	TG
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:07	TG
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:07	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.7	30-150		11/18/21 23:07
Decachlorobiphenyl [2]	94.5	30-150		11/18/21 23:07
Tetrachloro-m-xylene [1]	69.9	30-150		11/18/21 23:07
Tetrachloro-m-xylene [2]	73.8	30-150		11/18/21 23:07

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-209 (5-7) | Sampled: 11/11/2021 13:30

Sample ID: 21K0885-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.3		% Wt	1		SM 2540G	11/20/21	11/21/21 10:23	CV

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-207 (5-7) | Sampled: 11/11/2021 14:00

Sample ID: 21K0885-21

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:24	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:24	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:24	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:24	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:24	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:24	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:24	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:24	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:24	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.6	30-150		11/18/21 23:24
Decachlorobiphenyl [2]	84.8	30-150		11/18/21 23:24
Tetrachloro-m-xylene [1]	69.1	30-150		11/18/21 23:24
Tetrachloro-m-xylene [2]	73.7	30-150		11/18/21 23:24

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-207 (5-7) | Sampled: 11/11/2021 14:00

Sample ID: 21K0885-21

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.3		% Wt	1		SM 2540G	11/20/21	11/21/21 10:23	CV

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-226 (6-7) | Sampled: 11/11/2021 15:10

Sample ID: 21K0885-22

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:42	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:42	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:42	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:42	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:42	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:42	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:42	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:42	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	11/15/21	11/18/21 23:42	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.4	30-150		11/18/21 23:42
Decachlorobiphenyl [2]	92.6	30-150		11/18/21 23:42
Tetrachloro-m-xylene [1]	68.6	30-150		11/18/21 23:42
Tetrachloro-m-xylene [2]	72.4	30-150		11/18/21 23:42

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-226 (6-7) | Sampled: 11/11/2021 15:10

Sample ID: 21K0885-22

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	75.7		% Wt	1		SM 2540G	11/20/21	11/21/21 10:23	CV

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-226 (7-9) | Sampled: 11/11/2021 15:10

Sample ID: 21K0885-23

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 20:37	TG
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 20:37	TG
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 20:37	TG
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 20:37	TG
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 20:37	TG
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 20:37	TG
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 20:37	TG
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 20:37	TG
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 20:37	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		11/17/21 20:37
Decachlorobiphenyl [2]	91.6	30-150		11/17/21 20:37
Tetrachloro-m-xylene [1]	85.1	30-150		11/17/21 20:37
Tetrachloro-m-xylene [2]	67.2	30-150		11/17/21 20:37

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-226 (7-9) | Sampled: 11/11/2021 15:10

Sample ID: 21K0885-23

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.0		% Wt	1		SM 2540G	11/20/21	11/21/21 10:23	CV

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-226 (9-16) | Sampled: 11/11/2021 15:10

Sample ID: 21K0885-24

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 20:55	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 20:55	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 20:55	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 20:55	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 20:55	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 20:55	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 20:55	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 20:55	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 20:55	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		11/17/21 20:55
Decachlorobiphenyl [2]	93.8	30-150		11/17/21 20:55
Tetrachloro-m-xylene [1]	87.5	30-150		11/17/21 20:55
Tetrachloro-m-xylene [2]	68.8	30-150		11/17/21 20:55

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-226 (9-16) | Sampled: 11/11/2021 15:10

Sample ID: 21K0885-24

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	75.6		% Wt	1		SM 2540G	11/20/21	11/21/21 10:23	CV

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-226 (0-6) | Sampled: 11/11/2021 15:10

Sample ID: 21K0885-25

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.076	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00076	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Benzene	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Bromobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Bromochloromethane	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Bromodichloromethane	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Bromoform	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Bromomethane	ND	0.0076	mg/Kg dry	1	V-34	SW-846 8260D	11/15/21	11/15/21 14:07	MFF
2-Butanone (MEK)	ND	0.030	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
n-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
sec-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
tert-Butylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00076	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Carbon Disulfide	ND	0.0076	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Carbon Tetrachloride	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Chlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Chlorodibromomethane	ND	0.00076	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Chloroethane	ND	0.015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Chloroform	ND	0.0030	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Chloromethane	ND	0.0076	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
2-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
4-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
1,2-Dibromoethane (EDB)	ND	0.00076	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Dibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
1,2-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
1,3-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
1,4-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
1,1-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
1,2-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
1,1-Dichloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
cis-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
trans-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
1,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
1,3-Dichloropropane	ND	0.00076	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
2,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
1,1-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
cis-1,3-Dichloropropene	ND	0.00076	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
trans-1,3-Dichloropropene	ND	0.00076	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Diethyl Ether	ND	0.015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Diisopropyl Ether (DIPE)	ND	0.00076	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
1,4-Dioxane	ND	0.076	mg/Kg dry	1	V-05	SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Ethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-226 (0-6) | Sampled: 11/11/2021 15:10

Sample ID: 21K0885-25

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
2-Hexanone (MBK)	ND	0.015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Isopropylbenzene (Cumene)	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0030	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Methylene Chloride	ND	0.015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Naphthalene	ND	0.0030	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
n-Propylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Styrene	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
1,1,1,2-Tetrachloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
1,1,2,2-Tetrachloroethane	ND	0.00076	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Tetrachloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Tetrahydrofuran	ND	0.0076	mg/Kg dry	1	V-05	SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Toluene	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
1,2,3-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
1,2,4-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
1,1,1-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
1,1,2-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Trichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0076	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
1,2,3-Trichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
1,2,4-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
1,3,5-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
Vinyl Chloride	ND	0.0076	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
m+p Xylene	ND	0.0030	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF
o-Xylene	ND	0.0015	mg/Kg dry	1		SW-846 8260D	11/15/21	11/15/21 14:07	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		11/15/21 14:07
Toluene-d8	98.6	70-130		11/15/21 14:07
4-Bromofluorobenzene	100	70-130		11/15/21 14:07

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-226 (0-6) | Sampled: 11/11/2021 15:10

Sample ID: 21K0885-25

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Biphenyl	ND	0.72	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Acetophenone	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Aniline	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Benzo(b)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Benzo(e)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Bis(2-chloroethoxy)methane	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Bis(2-chloroisopropyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.36	mg/Kg dry	1	V-06	SW-846 8270E	11/15/21	11/20/21 18:27	BGL
4-Bromophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Butylbenzylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Perylene	ND	0.18	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
4-Chloroaniline	ND	0.70	mg/Kg dry	1	V-34	SW-846 8270E	11/15/21	11/20/21 18:27	BGL
2-Chloronaphthalene	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
2-Chlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Chrysene	ND	0.18	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Dibenzofuran	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Di-n-butylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
1,2-Dichlorobenzene	ND	0.36	mg/Kg dry	1	L-04	SW-846 8270E	11/15/21	11/20/21 18:27	BGL
1,3-Dichlorobenzene	ND	0.36	mg/Kg dry	1	L-04	SW-846 8270E	11/15/21	11/20/21 18:27	BGL
1,4-Dichlorobenzene	ND	0.36	mg/Kg dry	1	L-04	SW-846 8270E	11/15/21	11/20/21 18:27	BGL
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
2,4-Dichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Diethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
2,4-Dimethylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Dimethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
2,4-Dinitrophenol	ND	0.70	mg/Kg dry	1	V-04	SW-846 8270E	11/15/21	11/20/21 18:27	BGL
2,4-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
2,6-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Di-n-octylphthalate	ND	0.36	mg/Kg dry	1	V-20	SW-846 8270E	11/15/21	11/20/21 18:27	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Hexachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Hexachlorobutadiene	ND	0.36	mg/Kg dry	1	L-04, V-05	SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Hexachloroethane	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-226 (0-6) | Sampled: 11/11/2021 15:10

Sample ID: 21K0885-25

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Isophorone	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
2-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
3/4-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Nitrobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
2-Nitrophenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
4-Nitrophenol	ND	0.70	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Pentachlorophenol	ND	0.36	mg/Kg dry	1	V-05	SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Phenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
Pyridine	ND	0.36	mg/Kg dry	1	L-04	SW-846 8270E	11/15/21	11/20/21 18:27	BGL
1,2,4-Trichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
2,4,5-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL
2,4,6-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	11/15/21	11/20/21 18:27	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	53.4	30-130		11/20/21 18:27
Phenol-d6	52.0	30-130		11/20/21 18:27
Nitrobenzene-d5	44.8	30-130		11/20/21 18:27
2-Fluorobiphenyl	50.9	30-130		11/20/21 18:27
2,4,6-Tribromophenol	39.4	30-130		11/20/21 18:27
p-Terphenyl-d14	92.1	30-130		11/20/21 18:27

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-226 (0-6) | Sampled: 11/11/2021 15:10

Sample ID: 21K0885-25

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 16:00	JMB
alpha-BHC [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 16:00	JMB
beta-BHC [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 16:00	JMB
delta-BHC [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 16:00	JMB
gamma-BHC (Lindane) [1]	ND	0.0021	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 16:00	JMB
Chlordane [1]	ND	0.021	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 16:00	JMB
4,4'-DDD [1]	ND	0.0043	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 16:00	JMB
4,4'-DDE [1]	ND	0.0043	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 16:00	JMB
4,4'-DDT [1]	ND	0.0043	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 16:00	JMB
Dieldrin [1]	ND	0.0043	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 16:00	JMB
Endosulfan I [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 16:00	JMB
Endosulfan II [1]	ND	0.0085	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 16:00	JMB
Endosulfan sulfate [1]	ND	0.0085	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 16:00	JMB
Endrin [1]	ND	0.0085	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 16:00	JMB
Endrin ketone [1]	ND	0.0085	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 16:00	JMB
Heptachlor [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 16:00	JMB
Heptachlor epoxide [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 16:00	JMB
Hexachlorobenzene [1]	ND	0.0064	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 16:00	JMB
Methoxychlor [1]	ND	0.053	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 16:00	JMB
Toxaphene [1]	ND	0.11	mg/Kg dry	1		SW-846 8081B	11/15/21	11/18/21 16:00	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.4	30-150		11/18/21 16:00
Decachlorobiphenyl [2]	84.6	30-150		11/18/21 16:00
Tetrachloro-m-xylene [1]	76.0	30-150		11/18/21 16:00
Tetrachloro-m-xylene [2]	79.2	30-150		11/18/21 16:00

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-226 (0-6) | Sampled: 11/11/2021 15:10

Sample ID: 21K0885-25

Sample Matrix: Soil

Sample Flags: O-32

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	110	µg/kg dry	4		SW-846 8151A	11/15/21	11/19/21 4:11	TG
2,4-DB [1]	ND	110	µg/kg dry	4		SW-846 8151A	11/15/21	11/19/21 4:11	TG
2,4,5-TP (Silvex) [1]	ND	11	µg/kg dry	4		SW-846 8151A	11/15/21	11/19/21 4:11	TG
2,4,5-T [1]	ND	11	µg/kg dry	4		SW-846 8151A	11/15/21	11/19/21 4:11	TG
Dalalpon [1]	ND	270	µg/kg dry	4	L-04	SW-846 8151A	11/15/21	11/19/21 4:11	TG
Dicamba [1]	ND	11	µg/kg dry	4		SW-846 8151A	11/15/21	11/19/21 4:11	TG
Dichloroprop [1]	ND	110	µg/kg dry	4		SW-846 8151A	11/15/21	11/19/21 4:11	TG
MCPA [1]	ND	11000	µg/kg dry	4		SW-846 8151A	11/15/21	11/19/21 4:11	TG
MCPP [1]	ND	11000	µg/kg dry	4		SW-846 8151A	11/15/21	11/19/21 4:11	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2,4-Dichlorophenylacetic acid [1]	52.5	30-150		11/19/21 4:11	
2,4-Dichlorophenylacetic acid [2]	68.2	30-150		11/19/21 4:11	

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-226 (0-6) | Sampled: 11/11/2021 15:10

Sample ID: 21K0885-25

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
TPH (C9-C36)	16	8.9	mg/Kg dry	1		SW-846 8100 Modified	11/12/21	11/19/21 14:48	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual					
2-Fluorobiphenyl	69.8	40-140					11/19/21 14:48	

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-226 (0-6) | Sampled: 11/11/2021 15:10

Sample ID: 21K0885-25

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.7	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:41	QNW
Arsenic	5.0	3.5	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:41	QNW
Barium	24	1.7	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:41	QNW
Beryllium	0.23	0.17	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:41	QNW
Cadmium	ND	0.35	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:41	QNW
Chromium	6.7	0.70	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:41	QNW
Lead	5.5	0.52	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:41	QNW
Mercury	ND	0.027	mg/Kg dry	1		SW-846 7471B	11/15/21	11/16/21 8:54	DRL
Nickel	14	0.70	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:41	QNW
Selenium	ND	3.5	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:41	QNW
Silver	ND	0.35	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:41	QNW
Thallium	ND	1.7	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:41	QNW
Vanadium	9.1	0.70	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:41	QNW
Zinc	34	0.70	mg/Kg dry	1		SW-846 6010D	11/15/21	11/16/21 18:41	QNW

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-226 (0-6) | Sampled: 11/11/2021 15:10

Sample ID: 21K0885-25

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.7		% Wt	1		SM 2540G	11/20/21	11/21/21 10:23	CV
Ignitability	Absent		present/absent	1		SW-846 1030	11/14/21	11/14/21 15:34	YR
pH @19.5°C	8.5		pH Units	1	H-09	SW-846 9045C	11/12/21	11/12/21 18:00	MMH
Reactive Cyanide	ND	3.9	mg/Kg	1		SW-846 9014	11/19/21	11/21/21 11:13	YR
Reactive Sulfide	ND	20	mg/Kg	1		SW-846 9030A	11/19/21	11/21/21 9:59	YR
Specific conductance	9.3	2.0	µmhos/cm	1		SM21-23 2510B Modified	11/15/21	11/15/21 14:00	EC

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-226 (0-6) | Sampled: 11/11/2021 15:10

Sample ID: 21K0885-25

Sample Matrix: Soil

Miscellaneous Organic Analyses

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
See Attached Subcontracted Report	-			ng/kg	1		SW-846 8290A	11/17/21	11/25/21 5:48	PMN

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-227 (6-7) | Sampled: 11/11/2021 16:00

Sample ID: 21K0885-26

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:12	TG
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:12	TG
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:12	TG
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:12	TG
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:12	TG
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:12	TG
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:12	TG
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:12	TG
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:12	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		11/17/21 21:12
Decachlorobiphenyl [2]	91.3	30-150		11/17/21 21:12
Tetrachloro-m-xylene [1]	76.0	30-150		11/17/21 21:12
Tetrachloro-m-xylene [2]	59.6	30-150		11/17/21 21:12

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-227 (6-7) | Sampled: 11/11/2021 16:00

Sample ID: 21K0885-26

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.7		% Wt	1		SM 2540G	11/20/21	11/21/21 10:23	CV

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-227 (7-9) | Sampled: 11/11/2021 16:00

Sample ID: 21K0885-27

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:30	TG
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:30	TG
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:30	TG
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:30	TG
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:30	TG
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:30	TG
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:30	TG
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:30	TG
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:30	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		11/17/21 21:30
Decachlorobiphenyl [2]	95.9	30-150		11/17/21 21:30
Tetrachloro-m-xylene [1]	85.3	30-150		11/17/21 21:30
Tetrachloro-m-xylene [2]	66.8	30-150		11/17/21 21:30

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-227 (7-9) | Sampled: 11/11/2021 16:00

Sample ID: 21K0885-27

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.8		% Wt	1		SM 2540G	11/20/21	11/21/21 10:23	CV

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-227 (9-16) | Sampled: 11/11/2021 16:00

Sample ID: 21K0885-28

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:47	TG
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:47	TG
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:47	TG
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:47	TG
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:47	TG
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:47	TG
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:47	TG
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:47	TG
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/16/21	11/17/21 21:47	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	109	30-150		11/17/21 21:47
Decachlorobiphenyl [2]	96.4	30-150		11/17/21 21:47
Tetrachloro-m-xylene [1]	85.5	30-150		11/17/21 21:47
Tetrachloro-m-xylene [2]	67.3	30-150		11/17/21 21:47

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-227 (9-16) | Sampled: 11/11/2021 16:00

Sample ID: 21K0885-28

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.3		% Wt	1		SM 2540G	11/20/21	11/21/21 10:23	CV

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-229 (4-13) | Sampled: 11/11/2021 12:00

Sample ID: 21K0885-29

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.0	mg/Kg dry	80		SW-846 8082A	11/16/21	11/18/21 9:47	TG
Aroclor-1221 [1]	ND	2.0	mg/Kg dry	80		SW-846 8082A	11/16/21	11/18/21 9:47	TG
Aroclor-1232 [1]	ND	2.0	mg/Kg dry	80		SW-846 8082A	11/16/21	11/18/21 9:47	TG
Aroclor-1242 [1]	ND	2.0	mg/Kg dry	80		SW-846 8082A	11/16/21	11/18/21 9:47	TG
Aroclor-1248 [1]	ND	2.0	mg/Kg dry	80		SW-846 8082A	11/16/21	11/18/21 9:47	TG
Aroclor-1254 [1]	ND	2.0	mg/Kg dry	80		SW-846 8082A	11/16/21	11/18/21 9:47	TG
Aroclor-1260 [1]	11	2.0	mg/Kg dry	80		SW-846 8082A	11/16/21	11/18/21 9:47	TG
Aroclor-1262 [1]	ND	2.0	mg/Kg dry	80		SW-846 8082A	11/16/21	11/18/21 9:47	TG
Aroclor-1268 [1]	ND	2.0	mg/Kg dry	80		SW-846 8082A	11/16/21	11/18/21 9:47	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	11/18/21 9:47
Decachlorobiphenyl [2]	*	30-150	S-01	11/18/21 9:47
Tetrachloro-m-xylene [1]	*	30-150	S-01	11/18/21 9:47
Tetrachloro-m-xylene [2]	*	30-150	S-01	11/18/21 9:47

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Project Location: Pittsfield, MA | Sample Description: | Work Order: 21K0885

Date Received: 11/12/2021

Field Sample #: WSE-229 (4-13) | Sampled: 11/11/2021 12:00

Sample ID: 21K0885-29

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.0		% Wt	1		SM 2540G	11/20/21	11/21/21 10:23	CV

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Sample Extraction Data

Prep Method: % Solids **Analytical Method: SM 2540G**

Lab Number [Field ID]	Batch	Date
21K0885-01 [WSE-236 (5-14)]	B295214	11/20/21
21K0885-02 [WSE-235 (7-8)]	B295214	11/20/21
21K0885-03 [WSE-235 (8-17)]	B295214	11/20/21
21K0885-04 [WSE-234 (7-8)]	B295214	11/20/21
21K0885-05 [WSE-234 (8-17)]	B295214	11/20/21
21K0885-06 [WSE-233 (5-6)]	B295214	11/20/21
21K0885-07 [WSE-233 (6-15)]	B295214	11/20/21
21K0885-08 [WSE-232 (0-5)]	B295214	11/20/21
21K0885-09 [WSE-232 (5-6)]	B295214	11/20/21
21K0885-10 [WSE-232 (6-15)]	B295214	11/20/21
21K0885-11 [WSE-231 (5-6)]	B295214	11/20/21
21K0885-12 [WSE-231 (6-15)]	B295214	11/20/21
21K0885-13 [WSE-230 (4-13)]	B295214	11/20/21
21K0885-14 [WSE-211 (5-7)]	B295214	11/20/21
21K0885-15 [WSE-211 (7-9)]	B295214	11/20/21
21K0885-16 [WSE-211 (9-10)]	B295214	11/20/21
21K0885-17 [WSE-228 (0-4)]	B295214	11/20/21
21K0885-18 [WSE-228 (4-10)]	B295214	11/20/21
21K0885-19 [WSE-228 (10-14)]	B295214	11/20/21
21K0885-20 [WSE-209 (5-7)]	B295214	11/20/21
21K0885-21 [WSE-207 (5-7)]	B295214	11/20/21
21K0885-22 [WSE-226 (6-7)]	B295214	11/20/21
21K0885-23 [WSE-226 (7-9)]	B295214	11/20/21
21K0885-24 [WSE-226 (9-16)]	B295214	11/20/21
21K0885-25 [WSE-226 (0-6)]	B295214	11/20/21
21K0885-26 [WSE-227 (6-7)]	B295214	11/20/21
21K0885-27 [WSE-227 (7-9)]	B295214	11/20/21
21K0885-28 [WSE-227 (9-16)]	B295214	11/20/21
21K0885-29 [WSE-229 (4-13)]	B295214	11/20/21

SM21-23 2510B Modified

Lab Number [Field ID]	Batch	Initial [g]	Date
21K0885-08 [WSE-232 (0-5)]	B294675	1.00	11/15/21
21K0885-17 [WSE-228 (0-4)]	B294675	1.00	11/15/21
21K0885-25 [WSE-226 (0-6)]	B294675	1.00	11/15/21

SW-846 1030

Lab Number [Field ID]	Batch	Initial [g]	Date
21K0885-08 [WSE-232 (0-5)]	B294646	50.0	11/14/21
21K0885-17 [WSE-228 (0-4)]	B294646	50.0	11/14/21
21K0885-25 [WSE-226 (0-6)]	B294646	50.0	11/14/21

Prep Method: SW-846 3050B **Analytical Method: SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21K0885-08 [WSE-232 (0-5)]	B294719	1.56	50.0	11/15/21
21K0885-17 [WSE-228 (0-4)]	B294719	1.56	50.0	11/15/21
21K0885-25 [WSE-226 (0-6)]	B294719	1.53	50.0	11/15/21

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Sample Extraction Data

Prep Method: SW-846 7471 **Analytical Method: SW-846 7471B**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21K0885-08 [WSE-232 (0-5)]	B294689	0.534	50.0	11/15/21
21K0885-17 [WSE-228 (0-4)]	B294689	0.595	50.0	11/15/21
21K0885-25 [WSE-226 (0-6)]	B294689	0.592	50.0	11/15/21

Prep Method: SW-846 3546 **Analytical Method: SW-846 8081B**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21K0885-08 [WSE-232 (0-5)]	B294677	10.0	10.0	11/15/21
21K0885-17 [WSE-228 (0-4)]	B294677	10.0	10.0	11/15/21
21K0885-25 [WSE-226 (0-6)]	B294677	10.0	10.0	11/15/21

Prep Method: SW-846 3540C **Analytical Method: SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21K0885-01 [WSE-236 (5-14)]	B294658	10.0	10.0	11/15/21
21K0885-02 [WSE-235 (7-8)]	B294658	10.0	10.0	11/15/21
21K0885-03 [WSE-235 (8-17)]	B294658	10.0	10.0	11/15/21
21K0885-04 [WSE-234 (7-8)]	B294658	10.0	10.0	11/15/21
21K0885-05 [WSE-234 (8-17)]	B294658	10.0	10.0	11/15/21
21K0885-06 [WSE-233 (5-6)]	B294658	10.0	10.0	11/15/21
21K0885-07 [WSE-233 (6-15)]	B294658	10.0	10.0	11/15/21
21K0885-09 [WSE-232 (5-6)]	B294658	10.0	10.0	11/15/21
21K0885-10 [WSE-232 (6-15)]	B294658	10.0	10.0	11/15/21
21K0885-11 [WSE-231 (5-6)]	B294658	10.0	10.0	11/15/21
21K0885-12 [WSE-231 (6-15)]	B294658	10.0	10.0	11/15/21
21K0885-13 [WSE-230 (4-13)]	B294658	10.0	10.0	11/15/21
21K0885-14 [WSE-211 (5-7)]	B294658	10.0	10.0	11/15/21
21K0885-15 [WSE-211 (7-9)]	B294658	10.0	10.0	11/15/21
21K0885-16 [WSE-211 (9-10)]	B294658	10.0	10.0	11/15/21
21K0885-18 [WSE-228 (4-10)]	B294658	10.0	10.0	11/15/21
21K0885-19 [WSE-228 (10-14)]	B294658	10.0	10.0	11/15/21
21K0885-20 [WSE-209 (5-7)]	B294658	10.0	10.0	11/15/21
21K0885-21 [WSE-207 (5-7)]	B294658	10.0	10.0	11/15/21
21K0885-22 [WSE-226 (6-7)]	B294658	10.0	10.0	11/15/21

Prep Method: SW-846 3540C **Analytical Method: SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21K0885-23 [WSE-226 (7-9)]	B294796	10.0	10.0	11/16/21
21K0885-24 [WSE-226 (9-16)]	B294796	10.1	10.0	11/16/21
21K0885-26 [WSE-227 (6-7)]	B294796	10.0	10.0	11/16/21
21K0885-27 [WSE-227 (7-9)]	B294796	10.3	10.0	11/16/21
21K0885-28 [WSE-227 (9-16)]	B294796	10.4	10.0	11/16/21
21K0885-29 [WSE-229 (4-13)]	B294796	10.1	10.0	11/16/21

Prep Method: SW-846 3546 **Analytical Method: SW-846 8100 Modified**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21K0885-08 [WSE-232 (0-5)]	B294582	30.0	1.00	11/12/21
21K0885-17 [WSE-228 (0-4)]	B294582	30.0	1.00	11/12/21

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Sample Extraction Data

Prep Method: SW-846 3546 **Analytical Method: SW-846 8100 Modified**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21K0885-25 [WSE-226 (0-6)]	B294582	30.0	1.00	11/12/21

Prep Method: SW-846 8151 **Analytical Method: SW-846 8151A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21K0885-08 [WSE-232 (0-5)]	B294725	20.0	5.00	11/15/21
21K0885-17 [WSE-228 (0-4)]	B294725	20.0	5.00	11/15/21
21K0885-25 [WSE-226 (0-6)]	B294725	20.0	5.00	11/15/21

Prep Method: SW-846 5035 **Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21K0885-08 [WSE-232 (0-5)]	B294717	6.84	10.0	11/15/21
21K0885-17 [WSE-228 (0-4)]	B294717	7.44	10.0	11/15/21
21K0885-25 [WSE-226 (0-6)]	B294717	7.03	10.0	11/15/21

Prep Method: SW-846 3546 **Analytical Method: SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21K0885-08RE1 [WSE-232 (0-5)]	B294739	30.0	1.00	11/15/21
21K0885-17RE1 [WSE-228 (0-4)]	B294739	30.0	1.00	11/15/21
21K0885-25RE1 [WSE-226 (0-6)]	B294739	30.0	1.00	11/15/21

SW-846 9014

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21K0885-08 [WSE-232 (0-5)]	B294626	25.7	250	11/13/21
21K0885-17 [WSE-228 (0-4)]	B294626	25.5	250	11/13/21

SW-846 9014

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21K0885-25 [WSE-226 (0-6)]	B295113	25.3	250	11/19/21

SW-846 9030A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21K0885-08 [WSE-232 (0-5)]	B294628	25.7	250	11/13/21
21K0885-17 [WSE-228 (0-4)]	B294628	25.5	250	11/13/21

SW-846 9030A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21K0885-25 [WSE-226 (0-6)]	B295116	25.3	250	11/19/21

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Sample Extraction Data

SW-846 9045C

Lab Number [Field ID]	Batch	Initial [g]	Date
21K0885-08 [WSE-232 (0-5)]	B294587	20.0	11/12/21
21K0885-17 [WSE-228 (0-4)]	B294587	20.0	11/12/21
21K0885-25 [WSE-226 (0-6)]	B294587	20.0	11/12/21

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B294717 - SW-846 5035										
Blank (B294717-BLK1)				Prepared & Analyzed: 11/15/21						
Acetone	ND	0.10	mg/Kg wet							
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromochloromethane	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							V-34
2-Butanone (MEK)	ND	0.040	mg/Kg wet							
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet							
Carbon Disulfide	ND	0.010	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Diethyl Ether	ND	0.020	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet							
1,4-Dioxane	ND	0.10	mg/Kg wet							V-05
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B294717 - SW-846 5035											
Blank (B294717-BLK1)				Prepared & Analyzed: 11/15/21							
n-Propylbenzene	ND	0.0020	mg/Kg wet								
Styrene	ND	0.0020	mg/Kg wet								
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet								
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet								
Tetrachloroethylene	ND	0.0020	mg/Kg wet								
Tetrahydrofuran	ND	0.010	mg/Kg wet							V-05	
Toluene	ND	0.0020	mg/Kg wet								
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet								
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet								
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet								
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet								
Trichloroethylene	ND	0.0020	mg/Kg wet								
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet								
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet								
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet								
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet								
Vinyl Chloride	ND	0.010	mg/Kg wet								
m+p Xylene	ND	0.0040	mg/Kg wet								
o-Xylene	ND	0.0020	mg/Kg wet								
Surrogate: 1,2-Dichloroethane-d4	*0.0496*		mg/Kg wet	0.0500		99.1	70-130				
Surrogate: Toluene-d8	*0.0492*		mg/Kg wet	0.0500		98.4	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0512*		mg/Kg wet	0.0500		102	70-130				
LCS (B294717-BS1)				Prepared & Analyzed: 11/15/21							
Acetone	0.188	0.10	mg/Kg wet	0.200		94.1	40-160			V-35	†
tert-Amyl Methyl Ether (TAME)	0.0171	0.0010	mg/Kg wet	0.0200		85.3	70-130				
Benzene	0.0193	0.0020	mg/Kg wet	0.0200		96.3	70-130				
Bromobenzene	0.0219	0.0020	mg/Kg wet	0.0200		109	70-130				
Bromochloromethane	0.0193	0.0020	mg/Kg wet	0.0200		96.5	70-130				
Bromodichloromethane	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130				
Bromoform	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130				
Bromomethane	0.0304	0.010	mg/Kg wet	0.0200		152	40-160			L-14, V-20, V-34	†
2-Butanone (MEK)	0.184	0.040	mg/Kg wet	0.200		92.2	40-160				†
n-Butylbenzene	0.0198	0.0020	mg/Kg wet	0.0200		98.9	70-130				
sec-Butylbenzene	0.0200	0.0020	mg/Kg wet	0.0200		99.8	70-130				
tert-Butylbenzene	0.0195	0.0020	mg/Kg wet	0.0200		97.7	70-130				
tert-Butyl Ethyl Ether (TBEE)	0.0162	0.0010	mg/Kg wet	0.0200		81.1	70-130				
Carbon Disulfide	0.218	0.010	mg/Kg wet	0.200		109	70-130				
Carbon Tetrachloride	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130				
Chlorobenzene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130				
Chlorodibromomethane	0.0210	0.0010	mg/Kg wet	0.0200		105	70-130				
Chloroethane	0.0252	0.020	mg/Kg wet	0.0200		126	70-130			V-20	
Chloroform	0.0204	0.0040	mg/Kg wet	0.0200		102	70-130				
Chloromethane	0.0192	0.010	mg/Kg wet	0.0200		96.1	40-160				†
2-Chlorotoluene	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130				
4-Chlorotoluene	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	0.0164	0.0020	mg/Kg wet	0.0200		82.1	70-130				
1,2-Dibromoethane (EDB)	0.0201	0.0010	mg/Kg wet	0.0200		100	70-130				
Dibromomethane	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130				
1,2-Dichlorobenzene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130				
1,3-Dichlorobenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.6	70-130				
1,4-Dichlorobenzene	0.0190	0.0020	mg/Kg wet	0.0200		95.1	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B294717 - SW-846 5035												
LCS (B294717-BS1)				Prepared & Analyzed: 11/15/21								
Dichlorodifluoromethane (Freon 12)	0.0184	0.020	mg/Kg wet	0.0200		91.9		40-160				†
1,1-Dichloroethane	0.0194	0.0020	mg/Kg wet	0.0200		96.9		70-130				
1,2-Dichloroethane	0.0197	0.0020	mg/Kg wet	0.0200		98.4		70-130				
1,1-Dichloroethylene	0.0210	0.0040	mg/Kg wet	0.0200		105		70-130				
cis-1,2-Dichloroethylene	0.0211	0.0020	mg/Kg wet	0.0200		105		70-130				
trans-1,2-Dichloroethylene	0.0206	0.0020	mg/Kg wet	0.0200		103		70-130				
1,2-Dichloropropane	0.0198	0.0020	mg/Kg wet	0.0200		99.0		70-130				
1,3-Dichloropropane	0.0200	0.0010	mg/Kg wet	0.0200		100		70-130				
2,2-Dichloropropane	0.0218	0.0020	mg/Kg wet	0.0200		109		70-130				
1,1-Dichloropropene	0.0197	0.0020	mg/Kg wet	0.0200		98.6		70-130				
cis-1,3-Dichloropropene	0.0199	0.0010	mg/Kg wet	0.0200		99.5		70-130				
trans-1,3-Dichloropropene	0.0168	0.0010	mg/Kg wet	0.0200		84.2		70-130				
Diethyl Ether	0.0197	0.020	mg/Kg wet	0.0200		98.5		70-130				
Diisopropyl Ether (DIPE)	0.0185	0.0010	mg/Kg wet	0.0200		92.6		70-130				
1,4-Dioxane	0.150	0.10	mg/Kg wet	0.200		75.1		40-160			V-05	†
Ethylbenzene	0.0216	0.0020	mg/Kg wet	0.0200		108		70-130				
Hexachlorobutadiene	0.0198	0.0020	mg/Kg wet	0.0200		98.8		70-130				
2-Hexanone (MBK)	0.200	0.020	mg/Kg wet	0.200		100		40-160			V-35	†
Isopropylbenzene (Cumene)	0.0217	0.0020	mg/Kg wet	0.0200		109		70-130				
p-Isopropyltoluene (p-Cymene)	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130				
Methyl tert-Butyl Ether (MTBE)	0.0191	0.0040	mg/Kg wet	0.0200		95.7		70-130				
Methylene Chloride	0.0190	0.020	mg/Kg wet	0.0200		95.2		70-130				
4-Methyl-2-pentanone (MIBK)	0.199	0.020	mg/Kg wet	0.200		99.4		40-160				†
Naphthalene	0.0178	0.0040	mg/Kg wet	0.0200		89.0		70-130				
n-Propylbenzene	0.0226	0.0020	mg/Kg wet	0.0200		113		70-130				
Styrene	0.0216	0.0020	mg/Kg wet	0.0200		108		70-130				
1,1,1,2-Tetrachloroethane	0.0205	0.0020	mg/Kg wet	0.0200		102		70-130				
1,1,2,2-Tetrachloroethane	0.0193	0.0010	mg/Kg wet	0.0200		96.5		70-130				
Tetrachloroethylene	0.0213	0.0020	mg/Kg wet	0.0200		106		70-130				
Tetrahydrofuran	0.0158	0.010	mg/Kg wet	0.0200		78.9		70-130			V-05	
Toluene	0.0192	0.0020	mg/Kg wet	0.0200		96.1		70-130				
1,2,3-Trichlorobenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.7		70-130				
1,2,4-Trichlorobenzene	0.0192	0.0020	mg/Kg wet	0.0200		95.9		70-130				
1,1,1-Trichloroethane	0.0214	0.0020	mg/Kg wet	0.0200		107		70-130				
1,1,2-Trichloroethane	0.0196	0.0020	mg/Kg wet	0.0200		97.8		70-130				
Trichloroethylene	0.0199	0.0020	mg/Kg wet	0.0200		99.6		70-130				
Trichlorofluoromethane (Freon 11)	0.0267	0.010	mg/Kg wet	0.0200		**134**	*	70-130			L-02, V-20	
1,2,3-Trichloropropane	0.0165	0.0020	mg/Kg wet	0.0200		82.5		70-130				
1,2,4-Trimethylbenzene	0.0194	0.0020	mg/Kg wet	0.0200		97.1		70-130				
1,3,5-Trimethylbenzene	0.0224	0.0020	mg/Kg wet	0.0200		112		70-130				
Vinyl Chloride	0.0225	0.010	mg/Kg wet	0.0200		112		70-130				
m+p Xylene	0.0450	0.0040	mg/Kg wet	0.0400		112		70-130				
o-Xylene	0.0221	0.0020	mg/Kg wet	0.0200		111		70-130				
Surrogate: 1,2-Dichloroethane-d4	*0.0500*		mg/Kg wet	0.0500		100		70-130				
Surrogate: Toluene-d8	*0.0515*		mg/Kg wet	0.0500		103		70-130				
Surrogate: 4-Bromofluorobenzene	*0.0516*		mg/Kg wet	0.0500		103		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B294717 - SW-846 5035											
LCS Dup (B294717-BSD1)				Prepared & Analyzed: 11/15/21							
Acetone	0.206	0.10	mg/Kg wet	0.200		103	40-160	8.82	20	V-35	†
tert-Amyl Methyl Ether (TAME)	0.0175	0.0010	mg/Kg wet	0.0200		87.5	70-130	2.55	20		
Benzene	0.0194	0.0020	mg/Kg wet	0.0200		97.2	70-130	0.930	20		
Bromobenzene	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130	1.75	20		
Bromochloromethane	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	6.32	20		
Bromodichloromethane	0.0198	0.0020	mg/Kg wet	0.0200		99.2	70-130	3.66	20		
Bromoform	0.0198	0.0020	mg/Kg wet	0.0200		99.2	70-130	1.30	20		
Bromomethane	0.0287	0.010	mg/Kg wet	0.0200		144	40-160	5.75	20	L-14, V-20, V-34	†
2-Butanone (MEK)	0.192	0.040	mg/Kg wet	0.200		95.9	40-160	3.90	20		†
n-Butylbenzene	0.0186	0.0020	mg/Kg wet	0.0200		93.2	70-130	5.93	20		
sec-Butylbenzene	0.0190	0.0020	mg/Kg wet	0.0200		95.1	70-130	4.82	20		
tert-Butylbenzene	0.0185	0.0020	mg/Kg wet	0.0200		92.3	70-130	5.68	20		
tert-Butyl Ethyl Ether (TBEE)	0.0166	0.0010	mg/Kg wet	0.0200		83.1	70-130	2.44	20		
Carbon Disulfide	0.215	0.010	mg/Kg wet	0.200		108	70-130	1.11	20		
Carbon Tetrachloride	0.0219	0.0020	mg/Kg wet	0.0200		109	70-130	0.183	20		
Chlorobenzene	0.0195	0.0020	mg/Kg wet	0.0200		97.5	70-130	4.32	20		
Chlorodibromomethane	0.0205	0.0010	mg/Kg wet	0.0200		103	70-130	2.02	20		
Chloroethane	0.0254	0.020	mg/Kg wet	0.0200		127	70-130	0.789	20	V-20	
Chloroform	0.0205	0.0040	mg/Kg wet	0.0200		102	70-130	0.489	20		
Chloromethane	0.0197	0.010	mg/Kg wet	0.0200		98.3	40-160	2.26	20		†
2-Chlorotoluene	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130	6.90	20		
4-Chlorotoluene	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130	3.15	20		
1,2-Dibromo-3-chloropropane (DBCP)	0.0174	0.0020	mg/Kg wet	0.0200		86.9	70-130	5.68	20		
1,2-Dibromoethane (EDB)	0.0199	0.0010	mg/Kg wet	0.0200		99.5	70-130	0.801	20		
Dibromomethane	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130	1.58	20		
1,2-Dichlorobenzene	0.0198	0.0020	mg/Kg wet	0.0200		99.0	70-130	2.30	20		
1,3-Dichlorobenzene	0.0193	0.0020	mg/Kg wet	0.0200		96.5	70-130	3.16	20		
1,4-Dichlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.5	70-130	3.86	20		
Dichlorodifluoromethane (Freon 12)	0.0184	0.020	mg/Kg wet	0.0200		92.0	40-160	0.109	20		†
1,1-Dichloroethane	0.0196	0.0020	mg/Kg wet	0.0200		97.8	70-130	0.925	20		
1,2-Dichloroethane	0.0193	0.0020	mg/Kg wet	0.0200		96.6	70-130	1.85	20		
1,1-Dichloroethylene	0.0209	0.0040	mg/Kg wet	0.0200		104	70-130	0.573	20		
cis-1,2-Dichloroethylene	0.0217	0.0020	mg/Kg wet	0.0200		108	70-130	2.81	20		
trans-1,2-Dichloroethylene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	0.194	20		
1,2-Dichloropropane	0.0186	0.0020	mg/Kg wet	0.0200		92.8	70-130	6.47	20		
1,3-Dichloropropane	0.0194	0.0010	mg/Kg wet	0.0200		97.0	70-130	3.25	20		
2,2-Dichloropropane	0.0219	0.0020	mg/Kg wet	0.0200		110	70-130	0.641	20		
1,1-Dichloropropene	0.0194	0.0020	mg/Kg wet	0.0200		96.9	70-130	1.74	20		
cis-1,3-Dichloropropene	0.0193	0.0010	mg/Kg wet	0.0200		96.4	70-130	3.16	20		
trans-1,3-Dichloropropene	0.0166	0.0010	mg/Kg wet	0.0200		83.2	70-130	1.19	20		
Diethyl Ether	0.0199	0.020	mg/Kg wet	0.0200		99.4	70-130	0.910	20		
Diisopropyl Ether (DIPE)	0.0189	0.0010	mg/Kg wet	0.0200		94.3	70-130	1.82	20		
1,4-Dioxane	0.147	0.10	mg/Kg wet	0.200		73.6	40-160	1.96	20	V-05	†
Ethylbenzene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	4.75	20		
Hexachlorobutadiene	0.0191	0.0020	mg/Kg wet	0.0200		95.7	70-130	3.19	20		
2-Hexanone (MBK)	0.198	0.020	mg/Kg wet	0.200		99.1	40-160	0.964	20	V-35	†
Isopropylbenzene (Cumene)	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130	5.78	20		
p-Isopropyltoluene (p-Cymene)	0.0197	0.0020	mg/Kg wet	0.0200		98.7	70-130	5.13	20		
Methyl tert-Butyl Ether (MTBE)	0.0199	0.0040	mg/Kg wet	0.0200		99.4	70-130	3.79	20		
Methylene Chloride	0.0194	0.020	mg/Kg wet	0.0200		97.2	70-130	2.08	20		
4-Methyl-2-pentanone (MIBK)	0.200	0.020	mg/Kg wet	0.200		99.9	40-160	0.411	20		†
Naphthalene	0.0184	0.0040	mg/Kg wet	0.0200		91.9	70-130	3.21	20		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B294717 - SW-846 5035											
LCS Dup (B294717-BSD1)				Prepared & Analyzed: 11/15/21							
n-Propylbenzene	0.0216	0.0020	mg/Kg wet	0.0200		108		70-130	4.71	20	
Styrene	0.0211	0.0020	mg/Kg wet	0.0200		105		70-130	2.62	20	
1,1,1,2-Tetrachloroethane	0.0197	0.0020	mg/Kg wet	0.0200		98.6		70-130	3.68	20	
1,1,2,2-Tetrachloroethane	0.0193	0.0010	mg/Kg wet	0.0200		96.4		70-130	0.104	20	
Tetrachloroethylene	0.0205	0.0020	mg/Kg wet	0.0200		103		70-130	3.54	20	
Tetrahydrofuran	0.0159	0.010	mg/Kg wet	0.0200		79.4		70-130	0.632	20	V-05
Toluene	0.0179	0.0020	mg/Kg wet	0.0200		89.5		70-130	7.11	20	
1,2,3-Trichlorobenzene	0.0202	0.0020	mg/Kg wet	0.0200		101		70-130	1.10	20	
1,2,4-Trichlorobenzene	0.0190	0.0020	mg/Kg wet	0.0200		95.0		70-130	0.943	20	
1,1,1-Trichloroethane	0.0215	0.0020	mg/Kg wet	0.0200		107		70-130	0.560	20	
1,1,2-Trichloroethane	0.0194	0.0020	mg/Kg wet	0.0200		97.0		70-130	0.821	20	
Trichloroethylene	0.0190	0.0020	mg/Kg wet	0.0200		95.2		70-130	4.52	20	
Trichlorofluoromethane (Freon 11)	0.0270	0.010	mg/Kg wet	0.0200		**135**	*	70-130	1.12	20	L-02, V-20
1,2,3-Trichloropropane	0.0162	0.0020	mg/Kg wet	0.0200		80.8		70-130	2.08	20	
1,2,4-Trimethylbenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.7		70-130	5.72	20	
1,3,5-Trimethylbenzene	0.0209	0.0020	mg/Kg wet	0.0200		105		70-130	6.56	20	
Vinyl Chloride	0.0225	0.010	mg/Kg wet	0.0200		112		70-130	0.0889	20	
m+p Xylene	0.0426	0.0040	mg/Kg wet	0.0400		106		70-130	5.57	20	
o-Xylene	0.0211	0.0020	mg/Kg wet	0.0200		105		70-130	5.00	20	
Surrogate: 1,2-Dichloroethane-d4	*0.0522*		mg/Kg wet	0.0500		104		70-130			
Surrogate: Toluene-d8	*0.0503*		mg/Kg wet	0.0500		101		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0519*		mg/Kg wet	0.0500		104		70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B294739 - SW-846 3546										
Blank (B294739-BLK1)				Prepared: 11/15/21 Analyzed: 11/16/21						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Acetophenone	ND	0.34	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.34	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							V-20
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet							L-04
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet							L-04
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet							L-04
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
1,2-Diphenylhydrazine/Azobenzene	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							L-04
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							
4-Nitrophenol	ND	0.66	mg/Kg wet							
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B294739 - SW-846 3546												
Blank (B294739-BLK1)				Prepared: 11/15/21 Analyzed: 11/16/21								
Phenol	ND	0.34	mg/Kg wet									
Pyrene	ND	0.17	mg/Kg wet									
Pyridine	ND	0.34	mg/Kg wet								L-04	
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet									
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet									
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet									
Surrogate: 2-Fluorophenol	*2.47*		mg/Kg wet	6.67		37.0		30-130				
Surrogate: Phenol-d6	*2.76*		mg/Kg wet	6.67		41.3		30-130				
Surrogate: Nitrobenzene-d5	*1.04*		mg/Kg wet	3.33		31.1		30-130				
Surrogate: 2-Fluorobiphenyl	*1.22*		mg/Kg wet	3.33		36.7		30-130				
Surrogate: 2,4,6-Tribromophenol	*3.66*		mg/Kg wet	6.67		54.9		30-130				
Surrogate: p-Terphenyl-d14	*1.94*		mg/Kg wet	3.33		58.1		30-130				
LCS (B294739-BS1)				Prepared: 11/15/21 Analyzed: 11/16/21								
Acenaphthene	0.826	0.17	mg/Kg wet	1.67		49.5		40-140				
Acenaphthylene	0.868	0.17	mg/Kg wet	1.67		52.1		40-140				
Acetophenone	0.768	0.34	mg/Kg wet	1.67		46.1		40-140				
Aniline	0.859	0.34	mg/Kg wet	1.67		51.6		40-140				
Anthracene	0.944	0.17	mg/Kg wet	1.67		56.6		40-140				
Benzo(a)anthracene	0.919	0.17	mg/Kg wet	1.67		55.1		40-140				
Benzo(a)pyrene	0.995	0.17	mg/Kg wet	1.67		59.7		40-140				
Benzo(b)fluoranthene	0.967	0.17	mg/Kg wet	1.67		58.0		40-140				
Benzo(g,h,i)perylene	0.976	0.17	mg/Kg wet	1.67		58.6		40-140				
Benzo(k)fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.4		40-140				
Bis(2-chloroethoxy)methane	0.836	0.34	mg/Kg wet	1.67		50.1		40-140				
Bis(2-chloroethyl)ether	0.759	0.34	mg/Kg wet	1.67		45.5		40-140				
Bis(2-chloroisopropyl)ether	0.908	0.34	mg/Kg wet	1.67		54.5		40-140				
Bis(2-Ethylhexyl)phthalate	1.08	0.34	mg/Kg wet	1.67		64.5		40-140				
4-Bromophenylphenylether	0.847	0.34	mg/Kg wet	1.67		50.8		40-140				
Butylbenzylphthalate	1.02	0.34	mg/Kg wet	1.67		61.4		40-140				
4-Chloroaniline	0.844	0.66	mg/Kg wet	1.67		50.6		15-140			V-06	†
2-Chloronaphthalene	0.707	0.34	mg/Kg wet	1.67		42.4		40-140				
2-Chlorophenol	0.708	0.34	mg/Kg wet	1.67		42.5		30-130				
Chrysene	0.993	0.17	mg/Kg wet	1.67		59.6		40-140				
Dibenz(a,h)anthracene	1.01	0.17	mg/Kg wet	1.67		60.9		40-140				
Dibenzofuran	0.905	0.34	mg/Kg wet	1.67		54.3		40-140				
Di-n-butylphthalate	0.980	0.34	mg/Kg wet	1.67		58.8		40-140				
1,2-Dichlorobenzene	0.588	0.34	mg/Kg wet	1.67		**35.3**	*	40-140			L-04	
1,3-Dichlorobenzene	0.571	0.34	mg/Kg wet	1.67		**34.3**	*	40-140			L-04	
1,4-Dichlorobenzene	0.597	0.34	mg/Kg wet	1.67		**35.8**	*	40-140			L-04	
3,3-Dichlorobenzidine	1.02	0.17	mg/Kg wet	1.67		60.9		40-140				
2,4-Dichlorophenol	0.762	0.34	mg/Kg wet	1.67		45.7		30-130				
Diethylphthalate	0.894	0.34	mg/Kg wet	1.67		53.6		40-140				
2,4-Dimethylphenol	0.796	0.34	mg/Kg wet	1.67		47.7		30-130				
Dimethylphthalate	0.859	0.34	mg/Kg wet	1.67		51.5		40-140				
2,4-Dinitrophenol	0.814	0.66	mg/Kg wet	1.67		48.8		15-140				†
2,4-Dinitrotoluene	0.945	0.34	mg/Kg wet	1.67		56.7		40-140				
2,6-Dinitrotoluene	0.920	0.34	mg/Kg wet	1.67		55.2		40-140				
Di-n-octylphthalate	1.06	0.34	mg/Kg wet	1.67		63.3		40-140				
1,2-Diphenylhydrazine/Azobenzene	1.13	0.34	mg/Kg wet	1.67		67.7		40-140				
Fluoranthene	0.927	0.17	mg/Kg wet	1.67		55.6		40-140				
Fluorene	0.883	0.17	mg/Kg wet	1.67		53.0		40-140				

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B294739 - SW-846 3546												
LCS (B294739-BS1)				Prepared: 11/15/21 Analyzed: 11/16/21								
Hexachlorobenzene	0.914	0.34	mg/Kg wet	1.67		54.8		40-140				
Hexachlorobutadiene	0.630	0.34	mg/Kg wet	1.67		**37.8**	*	40-140			L-04	
Hexachloroethane	0.637	0.34	mg/Kg wet	1.67		**38.2**	*	40-140			L-07	
Indeno(1,2,3-cd)pyrene	1.02	0.17	mg/Kg wet	1.67		60.9		40-140				
Isophorone	0.930	0.34	mg/Kg wet	1.67		55.8		40-140				
2-Methylnaphthalene	0.888	0.17	mg/Kg wet	1.67		53.3		40-140				
2-Methylphenol	0.847	0.34	mg/Kg wet	1.67		50.8		30-130				
3/4-Methylphenol	0.882	0.34	mg/Kg wet	1.67		52.9		30-130				
Naphthalene	0.736	0.17	mg/Kg wet	1.67		44.1		40-140				
Nitrobenzene	0.783	0.34	mg/Kg wet	1.67		47.0		40-140				
2-Nitrophenol	0.697	0.34	mg/Kg wet	1.67		41.8		30-130				
4-Nitrophenol	0.921	0.66	mg/Kg wet	1.67		55.3		15-140				†
Pentachlorophenol	0.752	0.34	mg/Kg wet	1.67		45.1		30-130				
Phenanthrene	0.937	0.17	mg/Kg wet	1.67		56.2		40-140				
Phenol	0.780	0.34	mg/Kg wet	1.67		46.8		15-140				†
Pyrene	0.948	0.17	mg/Kg wet	1.67		56.9		40-140				
Pyridine	0.376	0.34	mg/Kg wet	1.67		**22.6**	*	30-140			L-04	†
1,2,4-Trichlorobenzene	0.671	0.34	mg/Kg wet	1.67		40.3		40-140				
2,4,5-Trichlorophenol	0.850	0.34	mg/Kg wet	1.67		51.0		30-130				
2,4,6-Trichlorophenol	0.788	0.34	mg/Kg wet	1.67		47.3		30-130				
Surrogate: 2-Fluorophenol	*3.22*		mg/Kg wet	6.67		48.2		30-130				
Surrogate: Phenol-d6	*3.71*		mg/Kg wet	6.67		55.6		30-130				
Surrogate: Nitrobenzene-d5	*1.42*		mg/Kg wet	3.33		42.6		30-130				
Surrogate: 2-Fluorobiphenyl	*1.57*		mg/Kg wet	3.33		47.1		30-130				
Surrogate: 2,4,6-Tribromophenol	*3.99*		mg/Kg wet	6.67		59.8		30-130				
Surrogate: p-Terphenyl-d14	*1.88*		mg/Kg wet	3.33		56.4		30-130				
LCS Dup (B294739-BSD1)				Prepared: 11/15/21 Analyzed: 11/16/21								
Acenaphthene	0.765	0.17	mg/Kg wet	1.67		45.9		40-140	7.67	30		
Acenaphthylene	0.799	0.17	mg/Kg wet	1.67		47.9		40-140	8.24	30		
Acetophenone	0.739	0.34	mg/Kg wet	1.67		44.3		40-140	3.94	30		
Aniline	0.695	0.34	mg/Kg wet	1.67		41.7		40-140	21.2	30		
Anthracene	0.830	0.17	mg/Kg wet	1.67		49.8		40-140	12.8	30		
Benzo(a)anthracene	0.828	0.17	mg/Kg wet	1.67		49.7		40-140	10.4	30		
Benzo(a)pyrene	0.885	0.17	mg/Kg wet	1.67		53.1		40-140	11.7	30		
Benzo(b)fluoranthene	0.870	0.17	mg/Kg wet	1.67		52.2		40-140	10.5	30		
Benzo(g,h,i)perylene	0.858	0.17	mg/Kg wet	1.67		51.5		40-140	12.9	30		
Benzo(k)fluoranthene	0.923	0.17	mg/Kg wet	1.67		55.4		40-140	11.9	30		
Bis(2-chloroethoxy)methane	0.783	0.34	mg/Kg wet	1.67		47.0		40-140	6.51	30		
Bis(2-chloroethyl)ether	0.774	0.34	mg/Kg wet	1.67		46.4		40-140	2.00	30		
Bis(2-chloroisopropyl)ether	0.919	0.34	mg/Kg wet	1.67		55.1		40-140	1.24	30		
Bis(2-Ethylhexyl)phthalate	1.00	0.34	mg/Kg wet	1.67		60.3		40-140	6.79	30		
4-Bromophenylphenylether	0.760	0.34	mg/Kg wet	1.67		45.6		40-140	10.8	30		
Butylbenzylphthalate	0.934	0.34	mg/Kg wet	1.67		56.0		40-140	9.13	30		
4-Chloroaniline	0.696	0.66	mg/Kg wet	1.67		41.8		15-140	19.2	30	V-06	†
2-Chloronaphthalene	0.641	0.34	mg/Kg wet	1.67		**38.5**	*	40-140	9.74	30	L-07	
2-Chlorophenol	0.681	0.34	mg/Kg wet	1.67		40.9		30-130	3.79	30		
Chrysene	0.872	0.17	mg/Kg wet	1.67		52.3		40-140	13.0	30		
Dibenz(a,h)anthracene	0.886	0.17	mg/Kg wet	1.67		53.2		40-140	13.5	30		
Dibenzofuran	0.836	0.34	mg/Kg wet	1.67		50.1		40-140	8.00	30		
Di-n-butylphthalate	0.894	0.34	mg/Kg wet	1.67		53.7		40-140	9.11	30		
1,2-Dichlorobenzene	0.643	0.34	mg/Kg wet	1.67		**38.6**	*	40-140	8.93	30	L-04	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B294739 - SW-846 3546												
LCS Dup (B294739-BSD1)				Prepared: 11/15/21 Analyzed: 11/16/21								
1,3-Dichlorobenzene	0.624	0.34	mg/Kg wet	1.67		**37.5**	*	40-140	8.92	30	L-04	
1,4-Dichlorobenzene	0.620	0.34	mg/Kg wet	1.67		**37.2**	*	40-140	3.83	30	L-04	
3,3-Dichlorobenzidine	0.814	0.17	mg/Kg wet	1.67		48.8		40-140	22.0	30		
2,4-Dichlorophenol	0.693	0.34	mg/Kg wet	1.67		41.6		30-130	9.49	30		
Diethylphthalate	0.823	0.34	mg/Kg wet	1.67		49.4		40-140	8.27	30		
2,4-Dimethylphenol	0.751	0.34	mg/Kg wet	1.67		45.1		30-130	5.78	30		
Dimethylphthalate	0.796	0.34	mg/Kg wet	1.67		47.8		40-140	7.61	30		
2,4-Dinitrophenol	0.760	0.66	mg/Kg wet	1.67		45.6		15-140	6.91	30		†
2,4-Dinitrotoluene	0.873	0.34	mg/Kg wet	1.67		52.4		40-140	7.92	30		
2,6-Dinitrotoluene	0.845	0.34	mg/Kg wet	1.67		50.7		40-140	8.46	30		
Di-n-octylphthalate	0.981	0.34	mg/Kg wet	1.67		58.9		40-140	7.24	30		
1,2-Diphenylhydrazine/Azobenzene	1.01	0.34	mg/Kg wet	1.67		60.8		40-140	10.7	30		
Fluoranthene	0.824	0.17	mg/Kg wet	1.67		49.5		40-140	11.7	30		
Fluorene	0.835	0.17	mg/Kg wet	1.67		50.1		40-140	5.55	30		
Hexachlorobenzene	0.818	0.34	mg/Kg wet	1.67		49.1		40-140	11.0	30		
Hexachlorobutadiene	0.645	0.34	mg/Kg wet	1.67		**38.7**	*	40-140	2.41	30	L-04	
Hexachloroethane	0.692	0.34	mg/Kg wet	1.67		41.5		40-140	8.27	30		
Indeno(1,2,3-cd)pyrene	0.891	0.17	mg/Kg wet	1.67		53.5		40-140	13.0	30		
Isophorone	0.874	0.34	mg/Kg wet	1.67		52.5		40-140	6.17	30		
2-Methylnaphthalene	0.815	0.17	mg/Kg wet	1.67		48.9		40-140	8.58	30		
2-Methylphenol	0.794	0.34	mg/Kg wet	1.67		47.6		30-130	6.54	30		
3/4-Methylphenol	0.834	0.34	mg/Kg wet	1.67		50.0		30-130	5.59	30		
Naphthalene	0.700	0.17	mg/Kg wet	1.67		42.0		40-140	5.02	30		
Nitrobenzene	0.763	0.34	mg/Kg wet	1.67		45.8		40-140	2.59	30		
2-Nitrophenol	0.645	0.34	mg/Kg wet	1.67		38.7		30-130	7.80	30		
4-Nitrophenol	0.854	0.66	mg/Kg wet	1.67		51.3		15-140	7.55	30		†
Pentachlorophenol	0.654	0.34	mg/Kg wet	1.67		39.3		30-130	13.8	30		
Phenanthrene	0.838	0.17	mg/Kg wet	1.67		50.3		40-140	11.1	30		
Phenol	0.747	0.34	mg/Kg wet	1.67		44.8		15-140	4.28	30		†
Pyrene	0.858	0.17	mg/Kg wet	1.67		51.5		40-140	9.93	30		
Pyridine	0.435	0.34	mg/Kg wet	1.67		**26.1**	*	30-140	14.5	30	L-04	†
1,2,4-Trichlorobenzene	0.643	0.34	mg/Kg wet	1.67		**38.6**	*	40-140	4.21	30	L-07	
2,4,5-Trichlorophenol	0.773	0.34	mg/Kg wet	1.67		46.4		30-130	9.45	30		
2,4,6-Trichlorophenol	0.704	0.34	mg/Kg wet	1.67		42.2		30-130	11.3	30		
Surrogate: 2-Fluorophenol	*3.23*		mg/Kg wet	6.67		48.4		30-130				
Surrogate: Phenol-d6	*3.49*		mg/Kg wet	6.67		52.3		30-130				
Surrogate: Nitrobenzene-d5	*1.37*		mg/Kg wet	3.33		41.1		30-130				
Surrogate: 2-Fluorobiphenyl	*1.43*		mg/Kg wet	3.33		43.0		30-130				
Surrogate: 2,4,6-Tribromophenol	*3.67*		mg/Kg wet	6.67		55.0		30-130				
Surrogate: p-Terphenyl-d14	*1.73*		mg/Kg wet	3.33		51.8		30-130				

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B294677 - SW-846 3546										
Blank (B294677-BLK1)				Prepared: 11/15/21 Analyzed: 11/17/21						
Aldrin	ND	0.0050	mg/Kg wet							
Aldrin [2C]	ND	0.0050	mg/Kg wet							
alpha-BHC	ND	0.0050	mg/Kg wet							
alpha-BHC [2C]	ND	0.0050	mg/Kg wet							
beta-BHC	ND	0.0050	mg/Kg wet							
beta-BHC [2C]	ND	0.0050	mg/Kg wet							
delta-BHC	ND	0.0050	mg/Kg wet							
delta-BHC [2C]	ND	0.0050	mg/Kg wet							
gamma-BHC (Lindane)	ND	0.0020	mg/Kg wet							
gamma-BHC (Lindane) [2C]	ND	0.0020	mg/Kg wet							
Chlordane	ND	0.020	mg/Kg wet							
Chlordane [2C]	ND	0.020	mg/Kg wet							
4,4'-DDD	ND	0.0040	mg/Kg wet							
4,4'-DDD [2C]	ND	0.0040	mg/Kg wet							
4,4'-DDE	ND	0.0040	mg/Kg wet							
4,4'-DDE [2C]	ND	0.0040	mg/Kg wet							
4,4'-DDT	ND	0.0040	mg/Kg wet							
4,4'-DDT [2C]	ND	0.0040	mg/Kg wet							
Dieldrin	ND	0.0040	mg/Kg wet							
Dieldrin [2C]	ND	0.0040	mg/Kg wet							
Endosulfan I	ND	0.0050	mg/Kg wet							
Endosulfan I [2C]	ND	0.0050	mg/Kg wet							
Endosulfan II	ND	0.0080	mg/Kg wet							
Endosulfan II [2C]	ND	0.0080	mg/Kg wet							
Endosulfan Sulfate	ND	0.0080	mg/Kg wet							
Endosulfan Sulfate [2C]	ND	0.0080	mg/Kg wet							
Endrin	ND	0.0080	mg/Kg wet							
Endrin [2C]	ND	0.0080	mg/Kg wet							
Endrin Aldehyde	ND	0.0080	mg/Kg wet							
Endrin Aldehyde [2C]	ND	0.0080	mg/Kg wet							
Endrin Ketone	ND	0.0080	mg/Kg wet							
Endrin Ketone [2C]	ND	0.0080	mg/Kg wet							
Heptachlor	ND	0.0050	mg/Kg wet							
Heptachlor [2C]	ND	0.0050	mg/Kg wet							
Heptachlor Epoxide	ND	0.0050	mg/Kg wet							
Heptachlor Epoxide [2C]	ND	0.0050	mg/Kg wet							
Hexachlorobenzene	ND	0.0060	mg/Kg wet							
Hexachlorobenzene [2C]	ND	0.0060	mg/Kg wet							
Methoxychlor	ND	0.050	mg/Kg wet							
Methoxychlor [2C]	ND	0.050	mg/Kg wet							
Toxaphene	ND	0.10	mg/Kg wet							
Toxaphene [2C]	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.175*		mg/Kg wet	0.200		87.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.188*		mg/Kg wet	0.200		94.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.166*		mg/Kg wet	0.200		83.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.175*		mg/Kg wet	0.200		87.4	30-150			

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B294677 - SW-846 3546										
LCS (B294677-BS1)				Prepared: 11/15/21 Analyzed: 11/17/21						
Aldrin	0.098	0.0050	mg/Kg wet	0.100		98.5	40-140			
Aldrin [2C]	0.10	0.0050	mg/Kg wet	0.100		103	40-140			
alpha-BHC	0.089	0.0050	mg/Kg wet	0.100		89.3	40-140			
alpha-BHC [2C]	0.092	0.0050	mg/Kg wet	0.100		91.9	40-140			
beta-BHC	0.092	0.0050	mg/Kg wet	0.100		92.3	40-140			
beta-BHC [2C]	0.091	0.0050	mg/Kg wet	0.100		90.5	40-140			
delta-BHC	0.072	0.0050	mg/Kg wet	0.100		71.6	40-140			
delta-BHC [2C]	0.074	0.0050	mg/Kg wet	0.100		73.9	40-140			
gamma-BHC (Lindane)	0.092	0.0020	mg/Kg wet	0.100		91.7	40-140			
gamma-BHC (Lindane) [2C]	0.094	0.0020	mg/Kg wet	0.100		93.9	40-140			
Chlordane	ND	0.020	mg/Kg wet				40-140			
Chlordane [2C]	ND	0.020	mg/Kg wet				40-140			
4,4'-DDD	0.10	0.0040	mg/Kg wet	0.100		105	40-140			
4,4'-DDD [2C]	0.11	0.0040	mg/Kg wet	0.100		109	40-140			
4,4'-DDE	0.10	0.0040	mg/Kg wet	0.100		102	40-140			
4,4'-DDE [2C]	0.11	0.0040	mg/Kg wet	0.100		107	40-140			
4,4'-DDT	0.10	0.0040	mg/Kg wet	0.100		103	40-140			
4,4'-DDT [2C]	0.11	0.0040	mg/Kg wet	0.100		106	40-140			
Dieldrin	0.10	0.0040	mg/Kg wet	0.100		102	40-140			
Dieldrin [2C]	0.11	0.0040	mg/Kg wet	0.100		107	40-140			
Endosulfan I	0.095	0.0050	mg/Kg wet	0.100		95.1	40-140			
Endosulfan I [2C]	0.10	0.0050	mg/Kg wet	0.100		100	40-140			
Endosulfan II	0.097	0.0080	mg/Kg wet	0.100		96.8	40-140			
Endosulfan II [2C]	0.10	0.0080	mg/Kg wet	0.100		100	40-140			
Endosulfan Sulfate	0.096	0.0080	mg/Kg wet	0.100		95.7	40-140			
Endosulfan Sulfate [2C]	0.10	0.0080	mg/Kg wet	0.100		101	40-140			
Endrin	0.10	0.0080	mg/Kg wet	0.100		103	40-140			
Endrin [2C]	0.11	0.0080	mg/Kg wet	0.100		108	40-140			
Endrin Ketone	0.10	0.0080	mg/Kg wet	0.100		100	40-140			
Endrin Ketone [2C]	0.10	0.0080	mg/Kg wet	0.100		102	40-140			
Heptachlor	0.097	0.0050	mg/Kg wet	0.100		97.2	40-140			
Heptachlor [2C]	0.10	0.0050	mg/Kg wet	0.100		101	40-140			
Heptachlor Epoxide	0.097	0.0050	mg/Kg wet	0.100		97.2	40-140			
Heptachlor Epoxide [2C]	0.099	0.0050	mg/Kg wet	0.100		99.4	40-140			
Hexachlorobenzene	0.087	0.0060	mg/Kg wet	0.100		87.2	40-140			
Hexachlorobenzene [2C]	0.091	0.0060	mg/Kg wet	0.100		90.9	40-140			
Methoxychlor	0.099	0.050	mg/Kg wet	0.100		99.3	40-140			
Methoxychlor [2C]	0.10	0.050	mg/Kg wet	0.100		105	40-140			
Toxaphene	ND	0.10	mg/Kg wet				40-140			
Toxaphene [2C]	ND	0.10	mg/Kg wet				40-140			
Surrogate: Decachlorobiphenyl	*0.178*		mg/Kg wet	0.200		88.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.197*		mg/Kg wet	0.200		98.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.170*		mg/Kg wet	0.200		84.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.179*		mg/Kg wet	0.200		89.3	30-150			

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B294677 - SW-846 3546										
LCS Dup (B294677-BSD1)				Prepared: 11/15/21 Analyzed: 11/17/21						
Aldrin	0.098	0.0050	mg/Kg wet	0.100		98.4	40-140	0.0183	30	
Aldrin [2C]	0.10	0.0050	mg/Kg wet	0.100		102	40-140	0.814	30	
alpha-BHC	0.090	0.0050	mg/Kg wet	0.100		90.3	40-140	1.15	30	
alpha-BHC [2C]	0.092	0.0050	mg/Kg wet	0.100		92.2	40-140	0.389	30	
beta-BHC	0.092	0.0050	mg/Kg wet	0.100		92.5	40-140	0.174	30	
beta-BHC [2C]	0.089	0.0050	mg/Kg wet	0.100		89.3	40-140	1.39	30	
delta-BHC	0.072	0.0050	mg/Kg wet	0.100		71.7	40-140	0.0740	30	
delta-BHC [2C]	0.074	0.0050	mg/Kg wet	0.100		73.9	40-140	0.0284	30	
gamma-BHC (Lindane)	0.092	0.0020	mg/Kg wet	0.100		92.4	40-140	0.767	30	
gamma-BHC (Lindane) [2C]	0.093	0.0020	mg/Kg wet	0.100		93.2	40-140	0.823	30	
Chlordane	ND	0.020	mg/Kg wet				40-140	NC	30	
Chlordane [2C]	ND	0.020	mg/Kg wet				40-140	NC	30	
4,4'-DDD	0.10	0.0040	mg/Kg wet	0.100		104	40-140	0.606	30	
4,4'-DDD [2C]	0.11	0.0040	mg/Kg wet	0.100		108	40-140	1.22	30	
4,4'-DDE	0.10	0.0040	mg/Kg wet	0.100		102	40-140	0.802	30	
4,4'-DDE [2C]	0.11	0.0040	mg/Kg wet	0.100		106	40-140	1.11	30	
4,4'-DDT	0.10	0.0040	mg/Kg wet	0.100		101	40-140	1.86	30	
4,4'-DDT [2C]	0.10	0.0040	mg/Kg wet	0.100		103	40-140	2.74	30	
Dieldrin	0.10	0.0040	mg/Kg wet	0.100		101	40-140	0.819	30	
Dieldrin [2C]	0.11	0.0040	mg/Kg wet	0.100		105	40-140	1.28	30	
Endosulfan I	0.095	0.0050	mg/Kg wet	0.100		95.1	40-140	0.0116	30	
Endosulfan I [2C]	0.10	0.0050	mg/Kg wet	0.100		99.5	40-140	0.830	30	
Endosulfan II	0.096	0.0080	mg/Kg wet	0.100		96.3	40-140	0.523	30	
Endosulfan II [2C]	0.099	0.0080	mg/Kg wet	0.100		98.9	40-140	1.12	30	
Endosulfan Sulfate	0.095	0.0080	mg/Kg wet	0.100		94.7	40-140	0.981	30	
Endosulfan Sulfate [2C]	0.099	0.0080	mg/Kg wet	0.100		99.2	40-140	1.34	30	
Endrin	0.10	0.0080	mg/Kg wet	0.100		102	40-140	0.797	30	
Endrin [2C]	0.11	0.0080	mg/Kg wet	0.100		107	40-140	1.13	30	
Endrin Ketone	0.099	0.0080	mg/Kg wet	0.100		99.1	40-140	1.05	30	
Endrin Ketone [2C]	0.10	0.0080	mg/Kg wet	0.100		101	40-140	1.50	30	
Heptachlor	0.097	0.0050	mg/Kg wet	0.100		97.1	40-140	0.157	30	
Heptachlor [2C]	0.10	0.0050	mg/Kg wet	0.100		101	40-140	0.251	30	
Heptachlor Epoxide	0.096	0.0050	mg/Kg wet	0.100		96.4	40-140	0.898	30	
Heptachlor Epoxide [2C]	0.099	0.0050	mg/Kg wet	0.100		98.9	40-140	0.541	30	
Hexachlorobenzene	0.087	0.0060	mg/Kg wet	0.100		87.2	40-140	0.0355	30	
Hexachlorobenzene [2C]	0.091	0.0060	mg/Kg wet	0.100		90.7	40-140	0.185	30	
Methoxychlor	0.097	0.050	mg/Kg wet	0.100		97.0	40-140	2.34	30	
Methoxychlor [2C]	0.10	0.050	mg/Kg wet	0.100		101	40-140	3.89	30	
Toxaphene	ND	0.10	mg/Kg wet				40-140	NC	30	
Toxaphene [2C]	ND	0.10	mg/Kg wet				40-140	NC	30	
Surrogate: Decachlorobiphenyl	*0.178*		mg/Kg wet	0.200		88.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.192*		mg/Kg wet	0.200		95.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.171*		mg/Kg wet	0.200		85.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.179*		mg/Kg wet	0.200		89.5	30-150			

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B294677 - SW-846 3546										
Matrix Spike (B294677-MS1)	**Source: 21K0885-08**			Prepared: 11/15/21 Analyzed: 11/18/21						
Aldrin	0.11	0.028	mg/Kg dry	0.113	ND	93.0	30-150			
Aldrin [2C]	0.10	0.028	mg/Kg dry	0.113	ND	90.6	30-150			
alpha-BHC	0.091	0.028	mg/Kg dry	0.113	ND	80.7	30-150			
alpha-BHC [2C]	0.090	0.028	mg/Kg dry	0.113	ND	79.7	30-150			
beta-BHC	0.095	0.028	mg/Kg dry	0.113	ND	84.3	30-150			
beta-BHC [2C]	0.096	0.028	mg/Kg dry	0.113	ND	85.3	30-150			
delta-BHC	0.085	0.028	mg/Kg dry	0.113	ND	75.4	30-150			
delta-BHC [2C]	0.073	0.028	mg/Kg dry	0.113	ND	64.4	30-150			
gamma-BHC (Lindane)	0.096	0.011	mg/Kg dry	0.113	ND	84.7	30-150			
gamma-BHC (Lindane) [2C]	0.095	0.011	mg/Kg dry	0.113	ND	84.0	30-150			
4,4'-DDD	0.11	0.023	mg/Kg dry	0.113	ND	99.9	30-150			
4,4'-DDD [2C]	0.10	0.023	mg/Kg dry	0.113	ND	91.2	30-150			
4,4'-DDE	0.10	0.023	mg/Kg dry	0.113	ND	88.3	30-150			
4,4'-DDE [2C]	0.11	0.023	mg/Kg dry	0.113	ND	95.2	30-150			
4,4'-DDT	0.12	0.023	mg/Kg dry	0.113	ND	105	30-150			
4,4'-DDT [2C]	0.12	0.023	mg/Kg dry	0.113	ND	104	30-150			
Dieldrin	0.11	0.023	mg/Kg dry	0.113	ND	95.3	30-150			
Dieldrin [2C]	0.12	0.023	mg/Kg dry	0.113	ND	103	30-150			
Endosulfan I	0.098	0.028	mg/Kg dry	0.113	ND	87.2	30-150			
Endosulfan I [2C]	0.096	0.028	mg/Kg dry	0.113	ND	84.6	30-150			
Endosulfan II	0.097	0.045	mg/Kg dry	0.113	ND	85.5	30-150			
Endosulfan II [2C]	0.11	0.045	mg/Kg dry	0.113	ND	95.6	30-150			
Endosulfan Sulfate	0.096	0.045	mg/Kg dry	0.113	ND	85.0	30-150			
Endosulfan Sulfate [2C]	0.10	0.045	mg/Kg dry	0.113	ND	89.0	30-150			
Endrin	0.11	0.045	mg/Kg dry	0.113	ND	99.0	30-150			
Endrin [2C]	0.10	0.045	mg/Kg dry	0.113	ND	91.2	30-150			
Endrin Ketone	0.11	0.045	mg/Kg dry	0.113	ND	94.0	30-150			
Endrin Ketone [2C]	0.10	0.045	mg/Kg dry	0.113	ND	89.2	30-150			
Heptachlor	0.10	0.028	mg/Kg dry	0.113	ND	92.4	30-150			
Heptachlor [2C]	0.10	0.028	mg/Kg dry	0.113	ND	90.1	30-150			
Heptachlor Epoxide	0.10	0.028	mg/Kg dry	0.113	ND	91.8	30-150			
Heptachlor Epoxide [2C]	0.11	0.028	mg/Kg dry	0.113	ND	93.5	30-150			
Hexachlorobenzene	0.093	0.034	mg/Kg dry	0.113	ND	82.1	30-150			
Hexachlorobenzene [2C]	0.093	0.034	mg/Kg dry	0.113	ND	82.3	30-150			
Methoxychlor	0.10	0.28	mg/Kg dry	0.113	ND	92.1	30-150			
Methoxychlor [2C]	0.11	0.28	mg/Kg dry	0.113	ND	94.5	30-150			
Surrogate: Decachlorobiphenyl	*0.186*		mg/Kg dry	0.226		82.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.186*		mg/Kg dry	0.226		82.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.172*		mg/Kg dry	0.226		75.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.173*		mg/Kg dry	0.226		76.6	30-150			
Matrix Spike Dup (B294677-MSD1)	**Source: 21K0885-08**			Prepared: 11/15/21 Analyzed: 11/18/21						
Aldrin	0.11	0.028	mg/Kg dry	0.113	ND	94.0	30-150	1.07	30	
Aldrin [2C]	0.10	0.028	mg/Kg dry	0.113	ND	91.1	30-150	0.556	30	
alpha-BHC	0.091	0.028	mg/Kg dry	0.113	ND	80.6	30-150	0.112	30	
alpha-BHC [2C]	0.089	0.028	mg/Kg dry	0.113	ND	78.9	30-150	1.03	30	
beta-BHC	0.091	0.028	mg/Kg dry	0.113	ND	80.4	30-150	4.76	30	
beta-BHC [2C]	0.097	0.028	mg/Kg dry	0.113	ND	85.6	30-150	0.386	30	
delta-BHC	0.086	0.028	mg/Kg dry	0.113	ND	75.8	30-150	0.456	30	
delta-BHC [2C]	0.074	0.028	mg/Kg dry	0.113	ND	65.5	30-150	1.68	30	
gamma-BHC (Lindane)	0.096	0.011	mg/Kg dry	0.113	ND	85.3	30-150	0.700	30	
gamma-BHC (Lindane) [2C]	0.099	0.011	mg/Kg dry	0.113	ND	87.3	30-150	3.88	30	

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B294677 - SW-846 3546										
Matrix Spike Dup (B294677-MSD1)	**Source: 21K0885-08**			Prepared: 11/15/21 Analyzed: 11/18/21						
4,4'-DDD	0.12	0.023	mg/Kg dry	0.113	ND	108	30-150	7.68	30	
4,4'-DDD [2C]	0.11	0.023	mg/Kg dry	0.113	ND	94.5	30-150	3.57	30	
4,4'-DDE	0.10	0.023	mg/Kg dry	0.113	ND	88.2	30-150	0.125	30	
4,4'-DDE [2C]	0.11	0.023	mg/Kg dry	0.113	ND	101	30-150	5.92	30	
4,4'-DDT	0.12	0.023	mg/Kg dry	0.113	ND	110	30-150	4.67	30	
4,4'-DDT [2C]	0.12	0.023	mg/Kg dry	0.113	ND	109	30-150	3.92	30	
Dieldrin	0.11	0.023	mg/Kg dry	0.113	ND	97.1	30-150	1.93	30	
Dieldrin [2C]	0.12	0.023	mg/Kg dry	0.113	ND	110	30-150	6.31	30	
Endosulfan I	0.10	0.028	mg/Kg dry	0.113	ND	88.4	30-150	1.42	30	
Endosulfan I [2C]	0.096	0.028	mg/Kg dry	0.113	ND	84.7	30-150	0.0827	30	
Endosulfan II	0.098	0.045	mg/Kg dry	0.113	ND	86.7	30-150	1.37	30	
Endosulfan II [2C]	0.11	0.045	mg/Kg dry	0.113	ND	99.4	30-150	3.85	30	
Endosulfan Sulfate	0.096	0.045	mg/Kg dry	0.113	ND	84.9	30-150	0.124	30	
Endosulfan Sulfate [2C]	0.10	0.045	mg/Kg dry	0.113	ND	92.1	30-150	3.36	30	
Endrin	0.11	0.045	mg/Kg dry	0.113	ND	101	30-150	1.64	30	
Endrin [2C]	0.10	0.045	mg/Kg dry	0.113	ND	92.2	30-150	1.05	30	
Endrin Ketone	0.11	0.045	mg/Kg dry	0.113	ND	99.0	30-150	5.24	30	
Endrin Ketone [2C]	0.11	0.045	mg/Kg dry	0.113	ND	93.9	30-150	5.10	30	
Heptachlor	0.11	0.028	mg/Kg dry	0.113	ND	93.2	30-150	0.910	30	
Heptachlor [2C]	0.10	0.028	mg/Kg dry	0.113	ND	89.1	30-150	1.10	30	
Heptachlor Epoxide	0.10	0.028	mg/Kg dry	0.113	ND	92.4	30-150	0.630	30	
Heptachlor Epoxide [2C]	0.11	0.028	mg/Kg dry	0.113	ND	95.3	30-150	1.85	30	
Hexachlorobenzene	0.094	0.034	mg/Kg dry	0.113	ND	83.2	30-150	1.25	30	
Hexachlorobenzene [2C]	0.094	0.034	mg/Kg dry	0.113	ND	83.1	30-150	0.956	30	
Methoxychlor	0.11	0.28	mg/Kg dry	0.113	ND	94.8	30-150	2.84	30	
Methoxychlor [2C]	0.11	0.28	mg/Kg dry	0.113	ND	97.0	30-150	2.68	30	
Surrogate: Decachlorobiphenyl	*0.201*		mg/Kg dry	0.226		89.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.197*		mg/Kg dry	0.226		87.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.171*		mg/Kg dry	0.226		75.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.172*		mg/Kg dry	0.226		76.1	30-150			

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QUALITY CONTROL

Herbicides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B294725 - SW-846 8151											
Blank (B294725-BLK1)				Prepared: 11/15/21 Analyzed: 11/18/21							**O-32**
2,4-D	ND	24	µg/kg wet								
2,4-D [2C]	ND	24	µg/kg wet								
2,4-DB	ND	24	µg/kg wet								
2,4-DB [2C]	ND	24	µg/kg wet								
2,4,5-TP (Silvex)	ND	2.4	µg/kg wet								
2,4,5-TP (Silvex) [2C]	ND	2.4	µg/kg wet								
2,4,5-T	ND	2.4	µg/kg wet								
2,4,5-T [2C]	ND	2.4	µg/kg wet								
Dalapon	ND	60	µg/kg wet								L-04
Dalapon [2C]	ND	60	µg/kg wet								L-04
Dicamba	ND	2.4	µg/kg wet								
Dicamba [2C]	ND	2.4	µg/kg wet								
Dichloroprop	ND	24	µg/kg wet								
Dichloroprop [2C]	ND	24	µg/kg wet								
MCPA	ND	2400	µg/kg wet								
MCPA [2C]	ND	2400	µg/kg wet								
MCPP	ND	2400	µg/kg wet								
MCPP [2C]	ND	2400	µg/kg wet								
Surrogate: 2,4-Dichlorophenylacetic acid	*35.3*		µg/kg wet	95.2		37.0		30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	*57.6*		µg/kg wet	95.2		60.5		30-150			
LCS (B294725-BS1)				Prepared: 11/15/21 Analyzed: 11/18/21							
2,4-D	83.8	25	µg/kg wet	125		67.0		40-140			
2,4-D [2C]	93.1	25	µg/kg wet	125		74.5		40-140			
2,4-DB	75.0	25	µg/kg wet	125		60.0		40-140			
2,4-DB [2C]	71.1	25	µg/kg wet	125		56.9		40-140			
2,4,5-TP (Silvex)	8.93	2.5	µg/kg wet	12.5		71.4		40-140			
2,4,5-TP (Silvex) [2C]	9.89	2.5	µg/kg wet	12.5		79.1		40-140			
2,4,5-T	8.16	2.5	µg/kg wet	12.5		65.3		40-140			
2,4,5-T [2C]	9.29	2.5	µg/kg wet	12.5		74.3		40-140			
Dalapon	91.0	62	µg/kg wet	312		**29.1**	*	40-140			L-04
Dalapon [2C]	82.7	62	µg/kg wet	312		**26.5**	*	40-140			L-04
Dicamba	8.91	2.5	µg/kg wet	12.5		71.2		40-140			
Dicamba [2C]	8.68	2.5	µg/kg wet	12.5		69.4		40-140			
Dichloroprop	109	25	µg/kg wet	125		86.9		40-140			
Dichloroprop [2C]	93.4	25	µg/kg wet	125		74.8		40-140			
MCPA	12500	2500	µg/kg wet	12500		100		40-140			
MCPA [2C]	8610	2500	µg/kg wet	12500		68.9		40-140			
MCPP	9010	2500	µg/kg wet	12500		72.1		40-140			
MCPP [2C]	14100	2500	µg/kg wet	12500		112		40-140			
Surrogate: 2,4-Dichlorophenylacetic acid	*46.1*		µg/kg wet	100		46.1		30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	*66.9*		µg/kg wet	100		66.9		30-150			

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QUALITY CONTROL

Herbicides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B294725 - SW-846 8151											
LCS Dup (B294725-BSD1)				Prepared: 11/15/21 Analyzed: 11/18/21							
2,4-D	71.4	25	µg/kg wet	125		57.1		40-140	16.0	30	
2,4-D [2C]	79.0	25	µg/kg wet	125		63.2		40-140	16.4	30	
2,4-DB	61.5	25	µg/kg wet	125		49.2		40-140	19.8	30	
2,4-DB [2C]	59.9	25	µg/kg wet	125		47.9		40-140	17.1	30	
2,4,5-TP (Silvex)	7.59	2.5	µg/kg wet	12.5		60.7		40-140	16.1	30	
2,4,5-TP (Silvex) [2C]	8.35	2.5	µg/kg wet	12.5		66.8		40-140	16.9	30	
2,4,5-T	6.86	2.5	µg/kg wet	12.5		54.9		40-140	17.3	30	
2,4,5-T [2C]	7.76	2.5	µg/kg wet	12.5		62.1		40-140	17.9	30	
Dalapon	71.1	62	µg/kg wet	312		**22.8**	*	40-140	24.5	30	L-04
Dalapon [2C]	65.5	62	µg/kg wet	312		**21.0**	*	40-140	23.2	30	L-04
Dicamba	7.75	2.5	µg/kg wet	12.5		62.0		40-140	13.9	30	
Dicamba [2C]	7.64	2.5	µg/kg wet	12.5		61.1		40-140	12.7	30	
Dichloroprop	96.4	25	µg/kg wet	125		77.1		40-140	11.9	30	
Dichloroprop [2C]	80.2	25	µg/kg wet	125		64.2		40-140	15.3	30	
MCPA	11200	2500	µg/kg wet	12500		89.7		40-140	11.0	30	
MCPA [2C]	7220	2500	µg/kg wet	12500		57.8		40-140	17.6	30	
MCPP	8250	2500	µg/kg wet	12500		66.0		40-140	8.75	30	
MCPP [2C]	12900	2500	µg/kg wet	12500		103		40-140	8.59	30	
Surrogate: 2,4-Dichlorophenylacetic acid	*38.5*		µg/kg wet	100		38.5		30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	*62.7*		µg/kg wet	100		62.7		30-150			
Matrix Spike (B294725-MS1)	**Source: 21K0885-08**			Prepared: 11/15/21 Analyzed: 11/19/21							
2,4-D	102	110	µg/kg dry	141	ND	72.5		30-150			
2,4-D [2C]	97.1	110	µg/kg dry	141	ND	68.7		30-150			
2,4-DB	58.3	110	µg/kg dry	141	ND	41.3		30-150			R-06
2,4-DB [2C]	47.4	110	µg/kg dry	141	ND	33.6		30-150			R-06
2,4,5-TP (Silvex)	8.84	11	µg/kg dry	14.1	ND	62.6		30-150			
2,4,5-TP (Silvex) [2C]	9.65	11	µg/kg dry	14.1	ND	68.3		30-150			
2,4,5-T	8.41	11	µg/kg dry	14.1	ND	59.6		30-150			
2,4,5-T [2C]	8.97	11	µg/kg dry	14.1	ND	63.5		30-150			
Dalapon	97.8	280	µg/kg dry	353	ND	**27.7**	*	30-150			L-04, MS-23
Dalapon [2C]	97.4	280	µg/kg dry	353	ND	**27.6**	*	30-150			V-06, L-04, MS-23
Dicamba	8.76	11	µg/kg dry	14.1	ND	62.0		30-150			
Dicamba [2C]	8.72	11	µg/kg dry	14.1	ND	61.8		30-150			
Dichloroprop	126	110	µg/kg dry	141	ND	88.9		30-150			
Dichloroprop [2C]	104	110	µg/kg dry	141	ND	73.5		30-150			
MCPA	35200	11000	µg/kg dry	14100	ND	**249**	*	30-150			MS-15, R-06
MCPA [2C]	7870	11000	µg/kg dry	14100	ND	55.7		30-150			
MCPP	8690	11000	µg/kg dry	14100	ND	61.6		30-150			
MCPP [2C]	22700	11000	µg/kg dry	14100	ND	**161**	*	30-150			MS-23
Surrogate: 2,4-Dichlorophenylacetic acid	*38.6*		µg/kg dry	113		34.1		30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	*72.1*		µg/kg dry	113		63.8		30-150			

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QUALITY CONTROL

Herbicides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B294725 - SW-846 8151												
Matrix Spike Dup (B294725-MSD1)	**Source: 21K0885-08**			Prepared: 11/15/21 Analyzed: 11/19/21								
2,4-D	108	110	µg/kg dry	141	ND	76.2		30-150	5.05		30	
2,4-D [2C]	112	110	µg/kg dry	141	ND	79.1		30-150	14.1		30	
2,4-DB	37.3	110	µg/kg dry	141	ND	**26.4**	*	30-150	**43.9**	*	30	MS-23
2,4-DB [2C]	29.7	110	µg/kg dry	141	ND	**21.0**	*	30-150	**45.9**	*	30	MS-23
2,4,5-TP (Silvex)	11.3	11	µg/kg dry	14.1	ND	79.7		30-150	24.0		30	
2,4,5-TP (Silvex) [2C]	11.5	11	µg/kg dry	14.1	ND	81.3		30-150	17.4		30	
2,4,5-T	9.54	11	µg/kg dry	14.1	ND	67.6		30-150	12.6		30	
2,4,5-T [2C]	11.0	11	µg/kg dry	14.1	ND	77.8		30-150	20.2		30	
Dalapon	158	280	µg/kg dry	353	ND	44.8		30-150	**47.2**	*	30	L-04, R-06
Dalapon [2C]	148	280	µg/kg dry	353	ND	42.0		30-150	**41.4**	*	30	V-06, L-04, R-06
Dicamba	11.0	11	µg/kg dry	14.1	ND	77.9		30-150	22.7		30	
Dicamba [2C]	11.6	11	µg/kg dry	14.1	ND	82.3		30-150	28.5		30	
Dichloroprop	145	110	µg/kg dry	141	ND	103		30-150	14.7		30	
Dichloroprop [2C]	127	110	µg/kg dry	141	ND	89.8		30-150	20.0		30	
MCPA	22600	11000	µg/kg dry	14100	ND	**160**	*	30-150	**43.5**	*	30	MS-15, R-06
MCPA [2C]	10100	11000	µg/kg dry	14100	ND	71.4		30-150	24.6		30	
MCPP	9990	11000	µg/kg dry	14100	ND	70.7		30-150	13.9		30	
MCPP [2C]	16500	11000	µg/kg dry	14100	ND	117		30-150	**31.6**	*	30	R-06
Surrogate: 2,4-Dichlorophenylacetic acid	*37.5*		µg/kg dry	113		33.2		30-150				
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	*63.8*		µg/kg dry	113		56.5		30-150				

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B294658 - SW-846 3540C										
Blank (B294658-BLK1)				Prepared: 11/15/21 Analyzed: 11/18/21						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.185*		mg/Kg wet	0.200		92.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.198*		mg/Kg wet	0.200		99.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.174*		mg/Kg wet	0.200		86.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.183*		mg/Kg wet	0.200		91.6	30-150			
LCS (B294658-BS1)				Prepared: 11/15/21 Analyzed: 11/18/21						
Aroclor-1016	0.15	0.020	mg/Kg wet	0.200		74.6	40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		77.6	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		80.4	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		86.4	40-140			
Surrogate: Decachlorobiphenyl	*0.180*		mg/Kg wet	0.200		89.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.193*		mg/Kg wet	0.200		96.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.149*		mg/Kg wet	0.200		74.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.156*		mg/Kg wet	0.200		77.8	30-150			
LCS Dup (B294658-BSD1)				Prepared: 11/15/21 Analyzed: 11/18/21						
Aroclor-1016	0.15	0.020	mg/Kg wet	0.200		74.0	40-140	0.891	30	
Aroclor-1016 [2C]	0.15	0.020	mg/Kg wet	0.200		76.5	40-140	1.45	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		76.2	40-140	5.38	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		82.0	40-140	5.16	30	
Surrogate: Decachlorobiphenyl	*0.173*		mg/Kg wet	0.200		86.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.187*		mg/Kg wet	0.200		93.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.153*		mg/Kg wet	0.200		76.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.161*		mg/Kg wet	0.200		80.5	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B294658 - SW-846 3540C										
Matrix Spike (B294658-MS1)	**Source: 21K0885-01**			Prepared: 11/15/21 Analyzed: 11/18/21						
Aroclor-1016	0.21	0.10	mg/Kg dry	0.249	ND	84.5	40-140			
Aroclor-1016 [2C]	0.22	0.10	mg/Kg dry	0.249	ND	86.9	40-140			
Aroclor-1260	0.22	0.10	mg/Kg dry	0.249	ND	90.1	40-140			
Aroclor-1260 [2C]	0.24	0.10	mg/Kg dry	0.249	ND	94.4	40-140			
Surrogate: Decachlorobiphenyl	*0.217*		mg/Kg dry	0.249		87.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.228*		mg/Kg dry	0.249		91.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.178*		mg/Kg dry	0.249		71.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.188*		mg/Kg dry	0.249		75.4	30-150			
Matrix Spike Dup (B294658-MSD1)	**Source: 21K0885-01**			Prepared: 11/15/21 Analyzed: 11/19/21						
Aroclor-1016	0.21	0.10	mg/Kg dry	0.249	ND	85.5	40-140	1.20	50	
Aroclor-1016 [2C]	0.22	0.10	mg/Kg dry	0.249	ND	88.1	40-140	1.30	50	
Aroclor-1260	0.23	0.10	mg/Kg dry	0.249	ND	92.1	40-140	2.18	50	
Aroclor-1260 [2C]	0.24	0.10	mg/Kg dry	0.249	ND	96.6	40-140	2.33	50	
Surrogate: Decachlorobiphenyl	*0.222*		mg/Kg dry	0.249		89.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.233*		mg/Kg dry	0.249		93.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.181*		mg/Kg dry	0.249		72.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.191*		mg/Kg dry	0.249		76.6	30-150			
Batch B294796 - SW-846 3540C										
Blank (B294796-BLK1)				Prepared: 11/16/21 Analyzed: 11/17/21						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.211*		mg/Kg wet	0.200		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.192*		mg/Kg wet	0.200		95.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.179*		mg/Kg wet	0.200		89.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.142*		mg/Kg wet	0.200		70.9	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B294796 - SW-846 3540C										
LCS (B294796-BS1)				Prepared: 11/16/21 Analyzed: 11/17/21						
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		78.6	40-140			
Aroclor-1016 [2C]	0.13	0.020	mg/Kg wet	0.200		64.4	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		87.3	40-140			
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		73.6	40-140			
Surrogate: Decachlorobiphenyl	*0.199*		mg/Kg wet	0.200		99.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.179*		mg/Kg wet	0.200		89.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.132*		mg/Kg wet	0.200		65.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.103*		mg/Kg wet	0.200		51.7	30-150			
LCS Dup (B294796-BSD1)				Prepared: 11/16/21 Analyzed: 11/17/21						
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		84.2	40-140	6.91	30	
Aroclor-1016 [2C]	0.14	0.020	mg/Kg wet	0.200		69.0	40-140	6.78	30	
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		91.2	40-140	4.34	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		76.5	40-140	3.93	30	
Surrogate: Decachlorobiphenyl	*0.211*		mg/Kg wet	0.200		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.190*		mg/Kg wet	0.200		94.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.160*		mg/Kg wet	0.200		80.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.126*		mg/Kg wet	0.200		63.0	30-150			
Matrix Spike (B294796-MS1)		**Source: 21K0885-23**		Prepared: 11/16/21 Analyzed: 11/17/21						
Aroclor-1016	0.22	0.087	mg/Kg dry	0.219	ND	98.4	40-140			
Aroclor-1016 [2C]	0.17	0.087	mg/Kg dry	0.219	ND	78.1	40-140			
Aroclor-1260	0.22	0.087	mg/Kg dry	0.219	ND	102	40-140			
Aroclor-1260 [2C]	0.19	0.087	mg/Kg dry	0.219	ND	86.1	40-140			
Surrogate: Decachlorobiphenyl	*0.221*		mg/Kg dry	0.219		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.197*		mg/Kg dry	0.219		90.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.161*		mg/Kg dry	0.219		73.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.128*		mg/Kg dry	0.219		58.5	30-150			
Matrix Spike Dup (B294796-MSD1)		**Source: 21K0885-23**		Prepared: 11/16/21 Analyzed: 11/17/21						
Aroclor-1016	0.23	0.089	mg/Kg dry	0.223	ND	102	40-140	5.76	50	
Aroclor-1016 [2C]	0.18	0.089	mg/Kg dry	0.223	ND	82.9	40-140	7.93	50	
Aroclor-1260	0.23	0.089	mg/Kg dry	0.223	ND	105	40-140	4.64	50	
Aroclor-1260 [2C]	0.20	0.089	mg/Kg dry	0.223	ND	88.3	40-140	4.42	50	
Surrogate: Decachlorobiphenyl	*0.239*		mg/Kg dry	0.223		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.213*		mg/Kg dry	0.223		95.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.181*		mg/Kg dry	0.223		81.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.142*		mg/Kg dry	0.223		63.5	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B294582 - SW-846 3546										
Blank (B294582-BLK1)				Prepared: 11/12/21 Analyzed: 11/14/21						
TPH (C9-C36)	ND	8.3	mg/Kg wet							
Surrogate: 2-Fluorobiphenyl	*52.1*		mg/Kg wet	83.3		62.5	40-140			
LCS (B294582-BS1)				Prepared: 11/12/21 Analyzed: 11/14/21						
TPH (C9-C36)	25.9	8.3	mg/Kg wet	33.3		77.6	40-140			
Surrogate: 2-Fluorobiphenyl	*2.42*		mg/Kg wet	3.33		72.6	40-140			
LCS Dup (B294582-BSD1)				Prepared: 11/12/21 Analyzed: 11/14/21						
TPH (C9-C36)	26.3	8.3	mg/Kg wet	33.3		79.0	40-140	1.80	30	
Surrogate: 2-Fluorobiphenyl	*2.43*		mg/Kg wet	3.33		73.0	40-140			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B294689 - SW-846 7471										
Blank (B294689-BLK1)				Prepared: 11/15/21 Analyzed: 11/16/21						
Mercury	ND	0.025	mg/Kg wet							
LCS (B294689-BS1)				Prepared: 11/15/21 Analyzed: 11/16/21						
Mercury	20.2	0.76	mg/Kg wet	15.6		129	59.3-140.4			
LCS Dup (B294689-BSD1)				Prepared: 11/15/21 Analyzed: 11/16/21						
Mercury	18.0	0.75	mg/Kg wet	15.6		115	59.3-140.4	11.4	20	
Batch B294719 - SW-846 3050B										
Blank (B294719-BLK1)				Prepared: 11/15/21 Analyzed: 11/16/21						
Antimony	ND	1.7	mg/Kg wet							
Arsenic	ND	3.3	mg/Kg wet							
Barium	ND	1.7	mg/Kg wet							
Beryllium	ND	0.17	mg/Kg wet							
Cadmium	ND	0.33	mg/Kg wet							
Chromium	ND	0.67	mg/Kg wet							
Lead	ND	0.50	mg/Kg wet							
Nickel	ND	0.67	mg/Kg wet							
Selenium	ND	3.3	mg/Kg wet							
Silver	ND	0.33	mg/Kg wet							
Thallium	ND	1.7	mg/Kg wet							
Vanadium	ND	0.67	mg/Kg wet							
Zinc	ND	0.67	mg/Kg wet							
LCS (B294719-BS1)				Prepared: 11/15/21 Analyzed: 11/16/21						
Antimony	119	4.9	mg/Kg wet	134		88.5	1.9-200.7			
Arsenic	176	9.9	mg/Kg wet	170		103	82.9-117.6			
Barium	200	4.9	mg/Kg wet	183		109	82.5-117.5			
Beryllium	127	0.49	mg/Kg wet	116		109	83.4-116.4			
Cadmium	99.1	0.99	mg/Kg wet	89.5		111	82.8-117.3			
Chromium	109	2.0	mg/Kg wet	101		108	82.1-117.8			
Lead	151	1.5	mg/Kg wet	140		108	82.9-117.1			
Nickel	75.6	2.0	mg/Kg wet	68.3		111	82.1-117.7			
Selenium	200	9.9	mg/Kg wet	182		110	79.7-120.3			
Silver	53.6	0.99	mg/Kg wet	50.1		107	80.2-120			
Thallium	99.5	4.9	mg/Kg wet	87.7		113	81.1-118.6			
Vanadium	166	2.0	mg/Kg wet	153		109	79.1-120.9			
Zinc	245	2.0	mg/Kg wet	228		107	80.7-118.9			
LCS Dup (B294719-BSD1)				Prepared: 11/15/21 Analyzed: 11/16/21						
Antimony	112	5.0	mg/Kg wet	134		83.4	1.9-200.7	5.92	30	
Arsenic	173	10	mg/Kg wet	170		102	82.9-117.6	1.37	30	
Barium	201	5.0	mg/Kg wet	183		110	82.5-117.5	0.319	20	
Beryllium	125	0.50	mg/Kg wet	116		108	83.4-116.4	1.22	30	
Cadmium	97.4	1.0	mg/Kg wet	89.5		109	82.8-117.3	1.78	20	
Chromium	107	2.0	mg/Kg wet	101		106	82.1-117.8	1.44	30	
Lead	147	1.5	mg/Kg wet	140		105	82.9-117.1	2.77	30	
Nickel	75.1	2.0	mg/Kg wet	68.3		110	82.1-117.7	0.660	30	
Selenium	197	10	mg/Kg wet	182		108	79.7-120.3	1.49	30	
Silver	52.8	1.0	mg/Kg wet	50.1		105	80.2-120	1.49	30	
Thallium	97.8	5.0	mg/Kg wet	87.7		112	81.1-118.6	1.74	30	
Vanadium	165	2.0	mg/Kg wet	153		108	79.1-120.9	0.810	30	
Zinc	242	2.0	mg/Kg wet	228		106	80.7-118.9	1.05	30	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B294719 - SW-846 3050B										
Reference (B294719-SRM1) MRL CHECK				Prepared: 11/15/21 Analyzed: 11/16/21						
Lead	0.510	0.50	mg/Kg wet	0.498		102	80-120			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B294587 - SW-846 9045C										
LCS (B294587-BS1)				Prepared & Analyzed: 11/12/21						
pH	5.99		pH Units	6.00		99.9	90-110			
LCS (B294587-BS2)				Prepared & Analyzed: 11/12/21						
pH	6.00		pH Units	6.00		100	90-110			
Batch B294626 - SW-846 9014										
Blank (B294626-BLK1)				Prepared: 11/13/21 Analyzed: 11/14/21						
Reactive Cyanide	ND	0.40	mg/Kg							
LCS (B294626-BS1)				Prepared: 11/13/21 Analyzed: 11/14/21						
Reactive Cyanide	9.5	0.40	mg/Kg	10.0		95.4	81.3-111			
LCS (B294626-BS2)				Prepared: 11/13/21 Analyzed: 11/14/21						
Reactive Cyanide	9.5	0.40	mg/Kg	10.0		95.4	81.3-111			
Batch B294628 - SW-846 9030A										
Blank (B294628-BLK1)				Prepared: 11/13/21 Analyzed: 11/14/21						
Reactive Sulfide	ND	2.0	mg/Kg							
LCS (B294628-BS1)				Prepared: 11/13/21 Analyzed: 11/14/21						
Reactive Sulfide	5.2	2.0	mg/Kg	5.60		92.9	71.8-120			
LCS (B294628-BS2)				Prepared: 11/13/21 Analyzed: 11/14/21						
Reactive Sulfide	5.2	2.0	mg/Kg	5.60		92.9	71.8-120			
Batch B294675 - SM21-23 2510B Modified										
Blank (B294675-BLK1)				Prepared & Analyzed: 11/15/21						
Specific conductance	ND	2.0	µmhos/cm							
LCS (B294675-BS1)				Prepared & Analyzed: 11/15/21						
Specific conductance	150		µmhos/cm	137		109	90-114			
Batch B295113 - SW-846 9014										
Blank (B295113-BLK1)				Prepared: 11/19/21 Analyzed: 11/21/21						
Reactive Cyanide	ND	0.40	mg/Kg							

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B295113 - SW-846 9014										
LCS (B295113-BS1)				Prepared: 11/19/21 Analyzed: 11/21/21						
Reactive Cyanide	9.5	0.40	mg/Kg	10.0		95.4	81.3-111			
LCS (B295113-BS2)				Prepared: 11/19/21 Analyzed: 11/21/21						
Reactive Cyanide	9.5	0.40	mg/Kg	10.0		95.4	81.3-111			
Batch B295116 - SW-846 9030A										
Blank (B295116-BLK1)				Prepared: 11/19/21 Analyzed: 11/21/21						
Reactive Sulfide	ND	2.0	mg/Kg							
LCS (B295116-BS1)				Prepared: 11/19/21 Analyzed: 11/21/21						
Reactive Sulfide	5.2	2.0	mg/Kg	5.60		92.9	71.8-120			
LCS (B295116-BS2)				Prepared: 11/19/21 Analyzed: 11/21/21						
Reactive Sulfide	5.2	2.0	mg/Kg	5.60		92.9	71.8-120			

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BREAKDOWN REPORT

Lab Sample ID:	S065492-PEM1	Analyzed:	11/17/2021

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	0.21
Endrin [1]	2.97

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	0.11
Endrin [2]	2.99

BREAKDOWN REPORT

Lab Sample ID:	S065492-PEM2	Analyzed:	11/18/2021

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	2.75
Endrin [1]	2.54

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	2.33
Endrin [2]	2.50

BREAKDOWN REPORT

Lab Sample ID:	S065492-PEM3	Analyzed:	11/18/2021

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	0.38
Endrin [1]	1.68

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BREAKDOWN REPORT

Lab Sample ID:	S065492-PEM3	Analyzed:	11/18/2021

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	0.40
Endrin [2]	1.71

BREAKDOWN REPORT

Lab Sample ID:	S065581-PEM1	Analyzed:	11/18/2021

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	0.38
Endrin [1]	1.68

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	0.40
Endrin [2]	1.71

BREAKDOWN REPORT

Lab Sample ID:	S065581-PEM2	Analyzed:	11/18/2021

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	1.22
Endrin [1]	1.83

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	1.09
Endrin [2]	1.83

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-B-233 (6-15)

Lab Sample ID: 21K0885-07

Date(s) Analyzed: 11/19/2021 11/19/2021

Instrument ID (1): ECD5

Instrument ID (2): ECD5

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	11	
	2	0.000	-0.030	0.030	12	8.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-B-232 (6-15)

Lab Sample ID: 21K0885-10

Date(s) Analyzed: 11/19/2021 11/19/2021

Instrument ID (1): ECD5

Instrument ID (2): ECD5

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	3.2	
	2	0.000	-0.030	0.030	3.6	11.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-B-229 (4-13)

Lab Sample ID: 21K0885-29

Date(s) Analyzed: 11/18/2021 11/18/2021

Instrument ID (1): ECD10

Instrument ID (2): ECD10

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	11	
	2	0.000	-0.030	0.030	9.1	18.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B294658-BS1

Date(s) Analyzed: 11/18/2021 11/18/2021

Instrument ID (1): ECD5

Instrument ID (2): ECD5

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.16	6.5
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.17	6.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B294658-BSD1

Date(s) Analyzed: 11/18/2021 11/18/2021

Instrument ID (1): ECD5

Instrument ID (2): ECD5

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.15	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.16	6.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B294658-MS1

Date(s) Analyzed: 11/18/2021 11/18/2021

Instrument ID (1): ECD5

Instrument ID (2): ECD5

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.22	4.7
Aroclor-1260	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.24	4.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B294658-MSD1

Date(s) Analyzed: 11/19/2021 11/19/2021

Instrument ID (1): ECD5

Instrument ID (2): ECD5

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.22	4.7
Aroclor-1260	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.24	4.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS

Lab Sample ID: B294677-BS1 Date(s) Analyzed: 11/17/2021 11/17/2021

Instrument ID (1): ECD2 Instrument ID (2): ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.536	0.000	0.000	0.10	
	2	7.505	0.000	0.000	0.11	0.0
4,4'-DDE	1	7.079	0.000	0.000	0.10	
	2	7.064	0.000	0.000	0.11	9.5
4,4'-DDT	1	7.753	0.000	0.000	0.10	
	2	7.750	0.000	0.000	0.11	9.5
Aldrin	1	6.399	0.000	0.000	0.098	
	2	6.288	0.000	0.000	0.10	1.0
alpha-BHC	1	5.649	0.000	0.000	0.089	
	2	5.550	0.000	0.000	0.092	3.3
beta-BHC	1	5.917	0.000	0.000	0.092	
	2	5.830	0.000	0.000	0.091	1.1
delta-BHC	1	6.040	0.000	0.000	0.072	
	2	6.024	0.000	0.000	0.074	2.7
Dieldrin	1	7.312	0.000	0.000	0.10	
	2	7.182	0.000	0.000	0.11	9.5
Endosulfan I	1	7.132	0.000	0.000	0.095	
	2	6.978	0.000	0.000	0.10	5.1
Endosulfan II	1	7.665	0.000	0.000	0.097	
	2	7.577	0.000	0.000	0.10	3.1
Endosulfan Sulfate	1	8.295	0.000	0.000	0.096	
	2	8.050	0.000	0.000	0.10	4.1
Endrin	1	7.491	0.000	0.000	0.10	
	2	7.413	0.000	0.000	0.11	9.5
Endrin Ketone	1	8.476	0.000	0.000	0.10	
	2	8.407	0.000	0.000	0.10	0.0
gamma-BHC (Lindane)	1	5.860	0.000	0.000	0.092	
	2	5.777	0.000	0.000	0.094	2.2
Heptachlor	1	6.186	0.000	0.000	0.097	
	2	6.068	0.000	0.000	0.10	3.1
Heptachlor Epoxide	1	6.837	0.000	0.000	0.097	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS

Lab Sample ID: B294677-BS1 Date(s) Analyzed: 11/17/2021 11/17/2021

Instrument ID (1): ECD2 Instrument ID (2): ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
	2	6.692	0.000	0.000	0.099	2.0
Hexachlorobenzene	1	5.536	0.000	0.000	0.087	
	2	5.460	0.000	0.000	0.091	4.5
Methoxychlor	1	8.118	0.000	0.000	0.099	
	2	8.259	0.000	0.000	0.10	1.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS Dup

Lab Sample ID: B294677-BSD1 Date(s) Analyzed: 11/17/2021 11/17/2021

Instrument ID (1): ECD2 Instrument ID (2): ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.536	0.000	0.000	0.10	
	2	7.505	0.000	0.000	0.11	9.5
4,4'-DDE	1	7.079	0.000	0.000	0.10	
	2	7.064	0.000	0.000	0.11	9.5
4,4'-DDT	1	7.754	0.000	0.000	0.10	
	2	7.750	0.000	0.000	0.10	0.0
Aldrin	1	6.399	0.000	0.000	0.098	
	2	6.289	0.000	0.000	0.10	2.0
alpha-BHC	1	5.649	0.000	0.000	0.090	
	2	5.550	0.000	0.000	0.092	2.2
beta-BHC	1	5.917	0.000	0.000	0.092	
	2	5.831	0.000	0.000	0.089	4.4
delta-BHC	1	6.040	0.000	0.000	0.072	
	2	6.025	0.000	0.000	0.074	2.7
Dieldrin	1	7.312	0.000	0.000	0.10	
	2	7.182	0.000	0.000	0.11	9.5
Endosulfan I	1	7.132	0.000	0.000	0.095	
	2	6.978	0.000	0.000	0.10	5.1
Endosulfan II	1	7.665	0.000	0.000	0.096	
	2	7.577	0.000	0.000	0.099	3.1
Endosulfan Sulfate	1	8.296	0.000	0.000	0.095	
	2	8.050	0.000	0.000	0.099	4.1
Endrin	1	7.491	0.000	0.000	0.10	
	2	7.413	0.000	0.000	0.11	9.5
Endrin Ketone	1	8.475	0.000	0.000	0.099	
	2	8.407	0.000	0.000	0.10	1.0
gamma-BHC (Lindane)	1	5.860	0.000	0.000	0.092	
	2	5.777	0.000	0.000	0.093	1.1
Heptachlor	1	6.186	0.000	0.000	0.097	
	2	6.068	0.000	0.000	0.10	3.1
Heptachlor Epoxide	1	6.838	0.000	0.000	0.096	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS Dup

Lab Sample ID: B294677-BSD1 Date(s) Analyzed: 11/17/2021 11/17/2021

Instrument ID (1): ECD2 Instrument ID (2): ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
	2	6.692	0.000	0.000	0.099	3.1
Hexachlorobenzene	1	5.536	0.000	0.000	0.087	
	2	5.461	0.000	0.000	0.091	4.5
Methoxychlor	1	8.118	0.000	0.000	0.097	
	2	8.259	0.000	0.000	0.10	3.1

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IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

Matrix Spike

Lab Sample ID: B294677-MS1 Date(s) Analyzed: 11/18/2021 11/18/2021

Instrument ID (1): ECD2 Instrument ID (2): ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.532	0.000	0.000	0.11	
	2	7.502	0.000	0.000	0.10	9.5
4,4'-DDE	1	7.076	0.000	0.000	0.10	
	2	7.061	0.000	0.000	0.11	9.5
4,4'-DDT	1	7.750	0.000	0.000	0.12	
	2	7.746	0.000	0.000	0.12	0.0
Aldrin	1	6.397	0.000	0.000	0.11	
	2	6.286	0.000	0.000	0.10	9.5
alpha-BHC	1	5.647	0.000	0.000	0.091	
	2	5.547	0.000	0.000	0.090	1.1
beta-BHC	1	5.915	0.000	0.000	0.095	
	2	5.828	0.000	0.000	0.096	1.1
delta-BHC	1	6.038	0.000	0.000	0.085	
	2	6.023	0.000	0.000	0.073	15.2
Dieldrin	1	7.309	0.000	0.000	0.11	
	2	7.180	0.000	0.000	0.12	8.7
Endosulfan I	1	7.129	0.000	0.000	0.098	
	2	6.975	0.000	0.000	0.096	3.1
Endosulfan II	1	7.661	0.000	0.000	0.097	
	2	7.574	0.000	0.000	0.11	12.6
Endosulfan Sulfate	1	8.292	0.000	0.000	0.096	
	2	8.045	0.000	0.000	0.10	4.1
Endrin	1	7.488	0.000	0.000	0.11	
	2	7.410	0.000	0.000	0.10	9.5
Endrin Ketone	1	8.473	0.000	0.000	0.11	
	2	8.403	0.000	0.000	0.10	9.5
gamma-BHC (Lindane)	1	5.858	0.000	0.000	0.096	
	2	5.775	0.000	0.000	0.095	1.1
Heptachlor	1	6.183	0.000	0.000	0.10	
	2	6.065	0.000	0.000	0.10	0.0
Heptachlor Epoxide	1	6.834	0.000	0.000	0.10	

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IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

Matrix Spike

Lab Sample ID: B294677-MS1 Date(s) Analyzed: 11/18/2021 11/18/2021

Instrument ID (1): ECD2 Instrument ID (2): ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
	2	6.690	0.000	0.000	0.11	9.5
Hexachlorobenzene	1	5.535	0.000	0.000	0.093	
	2	5.458	0.000	0.000	0.093	0.0
Methoxychlor	1	8.115	0.000	0.000	0.10	
	2	8.256	0.000	0.000	0.11	9.5

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IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

Matrix Spike Dup

Lab Sample ID: B294677-MSD1 Date(s) Analyzed: 11/18/2021 11/18/2021

Instrument ID (1): ECD2 Instrument ID (2): ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	7.532	0.000	0.000	0.12	
	2	7.501	0.000	0.000	0.11	8.7
4,4'-DDE	1	7.076	0.000	0.000	0.10	
	2	7.060	0.000	0.000	0.11	9.5
4,4'-DDT	1	7.750	0.000	0.000	0.12	
	2	7.746	0.000	0.000	0.12	8.0
Aldrin	1	6.396	0.000	0.000	0.11	
	2	6.285	0.000	0.000	0.10	9.5
alpha-BHC	1	5.646	0.000	0.000	0.091	
	2	5.547	0.000	0.000	0.089	2.2
beta-BHC	1	5.915	0.000	0.000	0.091	
	2	5.828	0.000	0.000	0.097	6.4
delta-BHC	1	6.038	0.000	0.000	0.086	
	2	6.022	0.000	0.000	0.074	15.0
Dieldrin	1	7.309	0.000	0.000	0.11	
	2	7.179	0.000	0.000	0.12	8.7
Endosulfan I	1	7.128	0.000	0.000	0.10	
	2	6.975	0.000	0.000	0.096	4.1
Endosulfan II	1	7.661	0.000	0.000	0.098	
	2	7.573	0.000	0.000	0.11	11.5
Endosulfan Sulfate	1	8.292	0.000	0.000	0.096	
	2	8.045	0.000	0.000	0.10	4.1
Endrin	1	7.488	0.000	0.000	0.11	
	2	7.409	0.000	0.000	0.10	9.5
Endrin Ketone	1	8.472	0.000	0.000	0.11	
	2	8.403	0.000	0.000	0.11	0.0
gamma-BHC (Lindane)	1	5.858	0.000	0.000	0.096	
	2	5.774	0.000	0.000	0.099	3.1
Heptachlor	1	6.183	0.000	0.000	0.11	
	2	6.065	0.000	0.000	0.10	9.5
Heptachlor Epoxide	1	6.834	0.000	0.000	0.10	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

Matrix Spike Dup

Lab Sample ID: B294677-MSD1

Date(s) Analyzed: 11/18/2021 11/18/2021

Instrument ID (1): ECD2

Instrument ID (2): ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
	2	6.689	0.000	0.000	0.11	9.5
Hexachlorobenzene	1	5.534	0.000	0.000	0.094	
	2	5.458	0.000	0.000	0.094	0.0
Methoxychlor	1	8.115	0.000	0.000	0.11	
	2	8.255	0.000	0.000	0.11	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8151A

LCS

Lab Sample ID: B294725-BS1

Date(s) Analyzed: 11/18/2021 11/18/2021

Instrument ID (1): ECD 8

Instrument ID (2): ECD 8

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-T	1	16.742	0.000	0.000	8.16	
	2	16.721	0.000	0.000	9.29	12.5
2,4,5-TP (Silvex)	1	16.217	0.000	0.000	8.93	
	2	15.944	0.000	0.000	9.89	10.5
2,4-D	1	14.337	0.000	0.000	83.8	
	2	14.165	0.000	0.000	93.1	10.3
2,4-DB	1	17.220	0.000	0.000	75.0	
	2	17.173	0.000	0.000	71.1	5.3
Dalapon	1	4.936	0.000	0.000	91.0	
	2	4.560	0.000	0.000	82.7	9.6
Dicamba	1	12.169	0.000	0.000	8.91	
	2	11.902	0.000	0.000	8.68	2.5
Dichloroprop	1	13.820	0.000	0.000	109	
	2	13.470	0.000	0.000	93.4	16.3
MCPA	1	13.013	0.000	0.000	12500	
	2	12.754	0.000	0.000	8610	40.6
MCPP	1	12.669	0.000	0.000	9010	
	2	12.240	0.000	0.000	14100	44.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8151A

LCS Dup

Lab Sample ID: B294725-BSD1 Date(s) Analyzed: 11/18/2021 11/18/2021

Instrument ID (1): ECD 8 Instrument ID (2): ECD 8

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-T	1	16.742	0.000	0.000	6.86	
	2	16.720	0.000	0.000	7.76	11.7
2,4,5-TP (Silvex)	1	16.217	0.000	0.000	7.59	
	2	15.944	0.000	0.000	8.35	9.4
2,4-D	1	14.337	0.000	0.000	71.4	
	2	14.166	0.000	0.000	79.0	10.7
2,4-DB	1	17.219	0.000	0.000	61.5	
	2	17.172	0.000	0.000	59.9	3.5
Dalapon	1	4.933	0.000	0.000	71.1	
	2	4.557	0.000	0.000	65.5	8.1
Dicamba	1	12.167	0.000	0.000	7.75	
	2	11.900	0.000	0.000	7.64	2.1
Dichloroprop	1	13.820	0.000	0.000	96.4	
	2	13.469	0.000	0.000	80.2	17.9
MCPA	1	13.010	0.000	0.000	11200	
	2	12.751	0.000	0.000	7220	41.5
MCPP	1	12.667	0.000	0.000	8250	
	2	12.238	0.000	0.000	12900	43.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8151A

Matrix Spike

Lab Sample ID: B294725-MS1 Date(s) Analyzed: 11/19/2021 11/19/2021

Instrument ID (1): ECD 8 Instrument ID (2): ECD 8

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-T	1	16.741	0.000	0.000	8.41	
	2	16.721	0.000	0.000	8.97	6.6
2,4,5-TP (Silvex)	1	16.216	0.000	0.000	8.84	
	2	15.948	0.000	0.000	9.65	9.2
2,4-D	1	14.340	0.000	0.000	102	
	2	14.171	0.000	0.000	97.1	2.9
2,4-DB	1	17.218	0.000	0.000	58.3	
	2	17.173	0.000	0.000	47.4	20.1
Dalapon	1	4.925	0.000	0.000	97.8	
	2	4.548	0.000	0.000	97.4	0.6
Dicamba	1	12.166	0.000	0.000	8.76	
	2	11.903	0.000	0.000	8.72	0.9
Dichloroprop	1	13.821	0.000	0.000	126	
	2	13.474	0.000	0.000	104	22.2
MCPA	1	12.996	0.000	0.000	35200	
	2	12.743	0.000	0.000	7870	127.0
MCPP	1	12.657	0.000	0.000	8690	
	2	12.240	0.000	0.000	22700	89.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8151A

Matrix Spike Dup

Lab Sample ID: B294725-MSD1 Date(s) Analyzed: 11/19/2021 11/19/2021

Instrument ID (1): ECD 8 Instrument ID (2): ECD 8

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-T	1	16.741	0.000	0.000	9.54	
	2	16.723	0.000	0.000	11.0	14.6
2,4,5-TP (Silvex)	1	16.217	0.000	0.000	11.3	
	2	15.948	0.000	0.000	11.5	4.4
2,4-D	1	14.340	0.000	0.000	108	
	2	14.171	0.000	0.000	112	1.8
2,4-DB	1	17.218	0.000	0.000	37.3	
	2	17.174	0.000	0.000	29.7	21.9
Dalapon	1	4.919	0.000	0.000	158	
	2	4.542	0.000	0.000	148	7.8
Dicamba	1	12.164	0.000	0.000	11.0	
	2	11.901	0.000	0.000	11.6	5.3
Dichloroprop	1	13.820	0.000	0.000	145	
	2	13.473	0.000	0.000	127	16.6
MCPA	1	12.996	0.000	0.000	22600	
	2	12.742	0.000	0.000	10100	77.9
MCPP	1	12.656	0.000	0.000	9990	
	2	12.233	0.000	0.000	16500	49.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B294796-BS1

Date(s) Analyzed: 11/17/2021 11/17/2021

Instrument ID (1): ECD10

Instrument ID (2): ECD10

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.13	20.7
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.15	18.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B294796-BSD1 Date(s) Analyzed: 11/17/2021 11/17/2021

Instrument ID (1): ECD10 Instrument ID (2): ECD10

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.14	19.4
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.15	18.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B294796-MS1

Date(s) Analyzed: 11/17/2021 11/17/2021

Instrument ID (1): ECD10

Instrument ID (2): ECD10

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.17	25.6
Aroclor-1260	1	0.000	-0.030	0.030	0.22	
	2	0.000	-0.030	0.030	0.19	14.6

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IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B294796-MSD1

Date(s) Analyzed: 11/17/2021 11/17/2021

Instrument ID (1): ECD10

Instrument ID (2): ECD10

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.18	24.4
Aroclor-1260	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.20	14.0

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
DL-04	Elevated reporting limit due to high concentration of an interfering analyte(s).
H-09	Sample received by laboratory with insufficient time remaining to perform analysis within the recommended holding time.
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
MS-15	Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.
MS-23	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.
O-32	A dilution was performed as part of the standard analytical procedure.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
S-12	Surrogate recovery is outside of control limits on confirmatory column, but within control limits on primary column. Data validation is not affected.
V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 1030 in Soil	
Ignitability	NY,NH,CT,NC,ME,VA
SW-846 6010D in Soil	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8081B in Soil	
Aldrin	CT,NC,NH,NY,ME,VA
Aldrin [2C]	CT,NC,NH,NY,ME,VA
alpha-BHC	CT,NC,NH,NY,ME,VA
alpha-BHC [2C]	CT,NC,NH,NY,ME,VA
beta-BHC	CT,NC,NH,NY,ME,VA
beta-BHC [2C]	CT,NC,NH,NY,ME,VA
delta-BHC	CT,NC,NH,NY,ME,VA
delta-BHC [2C]	CT,NC,NH,NY,ME,VA
gamma-BHC (Lindane)	CT,NC,NH,NY,ME,VA
gamma-BHC (Lindane) [2C]	CT,NC,NH,NY,ME,VA
Chlordane	CT,NC,NH,NY,ME,VA
Chlordane [2C]	CT,NC,NH,NY,ME,VA
4,4'-DDD	CT,NC,NH,NY,ME,VA
4,4'-DDD [2C]	CT,NC,NH,NY,ME,VA
4,4'-DDE	CT,NC,NH,NY,ME,VA
4,4'-DDE [2C]	CT,NC,NH,NY,ME,VA
4,4'-DDT	CT,NC,NH,NY,ME,VA
4,4'-DDT [2C]	CT,NC,NH,NY,ME,VA
Dieldrin	CT,NC,NH,NY,ME,VA
Dieldrin [2C]	CT,NC,NH,NY,ME,VA
Endosulfan I	CT,NC,NH,NY,ME,VA
Endosulfan I [2C]	CT,NC,NH,NY,ME,VA
Endosulfan II	CT,NC,NH,NY,ME,VA
Endosulfan II [2C]	CT,NC,NH,NY,ME,VA
Endosulfan Sulfate	CT,NC,NH,NY,ME,VA
Endosulfan Sulfate [2C]	CT,NC,NH,NY,ME,VA
Endrin	CT,NC,NH,NY,ME,VA
Endrin [2C]	CT,NC,NH,NY,ME,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8081B in Soil	
Endrin Ketone	NC
Endrin Ketone [2C]	NC
Heptachlor	CT,NC,NH,NY,ME,VA
Heptachlor [2C]	CT,NC,NH,NY,ME,VA
Heptachlor Epoxide	CT,NC,NH,NY,ME,VA
Heptachlor Epoxide [2C]	CT,NC,NH,NY,ME,VA
Hexachlorobenzene	NC
Hexachlorobenzene [2C]	NC
Methoxychlor	CT,NC,NH,NY,ME,VA
Methoxychlor [2C]	CT,NC,NH,NY,ME,VA
Toxaphene	CT,NC,NH,NY,ME,VA
Toxaphene [2C]	CT,NC,NH,NY,ME,VA
SW-846 8081B in Water	
Aldrin	CT,NC,NH,NY,ME,VA
Aldrin [2C]	CT,NC,NH,NY,ME,VA
alpha-BHC	CT,NC,NH,NY,ME,VA
alpha-BHC [2C]	CT,NC,NH,NY,ME,VA
beta-BHC	CT,NC,NH,NY,ME,VA
beta-BHC [2C]	CT,NC,NH,NY,ME,VA
delta-BHC	CT,NC,NH,NY,ME,VA
delta-BHC [2C]	CT,NC,NH,NY,ME,VA
gamma-BHC (Lindane)	CT,NC,NH,NY,ME,VA
gamma-BHC (Lindane) [2C]	CT,NC,NH,NY,ME,VA
Chlordane	CT,NC,NH,NY,ME,VA
Chlordane [2C]	CT,NC,NH,NY,ME,VA
4,4'-DDD	CT,NC,NH,NY,ME,VA
4,4'-DDD [2C]	CT,NC,NH,NY,ME,VA
4,4'-DDE	CT,NC,NH,NY,ME,VA
4,4'-DDE [2C]	CT,NC,NH,NY,ME,VA
4,4'-DDT	CT,NC,NH,NY,ME,VA
4,4'-DDT [2C]	CT,NC,NH,NY,ME,VA
Dieldrin	CT,NC,NH,NY,ME,VA
Dieldrin [2C]	CT,NC,NH,NY,ME,VA
Endosulfan I	CT,NC,NH,NY,ME,VA
Endosulfan I [2C]	CT,NC,NH,NY,ME,VA
Endosulfan II	CT,NC,NH,NY,ME,VA
Endosulfan II [2C]	CT,NC,NH,NY,ME,VA
Endosulfan Sulfate	CT,NC,NH,NY,ME,VA
Endosulfan Sulfate [2C]	CT,NC,NH,NY,ME,VA
Endrin	CT,NC,NH,NY,ME,VA
Endrin [2C]	CT,NC,NH,NY,ME,VA
Endrin Ketone	NC
Endrin Ketone [2C]	NC
Heptachlor	CT,NC,NH,NY,ME,VA
Heptachlor [2C]	CT,NC,NH,NY,ME,VA
Heptachlor Epoxide	CT,NC,NH,NY,ME,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8081B in Water	
Heptachlor Epoxide [2C]	CT,NC,NH,NY,ME,VA
Hexachlorobenzene	NC
Hexachlorobenzene [2C]	NC
Methoxychlor	CT,NC,NH,NY,ME,VA
Methoxychlor [2C]	CT,NC,NH,NY,ME,VA
Toxaphene	CT,NC,NH,NY,ME,VA
Toxaphene [2C]	CT,NC,NH,NY,ME,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1262	NY,NC,VA,PA
Aroclor-1262 [2C]	NY,NC,VA,PA
Aroclor-1268	NY,NC,VA,PA
Aroclor-1268 [2C]	NY,NC,VA,PA
SW-846 8151A in Soil	
2,4-D	NY,ME,NC,NH,VA,CT
2,4-D [2C]	NY,ME,NC,NH,VA,CT
2,4-DB	NY,ME,NC,NH,VA,CT
2,4-DB [2C]	NY,ME,NC,NH,VA,CT
2,4,5-TP (Silvex)	NY,ME,NC,NH,VA,CT
2,4,5-TP (Silvex) [2C]	NY,ME,NC,NH,VA,CT
2,4,5-T	NY,ME,NC,NH,VA,CT
2,4,5-T [2C]	NY,ME,NC,NH,VA,CT
Dalapon	NY,ME,NC,NH,VA,CT
Dalapon [2C]	NY,ME,NC,NH,VA,CT
Dicamba	NY,ME,NC,NH,VA,CT
Dicamba [2C]	NY,ME,NC,NH,VA,CT
Dichloroprop	NY,ME,NC,NH,VA,CT
Dichloroprop [2C]	NY,ME,NC,NH,VA,CT
MCPA	NY,ME,NC,NH,VA,CT
MCPA [2C]	NY,ME,NC,NH,VA,CT
MCPP	NY,ME,NC,NH,VA,CT
MCPP [2C]	NY,ME,NC,NH,VA,CT
SW-846 8151A in Water	

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8151A in Water	
2,4-D	ME,NC,NH,CT,NY,VA
2,4-D [2C]	ME,NC,NH,CT,NY,VA
2,4-DB	ME,NC,NH,CT,NY,VA
2,4-DB [2C]	ME,NC,NH,CT,NY,VA
2,4,5-TP (Silvex)	ME,NC,NH,CT,NY,VA
2,4,5-TP (Silvex) [2C]	ME,NC,NH,CT,NY,VA
2,4,5-T	ME,NC,NH,CT,NY,VA
2,4,5-T [2C]	ME,NC,NH,CT,NY,VA
Dalapon	ME,NC,NH,CT,NY,VA
Dalapon [2C]	ME,NC,NH,CT,NY,VA
Dicamba	ME,NC,NH,CT,NY,VA
Dicamba [2C]	ME,NC,NH,CT,NY,VA
Dichloroprop	ME,NC,NH,CT,NY,VA
Dichloroprop [2C]	ME,NC,NH,CT,NY,VA
MCPA	NC,CT
MCPA [2C]	NC,CT
MCPP	NC,CT
MCPP [2C]	NC,CT
SW-846 8260D in Soil	
Acetone	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromochloromethane	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
1,2-Dibromo-3-chloropropane (DBCP)	NY
1,2-Dibromoethane (EDB)	NY
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Soil	
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
1,4-Dioxane	NY
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NH,NY
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NY
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
SW-846 8270E in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Acetophenone	NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Soil	
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
1,2-Diphenylhydrazine/Azobenzene	NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Soil	
Pyrene	CT,NY,NH
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

21K0885

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Access COC's and Support Requests

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Company Name:	Weston + Sampson
Address:	100 International Dr
Phone:	Portsmouth, NH
Project Name:	Pittsfield - East Street
Project Location:	Pittsfield, MA
Project Number:	
Project Manager:	Todd Bridges
Pace Quote Name/Number:	
Invoice Recipient:	Todd Bridges
Sampled By:	Meghan Shanahan

Requested Turnaround Time

7-Day ☐ 10-Day ☐
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required

1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Dissolved Metals Samples

○ Field Filtered
○ Lab to Filter

Orthophosphate Samples

○ Field Filtered
○ Lab to Filter

Data Delivery

Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To: bridgest@wseinc.com
Fax To #:

PCB ONLY

SOXHLET ☒
NON SOXHLET ☐

ANALYSIS REQUESTED

Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	PCBs 8082	VOCs	SVOCs	TPH	MCP Metals	Herb./Pest.	dioxin/furan	Oil & Grease
1	WS-B-236(5-14')		11/11/21 1000	grab	S	U		1				X							
2	WS-B-235(7-8')	↓	1030	↓	↓	↓		1				X							
3	WS-B-235(8-17')	↓	1030	↓	↓	↓		1				X							
4	WS-B-234(7-8')	↓	1040	↓	↓	↓		1				X							
5	WS-B-234(8-17')	↓	1040	↓	↓	↓		1				X							
6	WS-B-233(5-6')	↓	1100	↓	↓	↓		1				X							
7	WS-B-233(6-15')	↓	1100	↓	↓	↓		1				X							
8	WS-B-232(0-5')	↓	1115	composite	↓	↓	3	3					X	X	X	X	X	X	X
9	WS-B-232(5-6')	↓	1115	↓	↓	↓		1				X							
10	WS-B-232(6-15')	↓	1115	↓	↓	↓		1				X							

Relinquished by: (signature)	Date/Time:
[signature]	11/12/2021 0836
Received by: (signature)	Date/Time:
[signature]	11-12-21 8:30
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Run sample WS-B-229 (4-13) (received but not on COC) for PCBs per client.

Detection Limit Requirements

MA

☒ MA MCP Required
MCP Certification Form Required

CT

☐ CT RCP Required
RCP Certification Form Required

☐ MA State DW Required

Other

PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity

Government ☒ Federal ☐ City ☐
Municipality ☐ 21 J ☐ Brownfield ☐
MWRA ☐ School ☐ MBTA ☐
WRTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

[2] Preservation Code

Courier Use Only

Total Number Of:

VIALS______
GLASS______
PLASTIC______
BACTERIA______
ENCORE______

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Pace Analytical is not responsible for missing samples from prepacked coolers

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Lab Comments:

Disclaimer: Pace Analytical is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Pace Analytical values your partnership on each project and will try to assist with missing information, but will not be held accountable.

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Pace Analytical

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Company Name:	
Address:	
Phone:	
Project Name:	see page 1
Project Location:	
Project Number:	
Project Manager:	
Pace Quote Name/Number:	
Invoice Recipient:	
Sampled By:	

Requested Turnaround Time: 7-Day ☐ 10-Day ☐ PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required: 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐

Dissolved Metals Samples: ○ Field Filtered ○ Lab to Filter

Orthophosphate Samples: ○ Field Filtered ○ Lab to Filter

Data Delivery: Format: PDF ☒ EXCEL ☒ Other: CLP Like Data Pkg Required: ☐ Email To: bridgeot@awseinc.com Fax To #:

PCB ONLY: SOXHLET ☒ NON SOXHLET ☐

ANALYSIS REQUESTED: PCBs 8082; VOCs; SVOCs; TPH; MCP metals; herb/pest; dioxin/furan; Mar. cond.

Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	PCBs 8082	VOCs	SVOCs	TPH	MCP metals	herb/pest	dioxin/furan	Mar. cond.
11	WS-B-231(5-6')	11/11/21	1150	grab	S	U		1				X							
12	WS-B-231(6-15')	↓	1150	↓	↓	↓		1				X							
13	WS-B-230(4-13')	↓	1205	↓	↓	↓		1				X							
14	WS-B-211(5-7')	↓	1300	↓	↓	↓		1				X							
15	WS-B-211(7-9')	↓	1300	↓	↓	↓		1				X							
16	WS-B-211(9-10')	↓	1300	↓	↓	↓		1				X							
17	WS-B-228(0-4')	↓	1315	composite	↓	↓	3	3					X	X	X	X	X	X	X
18	WS-B-228(4-10')	↓	1315	↓	↓	↓		1				X							
19	WS-B-228(10-14')	↓	1315	↓	↓	↓		1				X							
20	WS-B-209(5-7')	↓	1330	↓	↓	↓		1				X							

Relinquished by: (signature)	Date/Time:
[signature]	11/12/2021 0830
Received by: (signature) [signature] 5.2	11-12-21 8:30
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements: MA / CT / Other:

Special Requirements: ☒ MA MCP Required; MCP Certification Form Required; ☐ CT RCP Required; RCP Certification Form Required; ☐ MA State DW Required; PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above: H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity: Government ☒ Federal ☒ City ☐ Municipality ☐ 21 J ☐ Brownfield ☐ MWRA ☐ School ☐ MBTA ☐ WRTA ☐

Other: ☐ Chromatogram ☐ *AIHA-LAP,LLC*

[2] Preservation Code

Courier Use Only

Total Number Of:
VIALS
GLASS
PLASTIC
BACTERIA
ENCORE

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Pace Analytical is not responsible for missing samples from prepacked coolers

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Lab Comments:

Disclaimer: Pace Analytical is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Pace Analytical values your partnership on each project and will try to assist with missing information, but will not be held accountable.

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Company Name:
Address:
Phone:
Project Name:
Project Location: See
Project Number: page 1
Project Manager:
Pace Quote Name/Number:
Invoice Recipient:
Sampled By:

Requested Turnaround Time: 7-Day ☐ 10-Day ☐ PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required: 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐

Data Delivery: Format: PDF ☒ EXCEL ☒ Other:
CLP Like Data Pkg Required: ☐
Email To: bridgeot@wseinc.com
Fax To #:

Dissolved Metals Samples: ○ Field Filtered ○ Lab to Filter

Orthophosphate Samples: ○ Field Filtered ○ Lab to Filter

PCB ONLY: SOXHLET ☒ NON SOXHLET ☐

ANALYSIS REQUESTED

Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	VOC	SVOC	EPH	MCP metals	Metals: Res.	Dioxin/Furans	PCB Cong		
21	WS-B-207(5-7')	11/11/21	1400	grab	S	U		1				X								
22	WS-B-226(6-7')		1510					1				X								
23	WS-B-226(7-9')		1510					1				X								
24	WS-B-226(9-16')		1510					1				X								
25	WS-B-226(0-6')		1510	composite			3	3					X	X	X	X	X	X	X	
26	WS-B-227(6-7')		1600					1				X								
27	WS-B-227(7-9')		1600					1				X								
28	WS-B-227(9-16')	↓	1600	↓	↓	↓		1				X								

[2] Preservation Code

Courier Use Only
Total Number Of:
VIALS____
GLASS____
PLASTIC____
BACTERIA____
ENCORE____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Pace Analytical is not responsible for missing samples from prepacked coolers

Relinquished by: (signature)	Date/Time:
[signature]	11/12/2021 0830
Received by: (signature) [signature] 5.2	11-12-21 8:30
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
Other

Special Requirements
☒ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☒ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Lab Comments:

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client WS3

Received By RLJ Date 11/10/21 Time 830

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____ Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 3 Actual Temp - 5.2°C By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? T Who was notified? NA

Is there enough Volume? T

Is there Headspace where applicable? NA MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? Acid NA Base NA

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	3
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	18
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	2514
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

WS-B-229 (4-13) received, not on COC

WO ID	Sample ID (OLD)	Sample ID (NEW)
21K0885-01	WS-B-236 (5-14)	WSE-236 (5-14)
21K0885-02	WS-B-235 (7-8)	WSE-235 (7-8)
21K0885-03	WS-B-235 (8-17)	WSE-235 (8-17)
21K0885-04	WS-B-234 (7-8)	WSE-234 (7-8)
21K0885-05	WS-B-234 (8-17)	WSE-234 (8-17)
21K0885-06	WS-B-233 (5-6)	WSE-233 (5-6)
21K0885-07	WS-B-233 (6-15)	WSE-233 (6-15)
21K0885-08	WS-B-232 (0-5)	WSE-232 (0-5)
21K0885-09	WS-B-232 (5-6)	WSE-232 (5-6)
21K0885-10	WS-B-232 (6-15)	WSE-232 (6-15)
21K0885-11	WS-B-231 (5-6)	WSE-231 (5-6)
21K0885-12	WS-B-231 (6-15)	WSE-231 (6-15)
21K0885-13	WS-B-230 (4-13)	WSE-230 (4-13)
21K0885-14	WS-B-211 (5-7)	WSE-211 (5-7)
21K0885-15	WS-B-211 (7-9)	WSE-211 (7-9)
21K0885-16	WS-B-211 (9-10)	WSE-211 (9-10)
21K0885-17	WS-B-228 (0-4)	WSE-228 (0-4)
21K0885-18	WS-B-228 (4-10)	WSE-228 (4-10)
21K0885-19	WS-B-228 (10-14)	WSE-228 (10-14)
21K0885-20	WS-B-209 (5-7)	WSE-209 (5-7)
21K0885-21	WS-B-207 (5-7)	WSE-207 (5-7)
21K0885-22	WS-B-226 (6-7)	WSE-226 (6-7)
21K0885-23	WS-B-226 (7-9)	WSE-226 (7-9)
21K0885-24	WS-B-226 (9-16)	WSE-226 (9-16)
21K0885-25	WS-B-226 (1-6)	WSE-226 (0-6)
21K0885-26	WS-B-227 (6-7)	WSE-227 (6-7)
21K0885-27	WS-B-227 (7-9)	WSE-227 (7-9)
21K0885-28	WS-B-227 (9-16)	WSE-227 (9-16)
21K0885-29	WS-B-229 (4-13)	WSE-229 (4-13)
21K1096-01	WS-B-202 (0-7)	WSE-202 (0-7)
21K1096-02	WS-B-220 (5-10)	WSE-220 (5-10)
21K1096-03	WS-B-223 (0-5)	WSE-223 (0-5)
21K1096-06	WS-B-220 (3-5)	WSE-220 (3-5)
21K1096-07	WS-B-221 (3-5)	WSE-221 (3-5)
21K1096-08	WS-B-220 (5-7)	WSE-220 (5-7)
21K1096-09	WS-B-220 (7-9)	WSE-220 (7-9)
21K1096-10	WS-B-220 (9-10)	WSE-220 (9-10)
21K1096-11	WS-B-224 (3-10)	WSE-224 (3-10)
21K1096-12	WS-B-223 (3-5)	WSE-223 (3-5)
21K1096-13	WS-B-223 (5-7)	WSE-223 (5-7)
21K1096-14	WS-B-223 (7-9)	WSE-223 (7-9)
21K1096-15	WS-B-223 (9-10)	WSE-223 (9-10)

Pace Analytical Services, LLC.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

www.pacelabs.com

Report Prepared for:

Kerry McGee
Con-Test Laboratories
39 Spruce Street
East Longmeadow MA 01028

REPORT OF LABORATORY ANALYSIS FOR PCDD/PCDF

Report Prepared Date:
December 9, 2021

Report Information:

Pace Project #: 10587700
Sample Receipt Date: 11/16/2021
Client Project #: 21K0885
Client Sub PO #: N/A
State Cert #: N/A

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 PCDD/PCDF Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Nick Gilmartin, your Pace Project Manager.

This report has been reviewed by:

December 09, 2021

Nick Gilmartin, Project Manager
(612) 656-2262
(612) 607-6444 (fax)
Nicholas.Gilmartin@pacelabs.com

Report of Laboratory Analysis

Pace Analytical Services, LLC.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

DISCUSSION

This report presents the results from the analyses performed on three samples submitted by a representative of Con-Test Analytical Laboratory. The samples were analyzed for the presence or absence of polychlorodibenzo-p-dioxins (PCDDs) and polychlorodibenzofurans (PCDFs) using a modified version of USEPA Method 8290. The estimated detection limits (EDLs) were based on signal-to-noise measurements. Estimated maximum possible concentration (EMPC) values were treated as positives in the toxic equivalence calculations.

Second column confirmation analyses of 2,3,7,8-TCDF values obtained from the primary (DB5-MS) column are performed only when specifically requested for a project and only when the values are above the concentration of the lowest calibration standard. Typical resolution for this isomer using the DB5-MS column ranges from 25-30%.

The recoveries of the isotopically-labeled PCDD/PCDF internal standards in the sample extracts ranged from 44-106%. All of the labeled internal standard recoveries obtained for this project were within the 40-135% target range specified in Method 8290. Also, since the quantification of the native 2,3,7,8-substituted congeners was based on isotope dilution, the data were automatically corrected for variation in recovery and accurate values were obtained.

Values were flagged "I" where incorrect isotope ratios were obtained. Concentrations below the calibration range were flagged "J" and should be regarded as estimates.

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results show that PCDDs and PCDFs were not detected.

Laboratory and matrix spike samples were also prepared using clean reference matrix or sample matrix that had been fortified with native standard materials. The results show that the spiked native compounds were recovered at 88-112% with relative percent differences of 0.1-7.0%. These results were within the target ranges for the method.

The responses obtained for the labeled 1,2,3,4,7,8,9-HpCDF and OCDD in calibration standard analyses F211125A_16 and L211123A_07 were outside the target range. As specified in our procedures for this method, the averages of the daily response factors for these compounds were used in the calculations for the samples from these runshifts. The affected values were flagged "Y" on the results tables. The accuracy of the native congener determinations was not impacted by these deviations.

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
		Missouri	10100
A2LA	2926.01	Montana	CERT0092
Alabama	40770	Nebraska	NE-OS-18-06
Alaska-DW	MN00064	Nevada	MN00064
Alaska-UST	17-009	New Hampshire	2081
Arizona	AZ0014	New Jersey	MN002
Arkansas - WW	88-0680	New York	11647
Arkansas-DW	MN00064	North Carolina-	27700
California	2929	North Carolina-	530
Colorado	MN00064	North Dakota	R-036
Connecticut	PH-0256	Ohio-DW	41244
Florida	E87605	Ohio-VAP (170	CL101
Georgia	959	Ohio-VAP (180	CL110
Hawaii	MN00064	Oklahoma	9507
Idaho	MN00064	Oregon- rimary	MN300001
Illinois	200011	Oregon-Second	MN200001
Indiana	C-MN-01	Pennsylvania	68-00563
Iowa	368	Puerto Rico	MN00064
Kansas	E-10167	South Carolina	74003
Kentucky-DW	90062	Tennessee	TN02818
Kentucky-WW	90062	Texas	T104704192
Louisiana-DEQ	AI-84596	Utah	MN00064
Louisiana-DW	MN00064	Vermont	VT-027053137
Maine	MN00064	Virginia	460163
Maryland	322	Washington	C486
Michigan	9909	West Virginia-D	382
Minnesota	027-053-137	West Virginia-D	9952C
Minnesota-Ag	via MN 027-053	Wisconsin	999407970
Minnesota-Petr	1240	Wyoming-UST	via A2LA 2926.
Mississippi	MN00064		

REPORT OF LABORATORY ANALYSIS

Report No.....10587700

Appendix A

Sample Management

SUBCONTRACT ORDER

Con-Test, a Pace Analytical Laboratory

21K0885

SENDING LABORATORY:

Con-Test, a Pace Analytical Laboratory
39 Spruce Street
East Longmeadow, MA 01028
Phone: 413.525.2332
Fax: 413.525.6405
Project Manager: Kerry K. McGee

RECEIVING LABORATORY:

Pace Analytical Laboratory - MN
1700 Elm Street
Minneapolis, MN 55414
Phone :(612) 607-1700
Fax: (612) 607-6444

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 21K0885-08	**Soil**	**Sampled:11/11/21 11:15**	001	**MA MCP**
S-Dioxins/Furans	11/23/21 15:30	11/18/21 11:15		
Containers Supplied:				
8 oz amber glass jar (C)				
Sample ID: 21K0885-17	**Soil**	**Sampled:11/11/21 13:15**	002	**MA MCP**
S-Dioxins/Furans	11/23/21 15:30	11/18/21 13:15		
Containers Supplied:				
8 oz amber glass jar (C)				
Sample ID: 21K0885-25	**Soil**	**Sampled:11/11/21 15:10**	003	**MA MCP**
S-Dioxins/Furans	11/23/21 15:30	11/18/21 15:10		
Containers Supplied:				
8 oz amber glass jar (C)				

WO# : 10587700

10587700

Released By	Date	Received By	Date
	11/15/21 1600	B/PACE	11/16/21 830 3.7°C
Released By	Date	Received By	Date

Pace Analytical®	Document Name: **Sample Condition Upon Receipt (SCUR) - MN**	Document Revised: 14Apr2021 **Page 1 of 1**
	Document No.: **ENV-FRM-MIN4-0150 Rev.02**	Pace Analytical Services - **Minneapolis**

Sample Condition Upon Receipt

Client Name: Con-Test **Project #:**

WO#: 10587700

PM: NEG **Due Date: 12/09/21**

CLIENT: CON-TEST

Courier: ☒Fed Ex ☐UPS ☐USPS ☐Client ☐Pace ☐SpeeDee ☐Commercial

Tracking Number: 7752 1389 0827 See Exceptions ☐ ENV-FRM-MIN4-0142

Custody Seal on Cooler/Box Present? ☐Yes ☒No **Seals Intact?** ☐Yes ☒No **Biological Tissue Frozen?** ☐Yes ☐No ☒N/A

Packing Material: ☒Bubble Wrap ☒Bubble Bags ☐None ☐Other:_____ **Temp Blank?** ☐Yes ☒No

Thermometer: ☐T1(0461) ☒T2(1336) ☐T3(0459) ☐OS418-LS ☐T4(0254) ☐T5(0489) ☐160285052 **Type of Ice:** ☒Wet ☐Blue ☐None ☐Dry ☐Melted

Did Samples Originate in West Virginia? ☐Yes ☒No **Were All Container Temps Taken?** ☐Yes ☐No ☒N/A

Temp should be above freezing to 6°C **Cooler Temp Read w/temp blank:**_____ °C **Average Corrected Temp (no temp blank only):** 3.7 °C ☒See Exceptions ENV-FRM-MIN4-0142 ☐1 Container

Correction Factor: +0.2 **Cooler Temp Corrected w/temp blank:**_____ °C

USDA Regulated Soil: (☐ N/A, water sample/Other:_____)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐Yes ☒No

Date/Initials of Person Examining Contents: HB 11/16/21

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐Yes ☒No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present and Filled Out?	☒Yes	☐No		1.
Chain of Custody Relinquished?	☒Yes	☐No		2.
Sampler Name and/or Signature on COC?	☐Yes	☐No	☒N/A	3.
Samples Arrived within Hold Time?	☒Yes	☐No		4.
Short Hold Time Analysis (<72 hr)?	☐Yes	☒No		5. ☐Fecal Coliform ☐HPC ☐Total Coliform/E coli ☐BOD/cBOD ☐Hex Chrome ☐Turbidity ☐Nitrate ☐Nitrite ☐Orthophos ☐Other_____
Rush Turn Around Time Requested?	☒Yes	☐No		6. 11/23/21
Sufficient Volume?	☒Yes	☐No		7.
Correct Containers Used? -Pace Containers Used?	☒Yes ☐Yes	☐No ☒No		8.
Containers Intact?	☒Yes	☐No		9.
Field Filtered Volume Received for Dissolved Tests?	☐Yes	☐No	☒N/A	10. Is sediment visible in the dissolved container? ☐Yes ☐No
Is sufficient information available to reconcile the samples to the COC? Matrix: ☐Water ☒Soil ☐Oil ☐Other_____	☒Yes	☐No		11. **If no, write ID/ Date/Time on Container Below:** **See Exception** ☐ ENV-FRM-MIN4-0142
All containers needing acid/base preservation have been checked?	☐Yes	☐No	☒N/A	12. Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>10 Cyanide)	☐Yes	☐No	☒N/A	☐NaOH ☐HNO_3 ☐H_2SO_4 ☐Zinc Acetate
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☐Yes	☐No	☒N/A	Positive for Res. Chlorine? ☐Yes ☐No **pH Paper Lot#** **See Exception** ☐ ENV-FRM-MIN4-0142
				Res. Chlorine | 0-6 Roll | 0-6 Strip | 0-14 Strip
Extra labels present on soil VOA or WIDRO containers?	☐Yes	☐No	☒N/A	13. **See Exception** ☐ ENV-FRM-MIN4-0140
Headspace in VOA Vials (greater than 6mm)?	☐Yes	☐No	☒N/A	
Trip Blank Present?	☐Yes	☐No	☒N/A	14.
Trip Blank Custody Seals Present?	☐Yes	☐No	☒N/A	Pace Trip Blank Lot # (if purchased):_____

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐Yes ☐No

Person Contacted:_____ Date/Time:_____

Comments/Resolution:_____

Project Manager Review: [redacted] **Date:** 11/16/21

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers).

Labeled by: HB (1)

Pace Analytical®	Document Name: **Sample Condition Upon Receipt (SCUR) Exception Form**	Document Revised: 04Jun2020 **Page 1 of 1**
	Document No.: **ENV-FRM-MIN4-0142 Rev.01**	Pace Analytical Services - **Minneapolis**

SCUR Exceptions:

Workorder #:

Out of Temp Sample IDs	Container Type	# of Containers

PM Notified? ☐Yes ☐No

If yes, indicate who was contacted/date/time.
If no, indicate reason why.

Multiple Cooler Project? ☐Yes ☐No
If you answered yes, fill out information to the left.

No Temp Blank

Read Temp	Corrected Temp	Average Temp
3.3	3.5	3.7
~~4.0~~	4.2	
3.1	3.3	

Tracking Number/Temperature	

Issue Type: Sample ID	Container Type	# of Containers

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preserv.	pH Upon Receipt	Date Adjusted	Time Adjusted	Amount Added (mL)	Lot # Added	pH After	In Compliance after addition?	Initials
								☐Yes ☐No	
								☐Yes ☐No	
								☐Yes ☐No	
								☐Yes ☐No	

Comments:

Pace Analytical
www.pacelabs.com

Ship to :
Pace Analytical-MN
1700 Elm Street
Minneapoli, MN 55414

Phone (612) 607-6444

INTER_LABORATORY WORK ORDER # _____
(To be complete by sending lab)

Sending Project No:	21K0885
Receiving Project No:	
Check Box for Consolidated Invoice:	
Date Prepared:	11/4/2021
REQUESTED COMPLETION DATE:	11/26/2021

Sending Region	**IR-57 East Longmeadow**	Sending Project Mgr.	Kerry McGee
Receiving Region	IR-10 Minneapolis	External Client	Weston & Sampson
State of Sample Origin	MA	QC Deliverable	**STD Report**

All questions should be addressed to sending project manager.

Requested Reportable Units _____ Report Wet or Dry Weight? dry Cert Needed: _____

WORK REQUESTED

Method Description	Container Type	Quantity of containers	Preservative	Quantity of Samples	Unit Price	Amount
Dioxins	8 oz	3	none	3	$ 500.00	1500
					TOTAL	$1,500.00

Special Requirements: MA MCP

Receiving Region Department	Accting Code	Totals from above	Revenue Allocation	
			Receiving Region (80%)	Client Services Dept. Sending Region (20%)
Minneapolis	10	$ 1,500.00	$ 1,200.00	$ 300.00
* Custom Revenue Allocation		TOTAL		

FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO

Chain of Custody Included: [x] Yes [ ] No Return Samples to Sending Reguion: [ ] Yes [x] No

Matrix: [x] Soil [ ] Water [ ] Air [ ] Other (identity) _____

CONFIRMATION OF WORK COMPLETED

Date Completed: _____ Receiving Project Manager: _____

Original sent to the receiving lab - Copy kept at the sending lab.

When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

Shipping Cost/Tracking # 7752 1389 0827 $27.68

Friday, June 17, 2016 11:01:35 AM FMT-ALL-C-001 rev.00 24March2009 Page 1 of 1

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Reporting Flags

A = Reporting Limit based on signal to noise (EDL)

B = Less than 10x higher than method blank level

C = Result obtained from confirmation analysis

D = Result obtained from analysis of diluted sample

E = Exceeds calibration range

I = Interferencepresent

J = Estimated value

L = Suppressive interference, analyte may be biased low

Nn = Value obtained from additional analysis

P = PCDEInterference

R = Recovery outside target range

S = Peak saturated

U = Analyte not detected

V = Result verified by confirmation analysis

X = %D Exceeds limits

Y = Calculated using average of daily RFs

* = SeeDiscussion

REPORT OF LABORATORY ANALYSIS

Appendix B

Sample Analysis Summary

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Sample Analysis Results

Client - Con-Test Laboratories

Client's Sample ID	21K0885-08		
Lab Sample ID	10587700001		
Filename	F211125A_04		
Injected By	CVS		
Total Amount Extracted	10.5 g	Matrix	Soil
% Moisture	13.6	Dilution	NA
Dry Weight Extracted	9.10 g	Collected	11/11/2021 11:15
ICAL ID	F211124	Received	11/16/2021 08:50
CCal Filename(s)	F211124C_17 & F211125A_16	Extracted	11/17/2021 12:20
Method Blank ID	BLANK-94602	Analyzed	11/25/2021 04:16

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	1.1	-----	0.24	J	2,3,7,8-TCDF-13C	2.00	77	
Total TCDF	4.8	-----	0.24		2,3,7,8-TCDD-13C	2.00	75	
					1,2,3,7,8-PeCDF-13C	2.00	72	
2,3,7,8-TCDD	ND	-----	0.28		2,3,4,7,8-PeCDF-13C	2.00	82	
Total TCDD	ND	-----	0.28		1,2,3,7,8-PeCDD-13C	2.00	92	
					1,2,3,4,7,8-HxCDF-13C	2.00	83	
1,2,3,7,8-PeCDF	0.55	-----	0.18	J	1,2,3,6,7,8-HxCDF-13C	2.00	78	
2,3,4,7,8-PeCDF	-----	0.57	0.10	IJ	2,3,4,6,7,8-HxCDF-13C	2.00	73	
Total PeCDF	4.4	-----	0.10	J	1,2,3,7,8,9-HxCDF-13C	2.00	47	
					1,2,3,4,7,8-HxCDD-13C	2.00	84	
1,2,3,7,8-PeCDD	ND	-----	0.100		1,2,3,6,7,8-HxCDD-13C	2.00	73	
Total PeCDD	0.47	-----	0.100	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	44	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	85	Y
1,2,3,4,7,8-HxCDF	1.0	-----	0.14	J	1,2,3,4,6,7,8-HpCDD-13C	2.00	80	
1,2,3,6,7,8-HxCDF	0.65	-----	0.28	J	OCDD-13C	4.00	77	Y
2,3,4,6,7,8-HxCDF	0.58	-----	0.12	J				
1,2,3,7,8,9-HxCDF	ND	-----	0.27		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	5.3	-----	0.12	J	1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	ND	-----	0.47		2,3,7,8-TCDD-37Cl4	0.20	79	
1,2,3,6,7,8-HxCDD	ND	-----	0.18					
1,2,3,7,8,9-HxCDD	ND	-----	0.19					
Total HxCDD	1.3	-----	0.18	J				
1,2,3,4,6,7,8-HpCDF	-----	2.2	0.23	IJ	Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	ND	-----	0.10		Equivalence: 1.5 ng/Kg			
Total HpCDF	ND	-----	0.10		(Lower-bound - Using MADEP Factors)			
1,2,3,4,6,7,8-HpCDD	-----	1.1	0.072	IJ				
Total HpCDD	ND	-----	0.072					
OCDF	1.9	-----	0.67	J				
OCDD	4.6	-----	1.0	J				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.
J = Estimated value
I = Interference present
Y = Calculated using average of daily RFs

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Sample Analysis Results

Client - Con-Test Laboratories

Client's Sample ID	21K0885-17		
Lab Sample ID	10587700002		
Filename	F211125A_05		
Injected By	CVS		
Total Amount Extracted	10.7 g	Matrix	Soil
% Moisture	12.2	Dilution	NA
Dry Weight Extracted	9.43 g	Collected	11/11/2021 13:15
ICAL ID	F211124	Received	11/16/2021 08:50
CCal Filename(s)	F211124C_17 & F211125A_16	Extracted	11/17/2021 12:20
Method Blank ID	BLANK-94602	Analyzed	11/25/2021 05:02

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	8.1	-----	1.0		2,3,7,8-TCDF-13C	2.00	68	
Total TCDF	81	-----	1.0		2,3,7,8-TCDD-13C	2.00	66	
					1,2,3,7,8-PeCDF-13C	2.00	69	
2,3,7,8-TCDD	ND	-----	0.41		2,3,4,7,8-PeCDF-13C	2.00	67	
Total TCDD	1.7	-----	0.41		1,2,3,7,8-PeCDD-13C	2.00	77	
					1,2,3,4,7,8-HxCDF-13C	2.00	70	
1,2,3,7,8-PeCDF	4.9	-----	0.57	J	1,2,3,6,7,8-HxCDF-13C	2.00	72	
2,3,4,7,8-PeCDF	16	-----	0.35		2,3,4,6,7,8-HxCDF-13C	2.00	64	
Total PeCDF	500	-----	0.35		1,2,3,7,8,9-HxCDF-13C	2.00	62	
					1,2,3,4,7,8-HxCDD-13C	2.00	70	
1,2,3,7,8-PeCDD	-----	0.53	0.33	IJ	1,2,3,6,7,8-HxCDD-13C	2.00	67	
Total PeCDD	0.84	-----	0.33	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	56	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	59	Y
1,2,3,4,7,8-HxCDF	7.8	-----	1.2		1,2,3,4,6,7,8-HpCDD-13C	2.00	58	
1,2,3,6,7,8-HxCDF	-----	66	1.4	P	OCDD-13C	4.00	53	Y
2,3,4,6,7,8-HxCDF	21	-----	1.5					
1,2,3,7,8,9-HxCDF	-----	1.4	0.50	IJ	1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	350	-----	0.50		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	ND	-----	0.64		2,3,7,8-TCDD-37Cl4	0.20	75	
1,2,3,6,7,8-HxCDD	1.8	-----	0.61	J				
1,2,3,7,8,9-HxCDD	-----	0.96	0.42	IJ				
Total HxCDD	8.8	-----	0.42					
1,2,3,4,6,7,8-HpCDF	26	-----	0.75		Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	-----	3.4	0.88	IJ	Equivalence: 55 ng/Kg			
Total HpCDF	68	-----	0.75		(Lower-bound - Using MADEP Factors)			
1,2,3,4,6,7,8-HpCDD	20	-----	0.87					
Total HpCDD	42	-----	0.87					
OCDF	-----	14	3.1	I				
OCDD	130	-----	1.5					

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.
J = Estimated value
P = PCDE Interference
I = Interference present
Y = Calculated using average of daily RFs

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Sample Analysis Results

Client - Con-Test Laboratories

Client's Sample ID	21K0885-25		
Lab Sample ID	10587700003		
Filename	F211125A_06		
Injected By	CVS		
Total Amount Extracted	14.4 g	Matrix	Soil
% Moisture	5.9	Dilution	NA
Dry Weight Extracted	13.6 g	Collected	11/11/2021 15:10
ICAL ID	F211124	Received	11/16/2021 08:50
CCal Filename(s)	F211124C_17 & F211125A_16	Extracted	11/17/2021 12:20
Method Blank ID	BLANK-94602	Analyzed	11/25/2021 05:48

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	ND	-----	0.20		2,3,7,8-TCDF-13C	2.00	82	
Total TCDF	ND	-----	0.20		2,3,7,8-TCDD-13C	2.00	78	
					1,2,3,7,8-PeCDF-13C	2.00	93	
2,3,7,8-TCDD	ND	-----	0.091		2,3,4,7,8-PeCDF-13C	2.00	94	
Total TCDD	ND	-----	0.091		1,2,3,7,8-PeCDD-13C	2.00	106	
					1,2,3,4,7,8-HxCDF-13C	2.00	85	
1,2,3,7,8-PeCDF	ND	-----	0.11		1,2,3,6,7,8-HxCDF-13C	2.00	89	
2,3,4,7,8-PeCDF	ND	-----	0.063		2,3,4,6,7,8-HxCDF-13C	2.00	82	
Total PeCDF	ND	-----	0.063		1,2,3,7,8,9-HxCDF-13C	2.00	81	
					1,2,3,4,7,8-HxCDD-13C	2.00	89	
1,2,3,7,8-PeCDD	ND	-----	0.065		1,2,3,6,7,8-HxCDD-13C	2.00	84	
Total PeCDD	ND	-----	0.065		1,2,3,4,6,7,8-HpCDF-13C	2.00	76	
					1,2,3,4,7,8,9-HpCDF-13C	2.00	85	Y
1,2,3,4,7,8-HxCDF	ND	-----	0.19		1,2,3,4,6,7,8-HpCDD-13C	2.00	81	
1,2,3,6,7,8-HxCDF	ND	-----	0.17		OCDD-13C	4.00	70	Y
2,3,4,6,7,8-HxCDF	ND	-----	0.12					
1,2,3,7,8,9-HxCDF	ND	-----	0.11		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	ND	-----	0.11		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	ND	-----	0.049		2,3,7,8-TCDD-37Cl4	0.20	84	
1,2,3,6,7,8-HxCDD	ND	-----	0.10					
1,2,3,7,8,9-HxCDD	ND	-----	0.096					
Total HxCDD	ND	-----	0.049					
1,2,3,4,6,7,8-HpCDF	-----	0.28	0.088	IJ	Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	ND	-----	0.13		Equivalence: 0.084 ng/Kg			
Total HpCDF	ND	-----	0.088		(Lower-bound - Using MADEP Factors)			
1,2,3,4,6,7,8-HpCDD	-----	0.45	0.065	IJ				
Total HpCDD	0.73	-----	0.065	J				
OCDF	ND	-----	0.25					
OCDD	-----	4.2	0.56	IJ				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.
J = Estimated value
I = Interference present
Y = Calculated using average of daily RFs

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
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Method 8290 Blank Analysis Results

Lab Sample Name	DFBLKPX		
Lab Sample ID	BLANK-94602	Matrix	Solid
Filename	L211123A_05	Dilution	NA
Total Amount Extracted	20.0 g	Extracted	11/17/2021 12:20
ICAL ID	L211103	Analyzed	11/23/2021 10:00
CCal Filename(s)	L211123A_02 & L211123A_07	Injected By	CVS

Native Isomers	Conc ng/Kg	EMPC ng/Kg	EDL ng/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.030	2,3,7,8-TCDF-13C	2.00	85
Total TCDF	ND	-----	0.030	2,3,7,8-TCDD-13C	2.00	61
				1,2,3,7,8-PeCDF-13C	2.00	67
2,3,7,8-TCDD	ND	-----	0.059	2,3,4,7,8-PeCDF-13C	2.00	56
Total TCDD	ND	-----	0.059	1,2,3,7,8-PeCDD-13C	2.00	63
				1,2,3,4,7,8-HxCDF-13C	2.00	86
1,2,3,7,8-PeCDF	ND	-----	0.018	1,2,3,6,7,8-HxCDF-13C	2.00	92
2,3,4,7,8-PeCDF	ND	-----	0.020	2,3,4,6,7,8-HxCDF-13C	2.00	75
Total PeCDF	ND	-----	0.018	1,2,3,7,8,9-HxCDF-13C	2.00	70
				1,2,3,4,7,8-HxCDD-13C	2.00	85
1,2,3,7,8-PeCDD	ND	-----	0.026	1,2,3,6,7,8-HxCDD-13C	2.00	83
Total PeCDD	ND	-----	0.026	1,2,3,4,6,7,8-HpCDF-13C	2.00	67
				1,2,3,4,7,8,9-HpCDF-13C	2.00	75 Y
1,2,3,4,7,8-HxCDF	ND	-----	0.060	1,2,3,4,6,7,8-HpCDD-13C	2.00	65
1,2,3,6,7,8-HxCDF	ND	-----	0.055	OCDD-13C	4.00	74 Y
2,3,4,6,7,8-HxCDF	ND	-----	0.062			
1,2,3,7,8,9-HxCDF	ND	-----	0.068	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	0.055	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.072	2,3,7,8-TCDD-37Cl4	0.20	63
1,2,3,6,7,8-HxCDD	ND	-----	0.065			
1,2,3,7,8,9-HxCDD	ND	-----	0.051			
Total HxCDD	ND	-----	0.051			
1,2,3,4,6,7,8-HpCDF	ND	-----	0.057	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	0.084	Equivalence: 0.0059 ng/Kg		
Total HpCDF	ND	-----	0.057	(Lower-bound - Using MADEP Factors)		
1,2,3,4,6,7,8-HpCDD	-----	0.053	0.043 IJ			
Total HpCDD	ND	-----	0.043			
OCDF	-----	0.13	0.11 IJ			
OCDD	-----	0.46	0.16 IJ			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

Results reported on a total weight basis and are valid to no more than 2 significant figures.
J = Estimated value
I = Interference present
Y = Calculated using average of daily RFs

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

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Method 8290 Laboratory Control Spike Results

Lab Sample ID	LCS-94603		
Filename	L211123A_03	Matrix	Solid
Total Amount Extracted	20.3 g	Dilution	NA
ICAL ID	L211103	Extracted	11/17/2021 12:20
CCal Filename(s)	L211123A_02 & L211123A_07	Analyzed	11/23/2021 08:33
Method Blank ID	BLANK-94602	Injected By	CVS

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	0.20	102	2,3,7,8-TCDF-13C	2.0	72
Total TCDF				2,3,7,8-TCDD-13C	2.0	64
				1,2,3,7,8-PeCDF-13C	2.0	53
2,3,7,8-TCDD	0.20	0.22	108	2,3,4,7,8-PeCDF-13C	2.0	46
Total TCDD				1,2,3,7,8-PeCDD-13C	2.0	49
				1,2,3,4,7,8-HxCDF-13C	2.0	87
1,2,3,7,8-PeCDF	1.0	1.0	102	1,2,3,6,7,8-HxCDF-13C	2.0	92
2,3,4,7,8-PeCDF	1.0	1.0	101	2,3,4,6,7,8-HxCDF-13C	2.0	74
Total PeCDF				1,2,3,7,8,9-HxCDF-13C	2.0	65
				1,2,3,4,7,8-HxCDD-13C	2.0	87
1,2,3,7,8-PeCDD	1.0	0.92	92	1,2,3,6,7,8-HxCDD-13C	2.0	86
Total PeCDD				1,2,3,4,6,7,8-HpCDF-13C	2.0	64
				1,2,3,4,7,8,9-HpCDF-13C	2.0	72 Y
1,2,3,4,7,8-HxCDF	1.0	1.1	107	1,2,3,4,6,7,8-HpCDD-13C	2.0	64
1,2,3,6,7,8-HxCDF	1.0	1.0	103	OCDD-13C	4.0	69 Y
2,3,4,6,7,8-HxCDF	1.0	1.0	103			
1,2,3,7,8,9-HxCDF	1.0	1.00	100	1,2,3,4-TCDD-13C	2.0	NA
Total HxCDF				1,2,3,7,8,9-HxCDD-13C	2.0	NA
1,2,3,4,7,8-HxCDD	1.0	1.1	107	2,3,7,8-TCDD-37Cl4	0.20	68
1,2,3,6,7,8-HxCDD	1.0	1.1	106			
1,2,3,7,8,9-HxCDD	1.0	0.90	90			
Total HxCDD						
1,2,3,4,6,7,8-HpCDF	1.0	1.0	105			
1,2,3,4,7,8,9-HpCDF	1.0	1.1	105			
Total HpCDF						
1,2,3,4,6,7,8-HpCDD	1.0	0.97	97			
Total HpCDD						
OCDF	2.0	2.1	104			
OCDD	2.0	2.1	106			

Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
R = Recovery outside of target range

Y = RF averaging used in calculations
Nn = Value obtained from additional analysis
NA = Not Applicable
* = See Discussion

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Spiked Sample Report

Client - Con-Test Laboratories

Client's Sample ID	21K0885-08-MS		
Lab Sample ID	10587700001-MS		
Filename	F211125A_01	Matrix	Soil
Total Amount Extracted	10.7 g	Dilution	NA
ICAL ID	F211124	Extracted	11/17/2021 12:20
CCal Filename(s)	F211124C_17 & F211125A_16	Analyzed	11/25/2021 01:58
Method Blank ID	BLANK-94602	Injected By	CVS

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	0.20	93	2,3,7,8-TCDF-13C	2.00	69
				2,3,7,8-TCDD-13C	2.00	66
				1,2,3,7,8-PeCDF-13C	2.00	69
2,3,7,8-TCDD	0.20	0.21	104	2,3,4,7,8-PeCDF-13C	2.00	70
				1,2,3,7,8-PeCDD-13C	2.00	81
				1,2,3,4,7,8-HxCDF-13C	2.00	75
1,2,3,7,8-PeCDF	1.00	0.93	92	1,2,3,6,7,8-HxCDF-13C	2.00	76
2,3,4,7,8-PeCDF	1.00	0.93	93	2,3,4,6,7,8-HxCDF-13C	2.00	66
				1,2,3,7,8,9-HxCDF-13C	2.00	57
				1,2,3,4,7,8-HxCDD-13C	2.00	73
1,2,3,7,8-PeCDD	1.00	0.88	88	1,2,3,6,7,8-HxCDD-13C	2.00	69
				1,2,3,4,6,7,8-HpCDF-13C	2.00	54
				1,2,3,4,7,8,9-HpCDF-13C	2.00	74 Y
1,2,3,4,7,8-HxCDF	1.00	1.03	103	1,2,3,4,6,7,8-HpCDD-13C	2.00	75
1,2,3,6,7,8-HxCDF	1.00	0.97	97	OCDD-13C	4.00	72 Y
2,3,4,6,7,8-HxCDF	1.00	0.96	96			
1,2,3,7,8,9-HxCDF	1.00	0.95	95	1,2,3,4-TCDD-13C	2.00	NA
				1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.00	1.04	104	2,3,7,8-TCDD-37Cl4	0.20	69
1,2,3,6,7,8-HxCDD	1.00	1.05	105			
1,2,3,7,8,9-HxCDD	1.00	0.96	96			
1,2,3,4,6,7,8-HpCDF	1.00	1.06	106			
1,2,3,4,7,8,9-HpCDF	1.00	0.97	97			
1,2,3,4,6,7,8-HpCDD	1.00	0.90	90			
OCDF	2.00	1.90	94			
OCDD	2.00	2.13	104			

Qs = Quantity Spiked Qm = Quantity Measured Rec. = Recovery (Expressed as Percent)

Results reported on a dry weight basis and are valid to no more than 2 significant figures.
Y = Calculated using average of daily RFs

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Spiked Sample Report

Client - Con-Test Laboratories

Client's Sample ID	21K0885-08-MSD		
Lab Sample ID	10587700001-MSD		
Filename	F211125A_02	Matrix	Soil
Total Amount Extracted	10.6 g	Dilution	NA
ICAL ID	F211124	Extracted	11/17/2021 12:20
CCal Filename(s)	F211124C_17 & F211125A_16	Analyzed	11/25/2021 02:44
Method Blank ID	BLANK-94602	Injected By	CVS

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	0.20	97	2,3,7,8-TCDF-13C	2.00	75
				2,3,7,8-TCDD-13C	2.00	72
				1,2,3,7,8-PeCDF-13C	2.00	79
2,3,7,8-TCDD	0.20	0.21	107	2,3,4,7,8-PeCDF-13C	2.00	81
				1,2,3,7,8-PeCDD-13C	2.00	92
				1,2,3,4,7,8-HxCDF-13C	2.00	77
1,2,3,7,8-PeCDF	1.00	0.96	95	1,2,3,6,7,8-HxCDF-13C	2.00	79
2,3,4,7,8-PeCDF	1.00	0.95	95	2,3,4,6,7,8-HxCDF-13C	2.00	73
				1,2,3,7,8,9-HxCDF-13C	2.00	71
				1,2,3,4,7,8-HxCDD-13C	2.00	82
1,2,3,7,8-PeCDD	1.00	0.91	91	1,2,3,6,7,8-HxCDD-13C	2.00	73
				1,2,3,4,6,7,8-HpCDF-13C	2.00	67
				1,2,3,4,7,8,9-HpCDF-13C	2.00	83 Y
1,2,3,4,7,8-HxCDF	1.00	1.09	108	1,2,3,4,6,7,8-HpCDD-13C	2.00	82
1,2,3,6,7,8-HxCDF	1.00	1.04	103	OCDD-13C	4.00	76 Y
2,3,4,6,7,8-HxCDF	1.00	0.98	98			
1,2,3,7,8,9-HxCDF	1.00	0.99	99	1,2,3,4-TCDD-13C	2.00	NA
				1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.00	1.01	101	2,3,7,8-TCDD-37Cl4	0.20	77
1,2,3,6,7,8-HxCDD	1.00	1.05	105			
1,2,3,7,8,9-HxCDD	1.00	0.91	91			
1,2,3,4,6,7,8-HpCDF	1.00	1.12	112			
1,2,3,4,7,8,9-HpCDF	1.00	1.02	102			
1,2,3,4,6,7,8-HpCDD	1.00	0.96	96			
OCDF	2.00	1.97	97			
OCDD	2.00	2.25	110			

Qs = Quantity Spiked Qm = Quantity Measured Rec. = Recovery (Expressed as Percent)

Results reported on a dry weight basis and are valid to no more than 2 significant figures.
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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
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Method 8290 Spike Sample Results

Client - Con-Test Laboratories

Client Sample ID	21K0885-08		
Lab Sample ID	10587700001	Sample Filename	F211125A_04
MS ID	10587700001-MS	MS Filename	F211125A_01
MSD ID	10587700001-MSD	MSD Filename	F211125A_02

	Quantity	Unspiked Sample Contribution		Quantity Measured			Subtracted Recovery	
	Spiked	to MS	to MSD	MS	MSD		MS	MSD
Analyte	(ng)	(ng)	(ng)	(ng)	(ng)	RPD	(%)	(%)
2,3,7,8-TCDF	0.20	0.0101	0.00999	0.20	0.20	3.9	93	97
2,3,7,8-TCDD	0.20	ND	ND	0.21	0.21	2.9	104	107
1,2,3,7,8-PeCDF	1.00	0.00508	0.00502	0.93	0.96	2.9	92	95
2,3,4,7,8-PeCDF	1.00	ND	ND	0.93	0.95	1.8	93	95
1,2,3,7,8-PeCDD	1.00	ND	ND	0.88	0.91	3.9	88	91
1,2,3,4,7,8-HxCDF	1.00	0.00960	0.00950	1.03	1.09	4.9	103	108
1,2,3,6,7,8-HxCDF	1.00	0.00604	0.00597	0.97	1.04	6.6	97	103
2,3,4,6,7,8-HxCDF	1.00	0.00540	0.00534	0.96	0.98	2.3	96	98
1,2,3,7,8,9-HxCDF	1.00	ND	ND	0.95	0.99	3.3	95	99
1,2,3,4,7,8-HxCDD	1.00	ND	ND	1.04	1.01	2.8	104	101
1,2,3,6,7,8-HxCDD	1.00	ND	ND	1.05	1.05	0.1	105	105
1,2,3,7,8,9-HxCDD	1.00	ND	ND	0.96	0.91	5.1	96	91
1,2,3,4,6,7,8-HpCDF	1.00	ND	ND	1.06	1.12	5.1	106	112
1,2,3,4,7,8,9-HpCDF	1.00	ND	ND	0.97	1.02	5.3	97	102
1,2,3,4,6,7,8-HpCDD	1.00	ND	ND	0.90	0.96	7.0	90	96
OCDF	2.00	0.0175	0.0173	1.90	1.97	3.4	94	97
OCDD	2.00	0.0427	0.0422	2.13	2.25	5.6	104	110

Quantity Spiked - the amount of analyte spiked into the spiked samples
Unspiked Sample Contribution - calculated based on the amount found in the sample and the extracted amounts of the spiked and unspiked samples
Quantity Measured - the total amount of analyte measured in the spiked samples
RPD - the Relative Percent Difference of the spiked sample Quantity Measured values
Subtracted Recovery - calculated after subtracting the unspiked sample contribution

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test, a Pace Analytical Laboratory	Project #: 21K0885
Project Location: Pittsfield, MA	RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

21K0885-01 thru 21K0885-29

Matrices: Soil

CAM Protocol (check all that below)

8260 VOC CAM II A (X)	7470/7471 Hg CAM IIIB (X)	MassDEP VPH (GC/PID/FID) CAM IV A ( )	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )
8270 SVOC CAM II B (X)	7010 Metals CAM III C ( )	MassDEP VPH (GC/MS) CAM IV C ( )	8081 Pesticides CAM V B (X)	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
6010 Metals CAM III A (X)	6020 Metals CAM III D ( )	MassDEP EPH CAM IV B ( )	8151 Herbicides CAM V C (X)	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )

Affirmative response to Questions A throughF is required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☑ Yes	☐ No[1]
B	Were the analytical method(s) and all associated QC requirements specificed in the selected CAM protocol(s) followed?	☑ Yes	☐ No[1]
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☑ Yes	☐ No[1]
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidlines for the Acquisition and Reporting of Analytical Data?	☑ Yes	☐ No[1]
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	☐ Yes	☐ No[1]
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes	☐ No[1]
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Qestions A through E)?	☑ Yes	☐ No[1]

A response to questions G, H and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☑ Yes	☐ No[1]

***Data User Note:* Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

H	Were all QC perfomance standards specified in the CAM protocol(s) achieved?	☐ Yes	☑ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☑ Yes	☐ No[1]

[1] *All Negative responses must be addressed in an attached Environmental Laboratory case narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Lisa Worthington Position: Technical Representative

Printed Name: Lisa A. Worthington Date: 12/09/21