



Limited Phase II Environmental Site Assessment

Proposed 411 Columbia Street Redevelopment Site

Project / Site Location:

411 Columbia Street
City of Utica, New York 13502

Prepared for:

Mr. Bryan Bowers
Utica Med Building, LLC
6308 Fly Road
East Syracuse, New York 13057

Prepared by:

Asbestos & Environmental Consulting Corporation (AECC)
6308 Fly Road
East Syracuse, New York 13057



May 31, 2023

Mr. Bryan Bowers
Utica Med Building, LLC
6308 Fly Road
East Syracuse, New York 13057

**RE: Limited Phase II Environmental Site Assessment
Proposed 411 Columbia Street Redevelopment Site
411 Columbia Street, City of Utica, New York 13502
AECC Project Number: 21-015**

Dear Mr. Bowers:

The Asbestos & Environmental Consulting Corporation (AECC) completed a limited Phase II Environmental Site Assessment (ESA) of the proposed 411 Columbia Street Redevelopment Site, located at 411 Columbia Street, in the City of Utica, New York (see Figure 1). This report summarizes AECC's sampling activities, soil / groundwater exceedances, and provides a recommendation relative to the Client's future development plans.

BACKGROUND INFORMATION

A Phase I Environmental Site Assessment (Phase I ESA) was completed for the Site in August 2021 by Ambient Environmental, Inc. (Ambient). The Phase I ESA identified one Recognized Environmental Conditions (RECs) in connection with the subject property, as follows:

- Former Gas Station / Possible Petroleum USTs in Vicinity of Site: A Stewarts Shop gas station is located at 425 Court Street, approximately 648 ft southwest of the site at a higher elevation. Spill no. 1110632 occurred after contamination was uncovered at the site following a Phase II subsurface investigation. The contamination was believed to have been associated with historic contamination with the former gas station at the site in connection with spill no. 9801222. On 6 October 2016, spill no. 9801222 was closed as "not meeting cleanup standards." Additionally, spill no. 2007962 occurred on 9 December 2020 after approximately twenty gallons of gasoline was released to the surrounding environment. Spill no. 9801222 is listed as "not closed."

In order to address the REC identified by Ambient, further investigation was performed by AECC to determine if environmental contaminants were present in soils and/or groundwater at the Property.

SAMPLING ACTIVITIES

Soil Boring & Sampling Activities: Drilling services were provided by Parratt-Wolff, Inc. on March 1-3, 2023. Soil borings were advanced at eight (8) locations (see Figure 2: Sampling Locations). Soil samples collected for laboratory analysis from these borings were selected based upon field observations encountered. In general, soil samples were collected from surface soils (directly beneath the vegetative or asphalt / sub-base layers) and the interval directly above the groundwater interface (since no significant PID responses were noted). Post

Mr. Bryan Bowers
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Limited Phase II Environmental Site Assessment
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collection, these soil samples were placed into coolers and transported under proper chain-of-custody to the Eurofins Environment Testing Northeast (EETNE) Service Center in Syracuse, New York, for the following analysis:

- Target Compound List (TCL) VOCs, via USEPA Method 8260C,
- TCL SVOCs, via USEPA Method 8270D,
- Target Analyte List (TAL) metals, via USEPA Methods 6010C/7471B, and
- Total Polychlorinated Biphenyls (PCBs), via USEPA Method 8082A.

Groundwater Sampling Activities: Temporary one-inch (1") diameter monitoring wells were installed adjacent to soil borings SB-05, SB-07, and SB-08 as a means for sampling groundwater. These wells were designated as TW-01, TW-02, and TW-03 respectively (see Figure 2: Sampling Locations). Each well was purged utilizing a peristaltic pump and associated tubing to stabilize groundwater parameters and reduce groundwater turbidity; unfortunately, monitoring well TW-03 did not produce enough groundwater volume to be properly developed / sampled. Post collection on April 4, 2023, the two (2) groundwater samples were placed into coolers and transported under proper chain-of-custody to the EETNE Service Center in Syracuse, for the following analysis:

- TCL VOCs via USEPA Method 8260C,
- TCL SVOCs via USEPA Method 8270D,
- TAL Metals, via USEPA Methods 6010C/7471B, and
- Total PCBs, via USEPA Method 8082A.

Surficial Soil Sampling: Surficial sampling (0-6" bgs) was performed around the perimeter of the site on April 5, 2023; however, these five (5) samples were analyzed for semi-volatile organic compounds (SVOCs) and metals only (as no VOCs or PCBs concerns were identified in the previous soil samples collected and analyzed from the Site).

SUMMARY OF SOIL EXCEEDANCES

Post evaluation of the laboratory results, the following soil exceedances were identified in comparison with Unrestricted Soil Cleanup Objectives (SCOs), set forth by the New York State Department of Environmental Conservation (NYSDEC):

<u>Location</u>	<u>Interval*</u>	<u>Unrestricted SCO Exceedances**</u>
SB-01.....	0-6" bgs.....	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, mercury, barium, iron, lead, manganese, zinc
	2-3' bgs.....	iron, manganese
SB-02.....	0-6" bgs.....	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, mercury, arsenic, barium, iron, lead, manganese, zinc
	5-6' bgs.....	benzo(a)pyrene, benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene, mercury, iron, lead, zinc

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Limited Phase II Environmental Site Assessment
Proposed 411 Columbia Street Redevelopment Site

SB-03.....6-12" bgs..... mercury, copper, iron, lead, zinc
7-8' bgs..... iron

SB-04.....6-12" bgs..... iron
7-8' bgs..... iron, lead, zinc

SB-05.....6-12" bgs..... benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene,
benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene,
fluoranthene, indeno(1,2,3-cd)pyrene, pyrene, iron
5-6' bgs..... benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene,
benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, iron

SB-06.....6-12" bgs..... iron, lead
4-5' bgs..... arsenic, iron

SB-07.....0-6" bgs..... iron, lead, nickel
8-8.5' bgs.....iron

SB-08.....12-18" bgs.....iron
8-9' bgs..... iron

SB-09.....0-6" bgs..... mercury, arsenic, iron, lead, zinc

SB-10.....0-6" bgs..... indeno(1,2,3-cd)pyrene, iron, mercury, lead, nickel

SB-11.....0-6" bgs..... iron, mercury, lead

SB-12.....0-6" bgs..... iron, lead

SB-13.....0-6" bgs..... arsenic, cobalt, iron, lead, nickel

**Note: Sampling depth below ground surface.*

***Note: The concentrations for each contaminant may be found on Figure 3 (Attachment A) or within the associated laboratory reports (Attachments B & C).*

SUMMARY OF GROUNDWATER EXCEEDANCES

Post evaluation of the laboratory results, the following exceedances were identified in comparison with Ambient Water Quality Standards (AWQS), set forth by the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS):

<u>Location</u>	<u>Interval*</u>	<u>TOGS AWQS Exceedances**</u>
TW-01.....	9.68' bgs.....	iron, magnesium, manganese, sodium
TW-02.....	10.7' bgs.....	iron, sodium

**Note: Sampling depth below ground surface.*

***Note: The concentrations for each contaminant may be found on Figure 3 (Attachment A) or within the associated laboratory reports (Attachments B & C).*

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Utica Med Building, LLC
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ANTICIPATED DEVELOPMENT PLANS / AECC RECOMMENDATION

Anticipated Development Plans: Based upon discussions with the Client, the intended development plans include the construction of a medical office building, with the potential for residential apartment units on the upper floors.

AECC Recommendation: Based upon the results of the laboratory data collected to date, the site appears to be a good candidate for the NYS BCP due to the following:

- Environmental contaminants, in excess of Unrestricted SCOs, were found in site soils across the project site and at multiple depths
- Environmental contaminants, in excess of AWQS, were found in both groundwater samples
- Soil contamination concentrations are significant, as they exceeded Industrial SCOs at five (5) locations
- Remediation work shall be necessary in order to complete planned development activities

However, it should be noted that in order for the site to gain entry into this program, an application must be submitted to the NYSDEC for their review and consideration.

If you have any questions relative to this report, please do not hesitate to contact me directly at AECC's corporate office (315-432-9400).

Sincerely,
Asbestos & Environmental Consulting Corporation

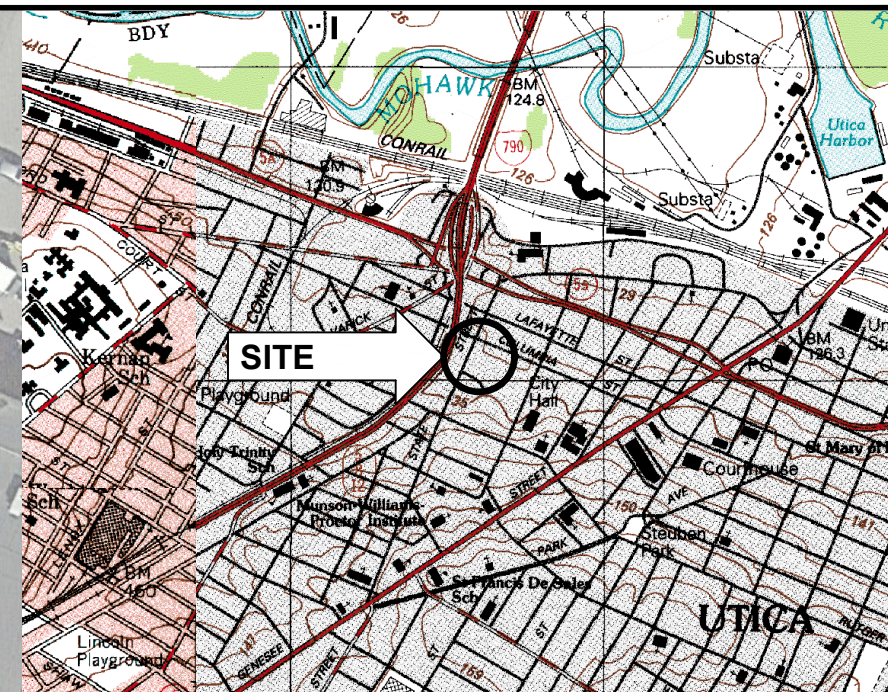
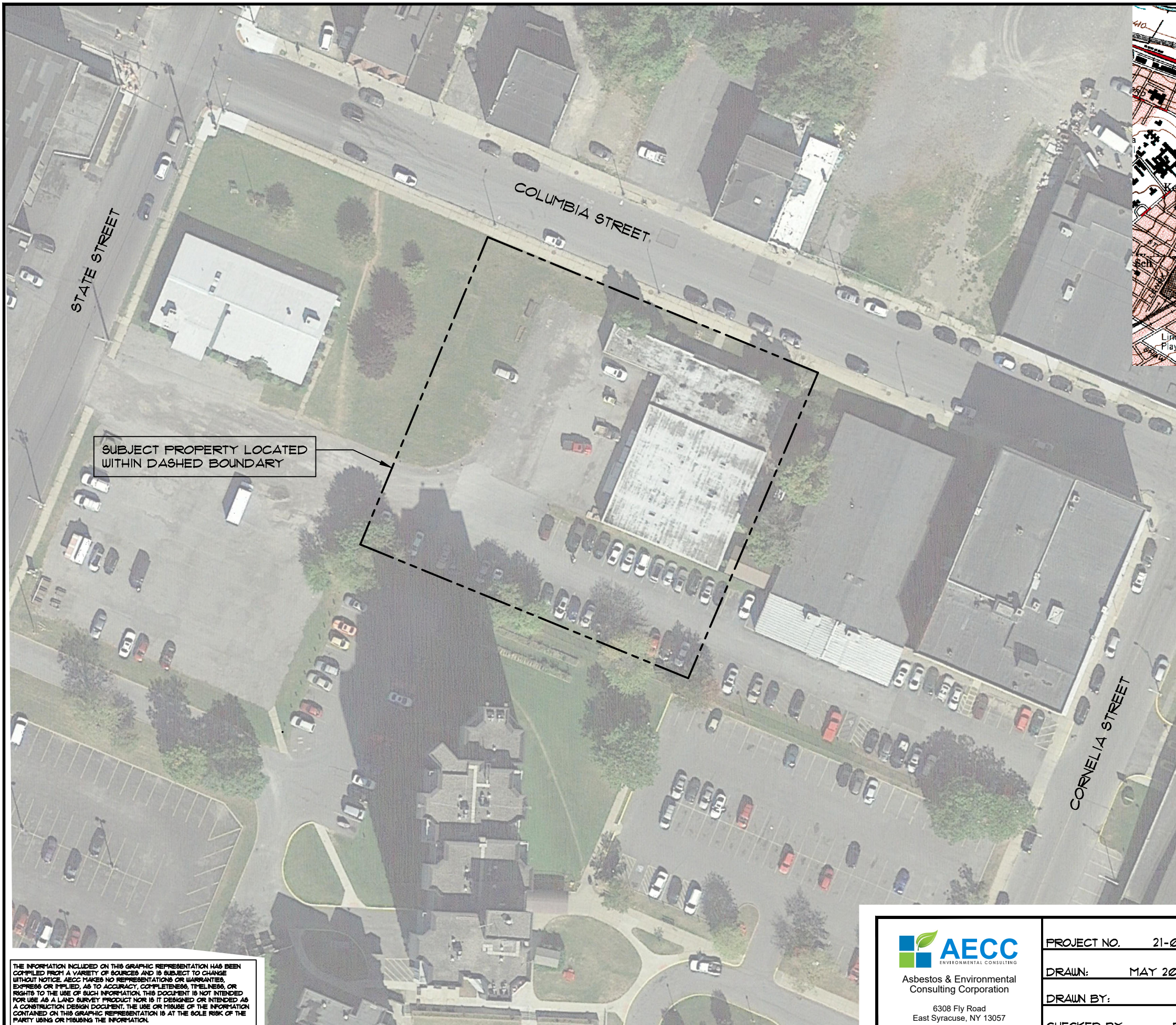


George Fischer
Senior Staff Professional

Attachment A: Figures 1, 2 & 3
Attachment B: Laboratory Analysis Reports, March 2023 Sampling Event
Attachment C: Laboratory Analysis Reports, April 2023 Sampling Event

Attachment A

Figures 1, 2 & 3



SITE LOCATION

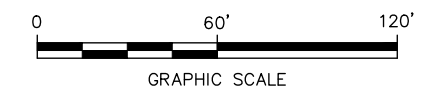


LEGEND:

--- --- --- APPROXIMATE PROPERTY LINE

NOTES:

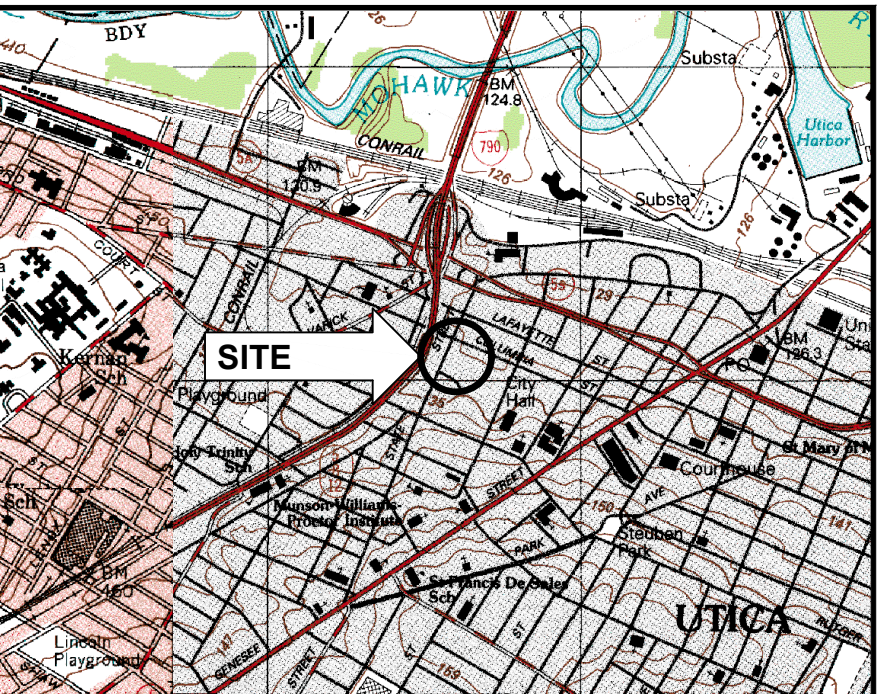
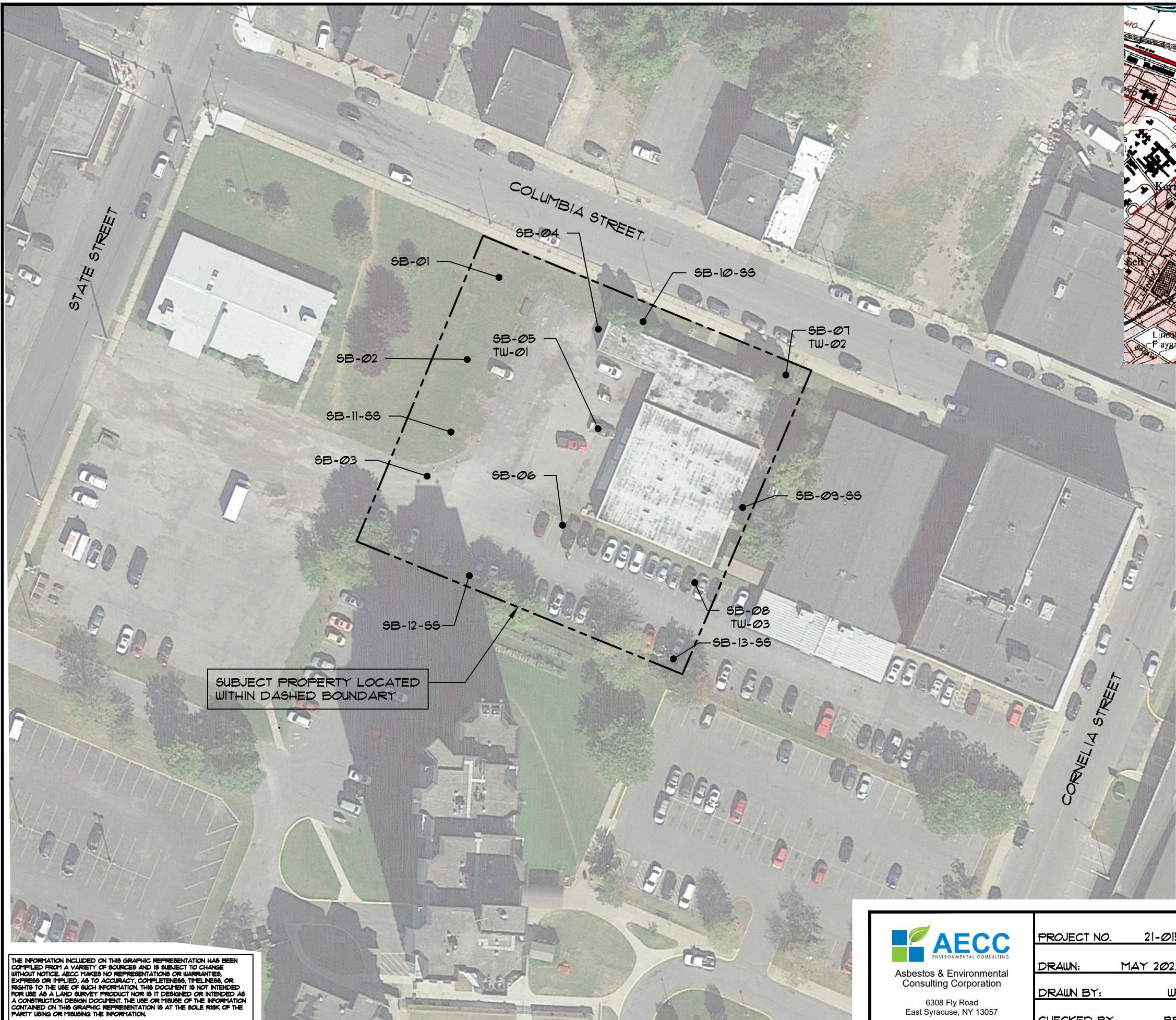
1. AERIAL PHOTOGRAPH FROM GOOGLE EARTH WEBSITE (PHOTO TAKEN OCTOBER, 2017).
2. APPROXIMATE PROPERTY LINE BASED ON ONEIDA COUNTY GIS MAPS.
3. ALL LOCATIONS ARE APPROXIMATE.
4. IMAGES SHOWN OUTSIDE OF PROPERTY BOUNDARY MAY NOT BE ACCURATE, DUE TO MAJOR CONSTRUCTION EVENTS ON THE SURROUNDING PROPERTIES.



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AECC
ENVIRONMENTAL CONSULTING
Asbestos & Environmental
Consulting Corporation
6308 Fly Road
East Syracuse, NY 13057

PROJECT NO.	21-015	411 COLUMBIA STREET REDEVELOPMENT SITE 411 Columbia Street Utica, New York 13502	FIGURE 1
DRAWN:	MAY 2023		
DRAWN BY:	WF		
CHECKED BY:	BB		
		SITE PLAN	



SITE LOCATION



- LEGEND:**
- SB- ## SOIL BORING LOCATION
 - TW- ## TEMPORARY WELL LOCATION
 - PROPERTY LINE BOUNDARY

- NOTES:**
1. AERIAL PHOTOGRAPH FROM GOOGLE EARTH WEBSITE (PHOTO TAKEN OCTOBER, 2017).
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- 0 60' 120'
GRAPHIC SCALE

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Consulting Corporation

6308 Fly Road
East Syracuse, NY 13057

PROJECT NO. 21-015	411 COLUMBIA STREET REDEVELOPMENT SITE 411 Columbia Street Utica, New York 13502	FIGURE 2
DRAWN: MAY 2023	SAMPLING LOCATIONS	
DRAWN BY: WF		
CHECKED BY: BB		

TW-01 4/4/2023	
Iron	0.60
Magnesium	77.3
Manganese	0.34
Sodium	83.4
SB-05-6-12" 3/2/2023	
Benzo[a]anthracene	63
Benzo[a]pyrene	76
Benzo[b]fluoranthene	81
Benzo[k]fluoranthene	44
Chrysene	59
Dibenz[a,h]anthracene	10.00J
Fluoranthene	180
Indeno[1,2,3-cd]pyrene	38
Pyrene	130
Iron	4420 *
SB-05-5-6' 3/2/2023	
Benzo[a]anthracene	2.40 J F1 F2
Benzo[a]pyrene	3.00 J F1 F2
Benzo[b]fluoranthene	3.50 J F2
Benzo[k]fluoranthene	1.70 J
Chrysene	2.40 J F1 F2
Indeno[1,2,3-cd]pyrene	1.70 J
Iron	18600 *
SB-02-0-6" 3/2/2023	
Benzo[a]anthracene	6.2
Benzo[a]pyrene	8.1
Benzo[b]fluoranthene	8.2
Benzo[k]fluoranthene	4.2
Chrysene	5.5
Dibenz[a,h]anthracene	1.20J
Indeno[1,2,3-cd]pyrene	4.7
Mercury	2.9
Arsenic	19.2
Barium	1050
Iron	47300 *
Lead	4710
Manganese	2330 B
Zinc	190
SB-02-5-6' 3/2/2023	
Indeno[1,2,3-cd]pyrene	0.72
Benzo[a]pyrene	1.1
Benzo[b]fluoranthene	1.1
Mercury	1.0
Iron	24800*
Lead	713
Zinc	133
SB-11-SS-0-6" 4/5/2023	
Iron	19500 B *
Mercury	0.61 F1 F2
Lead	113 B
SB-03-6-12" 3/1/2023	
Mercury	0.64
Copper	50.9
Iron	26800 *
Lead	364
Zinc	159
SB-03-7-8' 3/1/2023	
Iron	19300 *

SB-01 0-6" 3/1/2023	
Benzo[a]anthracene	1.40 J
Benzo[a]pyrene	1.90 J
Benzo[b]fluoranthene	2.20 J
Benzo[k]fluoranthene	0.98 J
Chrysene	1.60 J
Indeno[1,2,3-cd]pyrene	0.75 J
Mercury	0.53 F1
Barium	372
Iron	20900 *
Lead	206
Manganese	4210 B
Zinc	117
SB-01-2-3' 3/1/2023	
Iron	20700 *
Manganese	3520 B

SB-04-6-12" 3/2/2023	
Iron	21000 *
SB-04-8-10' 3/2/2023	
Iron	25700 *
Lead	76.8
Zinc	120

SB-10-SS-0-6" 4/5/2023	
Indeno[1,2,3-cd]pyrene	0.50 J
Iron	23700 B *
Mercury	0.21
Lead	91.7 B
Nickel	32.5 B

SB-07-0-6" 3/3/2023	
Iron	25300 *
Lead	149 F1
Nickel	30.5
SB-07-8-8.5" 3/3/2023	
Iron	23000 *
TW-02 4/4/2023	
Iron	0.37
Sodium	736

SB-09-SS-0-6" 4/5/2023	
Mercury	0.25
Arsenic	21.0
Iron	19200 B *
Lead	87.8 B
Zinc	130

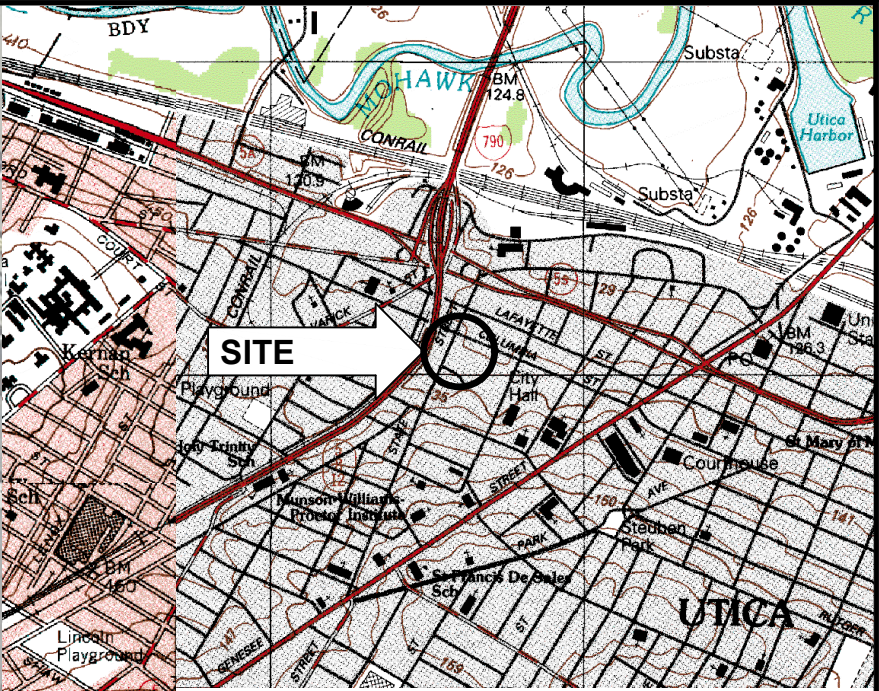
SB-08-12-18" 3/3/2023	
Iron	2570 *
SB-08-8-9' 3/3/2023	
Iron	16100 *

SB-13-SS-0-6" 4/5/2023	
Arsenic	17.9
Cobalt	51.8*
Iron	23200 B *
Lead	184 B
Nickel	64.6 B

SB-12-SS-0-6" 4/5/2023	
Iron	13100 B *
Lead	120 B

SB-06-6-12" 3/1/2023	
Iron	10500 *
Lead	79.0
SB-06-4-5' 3/1/2023	
Arsenic	13.4
Iron	37000 *

SUBJECT PROPERTY LOCATED
WITHIN DASHED BOUNDARY



SITE LOCATION

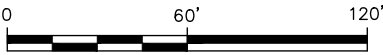
DATA NOTES & LEGEND

	Value exceeds NYS Part 375 Industrial Soil Cleanup Objective
	Value exceeds NYS Part 375 Commercial Soil Cleanup Objective
	Value exceeds NYS Part 375 Restricted Residential Soil Cleanup Objective
	Value exceeds NYS Part 375 Residential Soil Cleanup Objective
	Value exceeds NYS Part 375 Unrestricted Soil Cleanup Objective
	Value exceeds NYS Part 375 Protection of Groundwater Standard
	Value exceeds New York TOGS 111 Ambient Water Quality Standard

All soil values reported in mg/kg (approximate parts per million - ppm)
TW-01 and TW-02 reported in mg/L
B - Compound found in blank and sample
J - Result is less than the RL but greater than or equal to the MDL
and the concentration is an approximate value
F1 - MS and or MSD recovery exceeds control limits
F2 - MS/MSD RPD exceeds control limits
*Residential Soil Cleanup Objective derived from NYS CP-51
ND - Compound 'Not Detected' at the reporting limit
NS - No applicable standard

NOTES:

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GRAPHIC SCALE



Asbestos & Environmental
Consulting Corporation

6308 Fly Road
East Syracuse, NY 13057

PROJECT NO. 21-015

DRAWN: MAY 2023

DRAWN BY: WF

CHECKED BY: BB

411 COLUMBIA STREET REDEVELOPMENT SITE
411 Columbia Street
Utica, New York 13502

SOIL & GROUNDWATER EXCEEDANCES

FIGURE

3

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Attachment B

Laboratory Analysis Report, March 2023 Sampling Event

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. George Fischer
Asbestos & Environmental Consulting Corp
6308 Fly Road
East Syracuse, New York 13057

Generated 3/28/2023 10:25:10 AM

JOB DESCRIPTION

JP O'Brien - Utica, NY - Phase II ESA

JOB NUMBER

480-206563-1

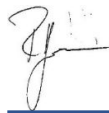
Eurofins Buffalo

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Buffalo and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Buffalo Project Manager or designee who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Authorized for release by
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Rebecca.Jones@et.eurofinsus.com
Designee for
Brian Fischer, Manager of Project Management
Brian.Fischer@et.eurofinsus.com
(716)504-9835

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Definitions/Glossary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Job ID: 480-206563-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative 480-206563-1

Comments

No additional comments.

Receipt

The samples were received on 3/2/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.1° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The following samples were diluted due to color, appearance, and viscosity: SB-06-6-12" (480-206563-1), SB-06-4-5" (480-206563-2), SB-03-6-12" (480-206563-3), SB-01-0-6" (480-206563-5) and SB-01-2-3" (480-206563-6). Elevated reporting limits (RL) are provided.

Method 8270D: The following sample required a dilution due to the nature of the sample matrix: SB-01-0-6" (480-206563-5). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: SB-06-6-12" (480-206563-1), SB-06-4-5" (480-206563-2), SB-03-6-12" (480-206563-3) and SB-03-7-8" (480-206563-4). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

Method 6010C: The low level continuing calibration verification (CCVL 480-660681/20) recovered above the upper control limit for Total Nickel. The samples associated with this CCVL were either less than the reporting limit (RL) for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples (LCSSRM 480-660424/2-A) and (MB 480-660424/1-A) was not performed.

Method 6010C: The low level continuing calibration verification (CCVL 480-660681/50) recovered above the upper control limit for Total Nickel. The samples associated with this CCVL were either less than the reporting limit (RL) for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples SB-03-6-12" (480-206563-3) and SB-01-0-6" (480-206563-5) was not performed.

Method 6010C: The low level continuing calibration verification (CCVL 480-660681/50) recovered above the upper control limit for Total Nickel. The samples associated with this CCVL were either less than the reporting limit (RL) for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples SB-03-6-12" (480-206563-3) and SB-01-0-6" (480-206563-5) was not performed.

Method 6010C: The method blank for preparation batch 480-660424 and analytical batch 480-660681 contained Total Potassium above the reporting limit (RL). Associated samples SB-06-6-12" (480-206563-1), SB-06-4-5" (480-206563-2), SB-03-6-12" (480-206563-3), SB-03-7-8" (480-206563-4), SB-01-0-6" (480-206563-5) and SB-01-2-3" (480-206563-6) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method 6010C: The following sample was diluted due to the presence of Total Calcium which interferes with Copper: SB-06-6-12" (480-206563-1). Elevated reporting limits (RLs) are provided.

Case Narrative

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Job ID: 480-206563-1 (Continued)

Laboratory: Eurofins Buffalo (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Detection Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-06-6-12"

Lab Sample ID: 480-206563-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Aluminum	7080		10.5	4.6	mg/Kg	1	☆		6010C	Total/NA
Arsenic	5.5		2.1	0.42	mg/Kg	1	☆		6010C	Total/NA
Barium	54.8		0.52	0.12	mg/Kg	1	☆		6010C	Total/NA
Beryllium	0.36		0.21	0.029	mg/Kg	1	☆		6010C	Total/NA
Calcium	222000	B	261	17.3	mg/Kg	5	☆		6010C	Total/NA
Chromium	16.0		0.52	0.21	mg/Kg	1	☆		6010C	Total/NA
Cobalt	4.4		0.52	0.052	mg/Kg	1	☆		6010C	Total/NA
Copper	27.2		5.2	1.1	mg/Kg	5	☆		6010C	Total/NA
Iron	10500		10.5	3.7	mg/Kg	1	☆		6010C	Total/NA
Lead	79.0		1.0	0.25	mg/Kg	1	☆		6010C	Total/NA
Magnesium	22200		20.9	0.97	mg/Kg	1	☆		6010C	Total/NA
Manganese	243	B	0.21	0.033	mg/Kg	1	☆		6010C	Total/NA
Nickel	11.9	B	5.2	0.24	mg/Kg	1	☆		6010C	Total/NA
Potassium	2270	B	31.4	20.9	mg/Kg	1	☆		6010C	Total/NA
Sodium	586	B	146	13.6	mg/Kg	1	☆		6010C	Total/NA
Vanadium	18.8		0.52	0.12	mg/Kg	1	☆		6010C	Total/NA
Zinc	48.8		2.1	0.67	mg/Kg	1	☆		6010C	Total/NA
Mercury	0.12		0.022	0.0050	mg/Kg	1	☆		7471B	Total/NA

Client Sample ID: SB-06-4-5"

Lab Sample ID: 480-206563-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Aluminum	11400		12.9	5.7	mg/Kg	1	☆		6010C	Total/NA
Antimony	2.1	J	19.4	0.52	mg/Kg	1	☆		6010C	Total/NA
Arsenic	13.4		2.6	0.52	mg/Kg	1	☆		6010C	Total/NA
Barium	55.9		0.65	0.14	mg/Kg	1	☆		6010C	Total/NA
Beryllium	0.47		0.26	0.036	mg/Kg	1	☆		6010C	Total/NA
Calcium	23400	B	64.7	4.3	mg/Kg	1	☆		6010C	Total/NA
Chromium	15.6		0.65	0.26	mg/Kg	1	☆		6010C	Total/NA
Cobalt	8.5		0.65	0.065	mg/Kg	1	☆		6010C	Total/NA
Copper	18.8		1.3	0.27	mg/Kg	1	☆		6010C	Total/NA
Iron	37000		12.9	4.5	mg/Kg	1	☆		6010C	Total/NA
Lead	13.8		1.3	0.31	mg/Kg	1	☆		6010C	Total/NA
Magnesium	4800		25.9	1.2	mg/Kg	1	☆		6010C	Total/NA
Manganese	544	B	0.26	0.041	mg/Kg	1	☆		6010C	Total/NA
Nickel	19.1	B ^+	6.5	0.30	mg/Kg	1	☆		6010C	Total/NA
Potassium	1960	B	38.8	25.9	mg/Kg	1	☆		6010C	Total/NA
Sodium	968	B	181	16.8	mg/Kg	1	☆		6010C	Total/NA
Vanadium	27.5		0.65	0.14	mg/Kg	1	☆		6010C	Total/NA
Zinc	72.1		2.6	0.83	mg/Kg	1	☆		6010C	Total/NA
Mercury	0.027		0.024	0.0055	mg/Kg	1	☆		7471B	Total/NA

Client Sample ID: SB-03-6-12"

Lab Sample ID: 480-206563-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzo[a]anthracene	520	J	2100	210	ug/Kg	10	☆		8270D	Total/NA
Benzo[a]pyrene	580	J	2100	300	ug/Kg	10	☆		8270D	Total/NA
Benzo[b]fluoranthene	680	J	2100	330	ug/Kg	10	☆		8270D	Total/NA
Benzo[g,h,i]perylene	270	J	2100	220	ug/Kg	10	☆		8270D	Total/NA
Benzo[k]fluoranthene	280	J	2100	270	ug/Kg	10	☆		8270D	Total/NA
Chrysene	590	J	2100	460	ug/Kg	10	☆		8270D	Total/NA
Fluoranthene	1100	J	2100	220	ug/Kg	10	☆		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-03-6-12" (Continued)

Lab Sample ID: 480-206563-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Indeno[1,2,3-cd]pyrene	250	J	2100	250	ug/Kg	10	✱		8270D	Total/NA
Phenanthrene	860	J	2100	300	ug/Kg	10	✱		8270D	Total/NA
Pyrene	890	J	2100	240	ug/Kg	10	✱		8270D	Total/NA
Aluminum	13300		12.0	5.3	mg/Kg	1	✱		6010C	Total/NA
Antimony	2.0	J	18.0	0.48	mg/Kg	1	✱		6010C	Total/NA
Arsenic	12.0		2.4	0.48	mg/Kg	1	✱		6010C	Total/NA
Barium	138		0.60	0.13	mg/Kg	1	✱		6010C	Total/NA
Beryllium	0.65		0.24	0.034	mg/Kg	1	✱		6010C	Total/NA
Cadmium	0.28		0.24	0.036	mg/Kg	1	✱		6010C	Total/NA
Calcium	7690	B	59.8	3.9	mg/Kg	1	✱		6010C	Total/NA
Chromium	20.0		0.60	0.24	mg/Kg	1	✱		6010C	Total/NA
Cobalt	9.5		0.60	0.060	mg/Kg	1	✱		6010C	Total/NA
Copper	50.9		1.2	0.25	mg/Kg	1	✱		6010C	Total/NA
Iron	26800		12.0	4.2	mg/Kg	1	✱		6010C	Total/NA
Lead	364		1.2	0.29	mg/Kg	1	✱		6010C	Total/NA
Magnesium	3870		23.9	1.1	mg/Kg	1	✱		6010C	Total/NA
Manganese	741	B	0.24	0.038	mg/Kg	1	✱		6010C	Total/NA
Nickel	20.6	B ^+	6.0	0.28	mg/Kg	1	✱		6010C	Total/NA
Potassium	2500	B	35.9	23.9	mg/Kg	1	✱		6010C	Total/NA
Sodium	168	B	168	15.6	mg/Kg	1	✱		6010C	Total/NA
Vanadium	31.2		0.60	0.13	mg/Kg	1	✱		6010C	Total/NA
Zinc	159		2.4	0.77	mg/Kg	1	✱		6010C	Total/NA
Mercury	0.64		0.024	0.0054	mg/Kg	1	✱		7471B	Total/NA

Client Sample ID: SB-03-7-8"

Lab Sample ID: 480-206563-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acetone	8.8	J	25	4.2	ug/Kg	1	✱		8260C	Total/NA
Benzo[b]fluoranthene	30	J	180	29	ug/Kg	1	✱		8270D	Total/NA
Bis(2-ethylhexyl) phthalate	160	J	180	63	ug/Kg	1	✱		8270D	Total/NA
Fluoranthene	34	J	180	19	ug/Kg	1	✱		8270D	Total/NA
Pyrene	27	J	180	22	ug/Kg	1	✱		8270D	Total/NA
Aluminum	8740		11.3	5.0	mg/Kg	1	✱		6010C	Total/NA
Antimony	0.74	J	17.0	0.45	mg/Kg	1	✱		6010C	Total/NA
Arsenic	9.6		2.3	0.45	mg/Kg	1	✱		6010C	Total/NA
Barium	35.7		0.57	0.12	mg/Kg	1	✱		6010C	Total/NA
Beryllium	0.39		0.23	0.032	mg/Kg	1	✱		6010C	Total/NA
Calcium	56300	B	56.5	3.7	mg/Kg	1	✱		6010C	Total/NA
Chromium	11.8		0.57	0.23	mg/Kg	1	✱		6010C	Total/NA
Cobalt	5.2		0.57	0.057	mg/Kg	1	✱		6010C	Total/NA
Copper	26.0		1.1	0.24	mg/Kg	1	✱		6010C	Total/NA
Iron	19300		11.3	4.0	mg/Kg	1	✱		6010C	Total/NA
Lead	12.8		1.1	0.27	mg/Kg	1	✱		6010C	Total/NA
Magnesium	22400		22.6	1.0	mg/Kg	1	✱		6010C	Total/NA
Manganese	446	B	0.23	0.036	mg/Kg	1	✱		6010C	Total/NA
Nickel	13.7	B	5.7	0.26	mg/Kg	1	✱		6010C	Total/NA
Potassium	2530	B	33.9	22.6	mg/Kg	1	✱		6010C	Total/NA
Sodium	137	J B	158	14.7	mg/Kg	1	✱		6010C	Total/NA
Vanadium	18.0		0.57	0.12	mg/Kg	1	✱		6010C	Total/NA
Zinc	61.7		2.3	0.72	mg/Kg	1	✱		6010C	Total/NA
Mercury	0.020	J	0.022	0.0051	mg/Kg	1	✱		7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-01-0-6"

Lab Sample ID: 480-206563-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	1400	J	4100	410	ug/Kg	20	✱	8270D	Total/NA
Benzo[a]pyrene	1900	J	4100	600	ug/Kg	20	✱	8270D	Total/NA
Benzo[b]fluoranthene	2200	J	4100	650	ug/Kg	20	✱	8270D	Total/NA
Benzo[g,h,i]perylene	760	J	4100	440	ug/Kg	20	✱	8270D	Total/NA
Benzo[k]fluoranthene	980	J	4100	530	ug/Kg	20	✱	8270D	Total/NA
Chrysene	1600	J	4100	920	ug/Kg	20	✱	8270D	Total/NA
Fluoranthene	2200	J	4100	440	ug/Kg	20	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	750	J	4100	510	ug/Kg	20	✱	8270D	Total/NA
Phenanthrene	900	J	4100	600	ug/Kg	20	✱	8270D	Total/NA
Pyrene	1800	J	4100	480	ug/Kg	20	✱	8270D	Total/NA
Aluminum	11000		11.9	5.3	mg/Kg	1	✱	6010C	Total/NA
Antimony	0.74	J	17.9	0.48	mg/Kg	1	✱	6010C	Total/NA
Arsenic	9.8		2.4	0.48	mg/Kg	1	✱	6010C	Total/NA
Barium	372		0.60	0.13	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.49		0.24	0.033	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.28		0.24	0.036	mg/Kg	1	✱	6010C	Total/NA
Calcium	54400	B	59.7	3.9	mg/Kg	1	✱	6010C	Total/NA
Chromium	14.8		0.60	0.24	mg/Kg	1	✱	6010C	Total/NA
Cobalt	6.9		0.60	0.060	mg/Kg	1	✱	6010C	Total/NA
Copper	32.8		1.2	0.25	mg/Kg	1	✱	6010C	Total/NA
Iron	20900		11.9	4.2	mg/Kg	1	✱	6010C	Total/NA
Lead	206		1.2	0.29	mg/Kg	1	✱	6010C	Total/NA
Magnesium	4550		23.9	1.1	mg/Kg	1	✱	6010C	Total/NA
Manganese	4210	B	0.24	0.038	mg/Kg	1	✱	6010C	Total/NA
Nickel	17.0	B ^+	6.0	0.27	mg/Kg	1	✱	6010C	Total/NA
Potassium	2290	B	35.8	23.9	mg/Kg	1	✱	6010C	Total/NA
Sodium	103	J B	167	15.5	mg/Kg	1	✱	6010C	Total/NA
Vanadium	32.7		0.60	0.13	mg/Kg	1	✱	6010C	Total/NA
Zinc	117		2.4	0.76	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.53	F1	0.024	0.0055	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: SB-01-2-3"

Lab Sample ID: 480-206563-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	13200		13.4	5.9	mg/Kg	1	✱	6010C	Total/NA
Antimony	1.0	J	20.0	0.53	mg/Kg	1	✱	6010C	Total/NA
Arsenic	6.0		2.7	0.53	mg/Kg	1	✱	6010C	Total/NA
Barium	246		0.67	0.15	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.50		0.27	0.037	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.12	J	0.27	0.040	mg/Kg	1	✱	6010C	Total/NA
Calcium	3310	B	66.8	4.4	mg/Kg	1	✱	6010C	Total/NA
Chromium	15.5		0.67	0.27	mg/Kg	1	✱	6010C	Total/NA
Cobalt	7.0		0.67	0.067	mg/Kg	1	✱	6010C	Total/NA
Copper	18.1		1.3	0.28	mg/Kg	1	✱	6010C	Total/NA
Iron	20700		13.4	4.7	mg/Kg	1	✱	6010C	Total/NA
Lead	39.4		1.3	0.32	mg/Kg	1	✱	6010C	Total/NA
Magnesium	2980		26.7	1.2	mg/Kg	1	✱	6010C	Total/NA
Manganese	3520	B	0.27	0.043	mg/Kg	1	✱	6010C	Total/NA
Nickel	15.0	B	6.7	0.31	mg/Kg	1	✱	6010C	Total/NA
Potassium	2170	B	40.1	26.7	mg/Kg	1	✱	6010C	Total/NA
Selenium	0.93	J	5.3	0.53	mg/Kg	1	✱	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-01-2-3" (Continued)

Lab Sample ID: 480-206563-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	63.4	J B	187	17.4	mg/Kg	1	✱	6010C	Total/NA
Vanadium	24.9		0.67	0.15	mg/Kg	1	✱	6010C	Total/NA
Zinc	59.9		2.7	0.85	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.11		0.026	0.0061	mg/Kg	1	✱	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-06-6-12"

Lab Sample ID: 480-206563-1

Date Collected: 03/01/23 08:30

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 91.7

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		1800	270	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
bis (2-chloroisopropyl) ether	ND		1800	360	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
2,4,5-Trichlorophenol	ND		1800	490	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
2,4,6-Trichlorophenol	ND		1800	360	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
2,4-Dichlorophenol	ND		1800	190	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
2,4-Dimethylphenol	ND		1800	440	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
2,4-Dinitrophenol	ND		18000	8400	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
2,4-Dinitrotoluene	ND		1800	370	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
2,6-Dinitrotoluene	ND		1800	210	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
2-Chloronaphthalene	ND		1800	300	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
2-Chlorophenol	ND		3500	330	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
2-Methylphenol	ND		1800	210	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
2-Methylnaphthalene	ND		1800	360	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
2-Nitroaniline	ND		3500	270	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
2-Nitrophenol	ND		1800	510	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
3,3'-Dichlorobenzidine	ND		3500	2100	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
3-Nitroaniline	ND		3500	500	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
4,6-Dinitro-2-methylphenol	ND		3500	1800	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
4-Bromophenyl phenyl ether	ND		1800	260	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
4-Chloro-3-methylphenol	ND		1800	450	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
4-Chloroaniline	ND		1800	450	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
4-Chlorophenyl phenyl ether	ND		1800	220	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
4-Methylphenol	ND		3500	210	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
4-Nitroaniline	ND		3500	950	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
4-Nitrophenol	ND		3500	1300	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Acenaphthene	ND		1800	270	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Acenaphthylene	ND		1800	240	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Acetophenone	ND		1800	250	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Anthracene	ND		1800	450	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Atrazine	ND		1800	630	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Benzaldehyde	ND		1800	1400	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Benzo[a]anthracene	ND		1800	180	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Benzo[a]pyrene	ND		1800	270	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Benzo[b]fluoranthene	ND		1800	290	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Benzo[g,h,i]perylene	ND		1800	190	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Benzo[k]fluoranthene	ND		1800	240	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Bis(2-chloroethoxy)methane	ND		1800	380	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Bis(2-chloroethyl)ether	ND		1800	240	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Bis(2-ethylhexyl) phthalate	ND		1800	620	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Butyl benzyl phthalate	ND		1800	300	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Caprolactam	ND		1800	550	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Carbazole	ND		1800	210	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Chrysene	ND		1800	410	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Dibenz(a,h)anthracene	ND		1800	320	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Di-n-butyl phthalate	ND		1800	310	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Di-n-octyl phthalate	ND		1800	210	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Dibenzofuran	ND		1800	210	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Diethyl phthalate	ND		1800	240	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Dimethyl phthalate	ND		1800	210	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-06-6-12"

Lab Sample ID: 480-206563-1

Date Collected: 03/01/23 08:30

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 91.7

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		1800	190	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Fluorene	ND		1800	210	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Hexachlorobenzene	ND		1800	250	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Hexachlorobutadiene	ND		1800	270	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Hexachlorocyclopentadiene	ND		1800	250	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Hexachloroethane	ND		1800	240	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Indeno[1,2,3-cd]pyrene	ND		1800	220	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Isophorone	ND		1800	380	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
N-Nitrosodi-n-propylamine	ND		1800	310	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
N-Nitrosodiphenylamine	ND		1800	1500	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Naphthalene	ND		1800	240	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Nitrobenzene	ND		1800	200	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Pentachlorophenol	ND		3500	1800	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Phenanthrene	ND		1800	270	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Phenol	ND		1800	280	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10
Pyrene	ND		1800	210	ug/Kg	☆	03/07/23 06:59	03/08/23 17:18	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	73		53 - 120	03/07/23 06:59	03/08/23 17:18	10
Phenol-d5 (Surr)	76		54 - 120	03/07/23 06:59	03/08/23 17:18	10
p-Terphenyl-d14 (Surr)	74	S1-	79 - 130	03/07/23 06:59	03/08/23 17:18	10
2,4,6-Tribromophenol (Surr)	58		54 - 120	03/07/23 06:59	03/08/23 17:18	10
2-Fluorobiphenyl (Surr)	74		60 - 120	03/07/23 06:59	03/08/23 17:18	10
2-Fluorophenol (Surr)	72		52 - 120	03/07/23 06:59	03/08/23 17:18	10

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	☆	03/06/23 09:12	03/08/23 23:09	1
PCB-1221	ND		0.25	0.049	mg/Kg	☆	03/06/23 09:12	03/08/23 23:09	1
PCB-1232	ND		0.25	0.049	mg/Kg	☆	03/06/23 09:12	03/08/23 23:09	1
PCB-1242	ND		0.25	0.049	mg/Kg	☆	03/06/23 09:12	03/08/23 23:09	1
PCB-1248	ND		0.25	0.049	mg/Kg	☆	03/06/23 09:12	03/08/23 23:09	1
PCB-1254	ND		0.25	0.12	mg/Kg	☆	03/06/23 09:12	03/08/23 23:09	1
PCB-1260	ND		0.25	0.12	mg/Kg	☆	03/06/23 09:12	03/08/23 23:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	106		60 - 154	03/06/23 09:12	03/08/23 23:09	1
Tetrachloro-m-xylene	117		60 - 154	03/06/23 09:12	03/08/23 23:09	1
DCB Decachlorobiphenyl	95		65 - 174	03/06/23 09:12	03/08/23 23:09	1
DCB Decachlorobiphenyl	79		65 - 174	03/06/23 09:12	03/08/23 23:09	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7080		10.5	4.6	mg/Kg	☆	03/03/23 11:58	03/06/23 22:13	1
Antimony	ND		15.7	0.42	mg/Kg	☆	03/03/23 11:58	03/06/23 22:13	1
Arsenic	5.5		2.1	0.42	mg/Kg	☆	03/03/23 11:58	03/06/23 22:13	1
Barium	54.8		0.52	0.12	mg/Kg	☆	03/03/23 11:58	03/06/23 22:13	1
Beryllium	0.36		0.21	0.029	mg/Kg	☆	03/03/23 11:58	03/06/23 22:13	1
Cadmium	ND		0.21	0.031	mg/Kg	☆	03/03/23 11:58	03/06/23 22:13	1
Calcium	222000	B	261	17.3	mg/Kg	☆	03/03/23 11:58	03/07/23 15:31	5

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-06-6-12"

Lab Sample ID: 480-206563-1

Date Collected: 03/01/23 08:30

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 91.7

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	16.0		0.52	0.21	mg/Kg	✱	03/03/23 11:58	03/06/23 22:13	1
Cobalt	4.4		0.52	0.052	mg/Kg	✱	03/03/23 11:58	03/06/23 22:13	1
Copper	27.2		5.2	1.1	mg/Kg	✱	03/03/23 11:58	03/07/23 15:31	5
Iron	10500		10.5	3.7	mg/Kg	✱	03/03/23 11:58	03/06/23 22:13	1
Lead	79.0		1.0	0.25	mg/Kg	✱	03/03/23 11:58	03/06/23 22:13	1
Magnesium	22200		20.9	0.97	mg/Kg	✱	03/03/23 11:58	03/06/23 22:13	1
Manganese	243	B	0.21	0.033	mg/Kg	✱	03/03/23 11:58	03/06/23 22:13	1
Nickel	11.9	B	5.2	0.24	mg/Kg	✱	03/03/23 11:58	03/07/23 15:27	1
Potassium	2270	B	31.4	20.9	mg/Kg	✱	03/03/23 11:58	03/06/23 22:13	1
Selenium	ND		4.2	0.42	mg/Kg	✱	03/03/23 11:58	03/06/23 22:13	1
Silver	ND		0.63	0.21	mg/Kg	✱	03/03/23 11:58	03/06/23 22:13	1
Sodium	586	B	146	13.6	mg/Kg	✱	03/03/23 11:58	03/06/23 22:13	1
Thallium	ND		6.3	0.31	mg/Kg	✱	03/03/23 11:58	03/06/23 22:13	1
Vanadium	18.8		0.52	0.12	mg/Kg	✱	03/03/23 11:58	03/06/23 22:13	1
Zinc	48.8		2.1	0.67	mg/Kg	✱	03/03/23 11:58	03/06/23 22:13	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12		0.022	0.0050	mg/Kg	✱	03/09/23 10:31	03/09/23 13:25	1

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-06-4-5"

Lab Sample ID: 480-206563-2

Date Collected: 03/01/23 08:45

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 79.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.8	0.35	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
1,1,2,2-Tetrachloroethane	ND		4.8	0.79	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.1	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
1,1,2-Trichloroethane	ND		4.8	0.63	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
1,1-Dichloroethane	ND		4.8	0.59	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
1,1-Dichloroethene	ND		4.8	0.59	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
1,2,4-Trichlorobenzene	ND		4.8	0.29	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
1,2-Dibromo-3-Chloropropane	ND		4.8	2.4	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
1,2-Dibromoethane	ND		4.8	0.62	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
1,2-Dichlorobenzene	ND		4.8	0.38	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
1,2-Dichloroethane	ND		4.8	0.24	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
1,2-Dichloropropane	ND		4.8	2.4	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
1,3-Dichlorobenzene	ND		4.8	0.25	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
1,4-Dichlorobenzene	ND		4.8	0.68	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
2-Butanone (MEK)	ND		24	1.8	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
2-Hexanone	ND		24	2.4	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.6	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Acetone	ND		24	4.1	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Benzene	ND		4.8	0.24	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Bromodichloromethane	ND		4.8	0.65	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Bromoform	ND		4.8	2.4	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Bromomethane	ND		4.8	0.44	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Carbon disulfide	ND		4.8	2.4	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Carbon tetrachloride	ND		4.8	0.47	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Chlorobenzene	ND		4.8	0.64	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Chloroethane	ND		4.8	1.1	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Chloroform	ND		4.8	0.30	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Chloromethane	ND		4.8	0.29	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
cis-1,2-Dichloroethene	ND		4.8	0.62	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
cis-1,3-Dichloropropene	ND		4.8	0.70	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Cyclohexane	ND		4.8	0.68	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Dibromochloromethane	ND		4.8	0.62	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Dichlorodifluoromethane	ND		4.8	0.40	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Ethylbenzene	ND		4.8	0.33	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Isopropylbenzene	ND		4.8	0.73	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Methyl acetate	ND		24	2.9	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Methyl tert-butyl ether	ND		4.8	0.48	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Methylcyclohexane	ND		4.8	0.74	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Methylene Chloride	ND		4.8	2.2	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Styrene	ND		4.8	0.24	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Tetrachloroethene	ND		4.8	0.65	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Toluene	ND		4.8	0.37	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
trans-1,2-Dichloroethene	ND		4.8	0.50	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
trans-1,3-Dichloropropene	ND		4.8	2.1	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Trichloroethene	ND		4.8	1.1	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Trichlorofluoromethane	ND		4.8	0.46	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Vinyl chloride	ND		4.8	0.59	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1
Xylenes, Total	ND		9.7	0.81	ug/Kg	☆	03/02/23 11:00	03/03/23 04:52	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-06-4-5"

Lab Sample ID: 480-206563-2

Date Collected: 03/01/23 08:45

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 79.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		64 - 126	03/02/23 11:00	03/03/23 04:52	1
4-Bromofluorobenzene (Surr)	100		72 - 126	03/02/23 11:00	03/03/23 04:52	1
Dibromofluoromethane (Surr)	102		60 - 140	03/02/23 11:00	03/03/23 04:52	1
Toluene-d8 (Surr)	99		71 - 125	03/02/23 11:00	03/03/23 04:52	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2100	310	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
bis (2-chloroisopropyl) ether	ND		2100	420	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
2,4,5-Trichlorophenol	ND		2100	570	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
2,4,6-Trichlorophenol	ND		2100	420	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
2,4-Dichlorophenol	ND		2100	220	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
2,4-Dimethylphenol	ND		2100	510	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
2,4-Dinitrophenol	ND		21000	9800	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
2,4-Dinitrotoluene	ND		2100	440	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
2,6-Dinitrotoluene	ND		2100	250	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
2-Chloronaphthalene	ND		2100	350	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
2-Chlorophenol	ND		4100	390	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
2-Methylphenol	ND		2100	250	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
2-Methylnaphthalene	ND		2100	420	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
2-Nitroaniline	ND		4100	310	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
2-Nitrophenol	ND		2100	600	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
3,3'-Dichlorobenzidine	ND		4100	2500	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
3-Nitroaniline	ND		4100	590	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
4,6-Dinitro-2-methylphenol	ND		4100	2100	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
4-Bromophenyl phenyl ether	ND		2100	300	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
4-Chloro-3-methylphenol	ND		2100	520	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
4-Chloroaniline	ND		2100	520	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
4-Chlorophenyl phenyl ether	ND		2100	260	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
4-Methylphenol	ND		4100	250	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
4-Nitroaniline	ND		4100	1100	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
4-Nitrophenol	ND		4100	1500	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Acenaphthene	ND		2100	310	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Acenaphthylene	ND		2100	270	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Acetophenone	ND		2100	290	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Anthracene	ND		2100	520	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Atrazine	ND		2100	740	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Benzaldehyde	ND		2100	1700	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Benzo[a]anthracene	ND		2100	210	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Benzo[a]pyrene	ND		2100	310	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Benzo[b]fluoranthene	ND		2100	340	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Benzo[g,h,i]perylene	ND		2100	220	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Benzo[k]fluoranthene	ND		2100	270	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Bis(2-chloroethoxy)methane	ND		2100	450	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Bis(2-chloroethyl)ether	ND		2100	270	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Bis(2-ethylhexyl) phthalate	ND		2100	720	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Butyl benzyl phthalate	ND		2100	350	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Caprolactam	ND		2100	640	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Carbazole	ND		2100	250	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Chrysene	ND		2100	470	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-06-4-5"

Lab Sample ID: 480-206563-2

Date Collected: 03/01/23 08:45

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 79.6

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		2100	370	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Di-n-butyl phthalate	ND		2100	360	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Di-n-octyl phthalate	ND		2100	250	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Dibenzofuran	ND		2100	250	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Diethyl phthalate	ND		2100	270	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Dimethyl phthalate	ND		2100	250	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Fluoranthene	ND		2100	220	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Fluorene	ND		2100	250	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Hexachlorobenzene	ND		2100	290	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Hexachlorobutadiene	ND		2100	310	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Hexachlorocyclopentadiene	ND		2100	290	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Hexachloroethane	ND		2100	270	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Indeno[1,2,3-cd]pyrene	ND		2100	260	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Isophorone	ND		2100	450	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
N-Nitrosodi-n-propylamine	ND		2100	360	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
N-Nitrosodiphenylamine	ND		2100	1700	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Naphthalene	ND		2100	270	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Nitrobenzene	ND		2100	240	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Pentachlorophenol	ND		4100	2100	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Phenanthrene	ND		2100	310	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Phenol	ND		2100	320	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10
Pyrene	ND		2100	250	ug/Kg	☆	03/07/23 06:59	03/08/23 17:42	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	75		53 - 120	03/07/23 06:59	03/08/23 17:42	10
Phenol-d5 (Surr)	72		54 - 120	03/07/23 06:59	03/08/23 17:42	10
p-Terphenyl-d14 (Surr)	73	S1-	79 - 130	03/07/23 06:59	03/08/23 17:42	10
2,4,6-Tribromophenol (Surr)	63		54 - 120	03/07/23 06:59	03/08/23 17:42	10
2-Fluorobiphenyl (Surr)	78		60 - 120	03/07/23 06:59	03/08/23 17:42	10
2-Fluorophenol (Surr)	74		52 - 120	03/07/23 06:59	03/08/23 17:42	10

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11400		12.9	5.7	mg/Kg	☆	03/03/23 11:58	03/06/23 22:17	1
Antimony	2.1	J	19.4	0.52	mg/Kg	☆	03/03/23 11:58	03/06/23 22:17	1
Arsenic	13.4		2.6	0.52	mg/Kg	☆	03/03/23 11:58	03/06/23 22:17	1
Barium	55.9		0.65	0.14	mg/Kg	☆	03/03/23 11:58	03/06/23 22:17	1
Beryllium	0.47		0.26	0.036	mg/Kg	☆	03/03/23 11:58	03/06/23 22:17	1
Cadmium	ND		0.26	0.039	mg/Kg	☆	03/03/23 11:58	03/06/23 22:17	1
Calcium	23400	B	64.7	4.3	mg/Kg	☆	03/03/23 11:58	03/06/23 22:17	1
Chromium	15.6		0.65	0.26	mg/Kg	☆	03/03/23 11:58	03/06/23 22:17	1
Cobalt	8.5		0.65	0.065	mg/Kg	☆	03/03/23 11:58	03/06/23 22:17	1
Copper	18.8		1.3	0.27	mg/Kg	☆	03/03/23 11:58	03/06/23 22:17	1
Iron	37000		12.9	4.5	mg/Kg	☆	03/03/23 11:58	03/06/23 22:17	1
Lead	13.8		1.3	0.31	mg/Kg	☆	03/03/23 11:58	03/06/23 22:17	1
Magnesium	4800		25.9	1.2	mg/Kg	☆	03/03/23 11:58	03/06/23 22:17	1
Manganese	544	B	0.26	0.041	mg/Kg	☆	03/03/23 11:58	03/06/23 22:17	1
Nickel	19.1	B ^+	6.5	0.30	mg/Kg	☆	03/03/23 11:58	03/06/23 22:17	1
Potassium	1960	B	38.8	25.9	mg/Kg	☆	03/03/23 11:58	03/06/23 22:17	1
Selenium	ND		5.2	0.52	mg/Kg	☆	03/03/23 11:58	03/06/23 22:17	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-06-4-5"

Lab Sample ID: 480-206563-2

Date Collected: 03/01/23 08:45

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 79.6

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.78	0.26	mg/Kg	✱	03/03/23 11:58	03/06/23 22:17	1
Sodium	968	B	181	16.8	mg/Kg	✱	03/03/23 11:58	03/06/23 22:17	1
Thallium	ND		7.8	0.39	mg/Kg	✱	03/03/23 11:58	03/06/23 22:17	1
Vanadium	27.5		0.65	0.14	mg/Kg	✱	03/03/23 11:58	03/06/23 22:17	1
Zinc	72.1		2.6	0.83	mg/Kg	✱	03/03/23 11:58	03/06/23 22:17	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.024	0.0055	mg/Kg	✱	03/09/23 10:31	03/09/23 13:27	1

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-03-6-12"

Lab Sample ID: 480-206563-3

Date Collected: 03/01/23 12:01

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 81.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2100	300	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
bis (2-chloroisopropyl) ether	ND		2100	410	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
2,4,5-Trichlorophenol	ND		2100	560	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
2,4,6-Trichlorophenol	ND		2100	410	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
2,4-Dichlorophenol	ND		2100	220	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
2,4-Dimethylphenol	ND		2100	500	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
2,4-Dinitrophenol	ND		20000	9500	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
2,4-Dinitrotoluene	ND		2100	420	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
2,6-Dinitrotoluene	ND		2100	240	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
2-Chloronaphthalene	ND		2100	340	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
2-Chlorophenol	ND		4000	380	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
2-Methylphenol	ND		2100	240	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
2-Methylnaphthalene	ND		2100	410	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
2-Nitroaniline	ND		4000	300	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
2-Nitrophenol	ND		2100	580	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
3,3'-Dichlorobenzidine	ND		4000	2400	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
3-Nitroaniline	ND		4000	570	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
4,6-Dinitro-2-methylphenol	ND		4000	2100	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
4-Bromophenyl phenyl ether	ND		2100	290	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
4-Chloro-3-methylphenol	ND		2100	510	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
4-Chloroaniline	ND		2100	510	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
4-Chlorophenyl phenyl ether	ND		2100	250	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
4-Methylphenol	ND		4000	240	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
4-Nitroaniline	ND		4000	1100	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
4-Nitrophenol	ND		4000	1400	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Acenaphthene	ND		2100	300	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Acenaphthylene	ND		2100	270	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Acetophenone	ND		2100	280	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Anthracene	ND		2100	510	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Atrazine	ND		2100	710	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Benzaldehyde	ND		2100	1600	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Benzo[a]anthracene	520	J	2100	210	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Benzo[a]pyrene	580	J	2100	300	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Benzo[b]fluoranthene	680	J	2100	330	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Benzo[g,h,i]perylene	270	J	2100	220	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Benzo[k]fluoranthene	280	J	2100	270	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Bis(2-chloroethoxy)methane	ND		2100	440	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Bis(2-chloroethyl)ether	ND		2100	270	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Bis(2-ethylhexyl) phthalate	ND		2100	700	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Butyl benzyl phthalate	ND		2100	340	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Caprolactam	ND		2100	620	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Carbazole	ND		2100	240	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Chrysene	590	J	2100	460	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Dibenz(a,h)anthracene	ND		2100	360	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Di-n-butyl phthalate	ND		2100	350	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Di-n-octyl phthalate	ND		2100	240	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Dibenzofuran	ND		2100	240	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Diethyl phthalate	ND		2100	270	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Dimethyl phthalate	ND		2100	240	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-03-6-12"

Lab Sample ID: 480-206563-3

Date Collected: 03/01/23 12:01

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 81.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	1100	J	2100	220	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Fluorene	ND		2100	240	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Hexachlorobenzene	ND		2100	280	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Hexachlorobutadiene	ND		2100	300	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Hexachlorocyclopentadiene	ND		2100	280	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Hexachloroethane	ND		2100	270	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Indeno[1,2,3-cd]pyrene	250	J	2100	250	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Isophorone	ND		2100	440	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
N-Nitrosodi-n-propylamine	ND		2100	350	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
N-Nitrosodiphenylamine	ND		2100	1700	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Naphthalene	ND		2100	270	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Nitrobenzene	ND		2100	230	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Pentachlorophenol	ND		4000	2100	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Phenanthrene	860	J	2100	300	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Phenol	ND		2100	320	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10
Pyrene	890	J	2100	240	ug/Kg	☆	03/07/23 06:59	03/08/23 18:06	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	68		53 - 120	03/07/23 06:59	03/08/23 18:06	10
Phenol-d5 (Surr)	72		54 - 120	03/07/23 06:59	03/08/23 18:06	10
p-Terphenyl-d14 (Surr)	72	S1-	79 - 130	03/07/23 06:59	03/08/23 18:06	10
2,4,6-Tribromophenol (Surr)	60		54 - 120	03/07/23 06:59	03/08/23 18:06	10
2-Fluorobiphenyl (Surr)	77		60 - 120	03/07/23 06:59	03/08/23 18:06	10
2-Fluorophenol (Surr)	72		52 - 120	03/07/23 06:59	03/08/23 18:06	10

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.29	0.057	mg/Kg	☆	03/06/23 09:12	03/08/23 23:22	1
PCB-1221	ND		0.29	0.057	mg/Kg	☆	03/06/23 09:12	03/08/23 23:22	1
PCB-1232	ND		0.29	0.057	mg/Kg	☆	03/06/23 09:12	03/08/23 23:22	1
PCB-1242	ND		0.29	0.057	mg/Kg	☆	03/06/23 09:12	03/08/23 23:22	1
PCB-1248	ND		0.29	0.057	mg/Kg	☆	03/06/23 09:12	03/08/23 23:22	1
PCB-1254	ND		0.29	0.14	mg/Kg	☆	03/06/23 09:12	03/08/23 23:22	1
PCB-1260	ND		0.29	0.14	mg/Kg	☆	03/06/23 09:12	03/08/23 23:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	108		60 - 154	03/06/23 09:12	03/08/23 23:22	1
Tetrachloro-m-xylene	111		60 - 154	03/06/23 09:12	03/08/23 23:22	1
DCB Decachlorobiphenyl	91		65 - 174	03/06/23 09:12	03/08/23 23:22	1
DCB Decachlorobiphenyl	73		65 - 174	03/06/23 09:12	03/08/23 23:22	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13300		12.0	5.3	mg/Kg	☆	03/03/23 11:58	03/06/23 22:32	1
Antimony	2.0	J	18.0	0.48	mg/Kg	☆	03/03/23 11:58	03/06/23 22:32	1
Arsenic	12.0		2.4	0.48	mg/Kg	☆	03/03/23 11:58	03/06/23 22:32	1
Barium	138		0.60	0.13	mg/Kg	☆	03/03/23 11:58	03/06/23 22:32	1
Beryllium	0.65		0.24	0.034	mg/Kg	☆	03/03/23 11:58	03/06/23 22:32	1
Cadmium	0.28		0.24	0.036	mg/Kg	☆	03/03/23 11:58	03/06/23 22:32	1
Calcium	7690	B	59.8	3.9	mg/Kg	☆	03/03/23 11:58	03/06/23 22:32	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-03-6-12"

Lab Sample ID: 480-206563-3

Date Collected: 03/01/23 12:01

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 81.9

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	20.0		0.60	0.24	mg/Kg	✱	03/03/23 11:58	03/06/23 22:32	1
Cobalt	9.5		0.60	0.060	mg/Kg	✱	03/03/23 11:58	03/06/23 22:32	1
Copper	50.9		1.2	0.25	mg/Kg	✱	03/03/23 11:58	03/06/23 22:32	1
Iron	26800		12.0	4.2	mg/Kg	✱	03/03/23 11:58	03/06/23 22:32	1
Lead	364		1.2	0.29	mg/Kg	✱	03/03/23 11:58	03/06/23 22:32	1
Magnesium	3870		23.9	1.1	mg/Kg	✱	03/03/23 11:58	03/06/23 22:32	1
Manganese	741	B	0.24	0.038	mg/Kg	✱	03/03/23 11:58	03/06/23 22:32	1
Nickel	20.6	B ^+	6.0	0.28	mg/Kg	✱	03/03/23 11:58	03/06/23 22:32	1
Potassium	2500	B	35.9	23.9	mg/Kg	✱	03/03/23 11:58	03/06/23 22:32	1
Selenium	ND		4.8	0.48	mg/Kg	✱	03/03/23 11:58	03/06/23 22:32	1
Silver	ND		0.72	0.24	mg/Kg	✱	03/03/23 11:58	03/06/23 22:32	1
Sodium	168	B	168	15.6	mg/Kg	✱	03/03/23 11:58	03/06/23 22:32	1
Thallium	ND		7.2	0.36	mg/Kg	✱	03/03/23 11:58	03/06/23 22:32	1
Vanadium	31.2		0.60	0.13	mg/Kg	✱	03/03/23 11:58	03/06/23 22:32	1
Zinc	159		2.4	0.77	mg/Kg	✱	03/03/23 11:58	03/06/23 22:32	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.64		0.024	0.0054	mg/Kg	✱	03/09/23 10:31	03/09/23 13:28	1

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-03-7-8"

Lab Sample ID: 480-206563-4

Date Collected: 03/01/23 12:11

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 90.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.37	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.82	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.2	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
1,1,2-Trichloroethane	ND		5.0	0.66	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
1,1-Dichloroethane	ND		5.0	0.62	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
1,1-Dichloroethene	ND		5.0	0.62	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
1,2,4-Trichlorobenzene	ND		5.0	0.31	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
1,2-Dibromoethane	ND		5.0	0.65	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
1,4-Dichlorobenzene	ND		5.0	0.71	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
2-Hexanone	ND		25	2.5	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.7	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Acetone	8.8	J	25	4.2	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Benzene	ND		5.0	0.25	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Bromodichloromethane	ND		5.0	0.68	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Bromoform	ND		5.0	2.5	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Bromomethane	ND		5.0	0.45	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Carbon disulfide	ND		5.0	2.5	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Carbon tetrachloride	ND		5.0	0.49	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Chlorobenzene	ND		5.0	0.67	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Chloroethane	ND		5.0	1.1	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Chloroform	ND		5.0	0.31	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Chloromethane	ND		5.0	0.30	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
cis-1,2-Dichloroethene	ND		5.0	0.65	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Cyclohexane	ND		5.0	0.71	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Dibromochloromethane	ND		5.0	0.65	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Dichlorodifluoromethane	ND		5.0	0.42	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Ethylbenzene	ND		5.0	0.35	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Isopropylbenzene	ND		5.0	0.76	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Methyl acetate	ND		25	3.0	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Methyl tert-butyl ether	ND		5.0	0.50	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Methylcyclohexane	ND		5.0	0.77	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Methylene Chloride	ND		5.0	2.3	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Styrene	ND		5.0	0.25	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Toluene	ND		5.0	0.38	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Trichloroethene	ND		5.0	1.1	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Trichlorofluoromethane	ND		5.0	0.48	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Vinyl chloride	ND		5.0	0.62	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1
Xylenes, Total	ND		10	0.85	ug/Kg	☆	03/02/23 11:00	03/03/23 05:16	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-03-7-8"

Lab Sample ID: 480-206563-4

Date Collected: 03/01/23 12:11

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 90.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		64 - 126	03/02/23 11:00	03/03/23 05:16	1
4-Bromofluorobenzene (Surr)	97		72 - 126	03/02/23 11:00	03/03/23 05:16	1
Dibromofluoromethane (Surr)	102		60 - 140	03/02/23 11:00	03/03/23 05:16	1
Toluene-d8 (Surr)	99		71 - 125	03/02/23 11:00	03/03/23 05:16	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		180	27	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
bis (2-chloroisopropyl) ether	ND		180	37	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
2,4,5-Trichlorophenol	ND		180	50	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
2,4,6-Trichlorophenol	ND		180	37	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
2,4-Dichlorophenol	ND		180	19	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
2,4-Dimethylphenol	ND		180	44	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
2,4-Dinitrophenol	ND		1800	850	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
2,4-Dinitrotoluene	ND		180	38	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
2,6-Dinitrotoluene	ND		180	22	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
2-Chloronaphthalene	ND		180	30	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
2-Chlorophenol	ND		360	34	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
2-Methylphenol	ND		180	22	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
2-Methylnaphthalene	ND		180	37	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
2-Nitroaniline	ND		360	27	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
2-Nitrophenol	ND		180	52	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
3,3'-Dichlorobenzidine	ND		360	220	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
3-Nitroaniline	ND		360	51	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
4,6-Dinitro-2-methylphenol	ND		360	180	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
4-Bromophenyl phenyl ether	ND		180	26	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
4-Chloro-3-methylphenol	ND		180	45	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
4-Chloroaniline	ND		180	45	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
4-Chlorophenyl phenyl ether	ND		180	23	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
4-Methylphenol	ND		360	22	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
4-Nitroaniline	ND		360	96	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
4-Nitrophenol	ND		360	130	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Acenaphthene	ND		180	27	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Acenaphthylene	ND		180	24	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Acetophenone	ND		180	25	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Anthracene	ND		180	45	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Atrazine	ND		180	64	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Benzaldehyde	ND		180	150	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Benzo[a]anthracene	ND		180	18	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Benzo[a]pyrene	ND		180	27	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Benzo[b]fluoranthene	30 J		180	29	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Benzo[g,h,i]perylene	ND		180	19	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Benzo[k]fluoranthene	ND		180	24	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Bis(2-chloroethoxy)methane	ND		180	39	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Bis(2-chloroethyl)ether	ND		180	24	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Bis(2-ethylhexyl) phthalate	160 J		180	63	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Butyl benzyl phthalate	ND		180	30	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Caprolactam	ND		180	55	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Carbazole	ND		180	22	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Chrysene	ND		180	41	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-03-7-8"

Lab Sample ID: 480-206563-4

Date Collected: 03/01/23 12:11

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 90.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		180	32	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Di-n-butyl phthalate	ND		180	31	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Di-n-octyl phthalate	ND		180	22	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Dibenzofuran	ND		180	22	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Diethyl phthalate	ND		180	24	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Dimethyl phthalate	ND		180	22	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Fluoranthene	34	J	180	19	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Fluorene	ND		180	22	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Hexachlorobenzene	ND		180	25	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Hexachlorobutadiene	ND		180	27	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Hexachlorocyclopentadiene	ND		180	25	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Hexachloroethane	ND		180	24	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Indeno[1,2,3-cd]pyrene	ND		180	23	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Isophorone	ND		180	39	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
N-Nitrosodi-n-propylamine	ND		180	31	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
N-Nitrosodiphenylamine	ND		180	150	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Naphthalene	ND		180	24	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Nitrobenzene	ND		180	21	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Pentachlorophenol	ND		360	180	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Phenanthrene	ND		180	27	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Phenol	ND		180	28	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1
Pyrene	27	J	180	22	ug/Kg	☆	03/07/23 06:59	03/08/23 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	69		53 - 120	03/07/23 06:59	03/08/23 18:30	1
Phenol-d5 (Surr)	67		54 - 120	03/07/23 06:59	03/08/23 18:30	1
p-Terphenyl-d14 (Surr)	76	S1-	79 - 130	03/07/23 06:59	03/08/23 18:30	1
2,4,6-Tribromophenol (Surr)	61		54 - 120	03/07/23 06:59	03/08/23 18:30	1
2-Fluorobiphenyl (Surr)	71		60 - 120	03/07/23 06:59	03/08/23 18:30	1
2-Fluorophenol (Surr)	62		52 - 120	03/07/23 06:59	03/08/23 18:30	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8740		11.3	5.0	mg/Kg	☆	03/03/23 11:58	03/06/23 22:36	1
Antimony	0.74	J	17.0	0.45	mg/Kg	☆	03/03/23 11:58	03/06/23 22:36	1
Arsenic	9.6		2.3	0.45	mg/Kg	☆	03/03/23 11:58	03/06/23 22:36	1
Barium	35.7		0.57	0.12	mg/Kg	☆	03/03/23 11:58	03/06/23 22:36	1
Beryllium	0.39		0.23	0.032	mg/Kg	☆	03/03/23 11:58	03/06/23 22:36	1
Cadmium	ND		0.23	0.034	mg/Kg	☆	03/03/23 11:58	03/06/23 22:36	1
Calcium	56300	B	56.5	3.7	mg/Kg	☆	03/03/23 11:58	03/06/23 22:36	1
Chromium	11.8		0.57	0.23	mg/Kg	☆	03/03/23 11:58	03/06/23 22:36	1
Cobalt	5.2		0.57	0.057	mg/Kg	☆	03/03/23 11:58	03/06/23 22:36	1
Copper	26.0		1.1	0.24	mg/Kg	☆	03/03/23 11:58	03/06/23 22:36	1
Iron	19300		11.3	4.0	mg/Kg	☆	03/03/23 11:58	03/06/23 22:36	1
Lead	12.8		1.1	0.27	mg/Kg	☆	03/03/23 11:58	03/06/23 22:36	1
Magnesium	22400		22.6	1.0	mg/Kg	☆	03/03/23 11:58	03/06/23 22:36	1
Manganese	446	B	0.23	0.036	mg/Kg	☆	03/03/23 11:58	03/06/23 22:36	1
Nickel	13.7	B	5.7	0.26	mg/Kg	☆	03/03/23 11:58	03/07/23 15:35	1
Potassium	2530	B	33.9	22.6	mg/Kg	☆	03/03/23 11:58	03/06/23 22:36	1
Selenium	ND		4.5	0.45	mg/Kg	☆	03/03/23 11:58	03/06/23 22:36	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-03-7-8"

Lab Sample ID: 480-206563-4

Date Collected: 03/01/23 12:11

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 90.9

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.68	0.23	mg/Kg	✱	03/03/23 11:58	03/06/23 22:36	1
Sodium	137	J B	158	14.7	mg/Kg	✱	03/03/23 11:58	03/06/23 22:36	1
Thallium	ND		6.8	0.34	mg/Kg	✱	03/03/23 11:58	03/06/23 22:36	1
Vanadium	18.0		0.57	0.12	mg/Kg	✱	03/03/23 11:58	03/06/23 22:36	1
Zinc	61.7		2.3	0.72	mg/Kg	✱	03/03/23 11:58	03/06/23 22:36	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	J	0.022	0.0051	mg/Kg	✱	03/09/23 10:31	03/09/23 13:29	1

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-01-0-6"

Lab Sample ID: 480-206563-5

Date Collected: 03/01/23 14:52

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 81.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4100	600	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
bis (2-chloroisopropyl) ether	ND		4100	820	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
2,4,5-Trichlorophenol	ND		4100	1100	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
2,4,6-Trichlorophenol	ND		4100	820	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
2,4-Dichlorophenol	ND		4100	440	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
2,4-Dimethylphenol	ND		4100	990	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
2,4-Dinitrophenol	ND		40000	19000	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
2,4-Dinitrotoluene	ND		4100	850	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
2,6-Dinitrotoluene	ND		4100	480	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
2-Chloronaphthalene	ND		4100	680	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
2-Chlorophenol	ND		8000	750	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
2-Methylphenol	ND		4100	480	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
2-Methylnaphthalene	ND		4100	820	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
2-Nitroaniline	ND		8000	600	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
2-Nitrophenol	ND		4100	1200	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
3,3'-Dichlorobenzidine	ND		8000	4800	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
3-Nitroaniline	ND		8000	1100	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
4,6-Dinitro-2-methylphenol	ND		8000	4100	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
4-Bromophenyl phenyl ether	ND		4100	580	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
4-Chloro-3-methylphenol	ND		4100	1000	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
4-Chloroaniline	ND		4100	1000	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
4-Chlorophenyl phenyl ether	ND		4100	510	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
4-Methylphenol	ND		8000	480	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
4-Nitroaniline	ND		8000	2200	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
4-Nitrophenol	ND		8000	2900	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Acenaphthene	ND		4100	600	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Acenaphthylene	ND		4100	530	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Acetophenone	ND		4100	560	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Anthracene	ND		4100	1000	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Atrazine	ND		4100	1400	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Benzaldehyde	ND		4100	3300	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Benzo[a]anthracene	1400	J	4100	410	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Benzo[a]pyrene	1900	J	4100	600	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Benzo[b]fluoranthene	2200	J	4100	650	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Benzo[g,h,i]perylene	760	J	4100	440	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Benzo[k]fluoranthene	980	J	4100	530	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Bis(2-chloroethoxy)methane	ND		4100	870	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Bis(2-chloroethyl)ether	ND		4100	530	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Bis(2-ethylhexyl) phthalate	ND		4100	1400	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Butyl benzyl phthalate	ND		4100	680	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Caprolactam	ND		4100	1200	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Carbazole	ND		4100	480	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Chrysene	1600	J	4100	920	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Dibenz(a,h)anthracene	ND		4100	730	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Di-n-butyl phthalate	ND		4100	700	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Di-n-octyl phthalate	ND		4100	480	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Dibenzofuran	ND		4100	480	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Diethyl phthalate	ND		4100	530	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Dimethyl phthalate	ND		4100	480	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-01-0-6"

Lab Sample ID: 480-206563-5

Date Collected: 03/01/23 14:52

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 81.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	2200	J	4100	440	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Fluorene	ND		4100	480	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Hexachlorobenzene	ND		4100	560	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Hexachlorobutadiene	ND		4100	600	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Hexachlorocyclopentadiene	ND		4100	560	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Hexachloroethane	ND		4100	530	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Indeno[1,2,3-cd]pyrene	750	J	4100	510	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Isophorone	ND		4100	870	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
N-Nitrosodi-n-propylamine	ND		4100	700	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
N-Nitrosodiphenylamine	ND		4100	3300	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Naphthalene	ND		4100	530	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Nitrobenzene	ND		4100	460	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Pentachlorophenol	ND		8000	4100	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Phenanthrene	900	J	4100	600	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Phenol	ND		4100	630	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20
Pyrene	1800	J	4100	480	ug/Kg	☆	03/07/23 06:59	03/08/23 18:54	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	77		53 - 120	03/07/23 06:59	03/08/23 18:54	20
Phenol-d5 (Surr)	78		54 - 120	03/07/23 06:59	03/08/23 18:54	20
p-Terphenyl-d14 (Surr)	79		79 - 130	03/07/23 06:59	03/08/23 18:54	20
2,4,6-Tribromophenol (Surr)	75		54 - 120	03/07/23 06:59	03/08/23 18:54	20
2-Fluorobiphenyl (Surr)	83		60 - 120	03/07/23 06:59	03/08/23 18:54	20
2-Fluorophenol (Surr)	74		52 - 120	03/07/23 06:59	03/08/23 18:54	20

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.30	0.058	mg/Kg	☆	03/06/23 09:12	03/08/23 23:35	1
PCB-1221	ND		0.30	0.058	mg/Kg	☆	03/06/23 09:12	03/08/23 23:35	1
PCB-1232	ND		0.30	0.058	mg/Kg	☆	03/06/23 09:12	03/08/23 23:35	1
PCB-1242	ND		0.30	0.058	mg/Kg	☆	03/06/23 09:12	03/08/23 23:35	1
PCB-1248	ND		0.30	0.058	mg/Kg	☆	03/06/23 09:12	03/08/23 23:35	1
PCB-1254	ND		0.30	0.14	mg/Kg	☆	03/06/23 09:12	03/08/23 23:35	1
PCB-1260	ND		0.30	0.14	mg/Kg	☆	03/06/23 09:12	03/08/23 23:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	122		60 - 154	03/06/23 09:12	03/08/23 23:35	1
Tetrachloro-m-xylene	121		60 - 154	03/06/23 09:12	03/08/23 23:35	1
DCB Decachlorobiphenyl	104		65 - 174	03/06/23 09:12	03/08/23 23:35	1
DCB Decachlorobiphenyl	82		65 - 174	03/06/23 09:12	03/08/23 23:35	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		11.9	5.3	mg/Kg	☆	03/03/23 11:58	03/06/23 22:40	1
Antimony	0.74	J	17.9	0.48	mg/Kg	☆	03/03/23 11:58	03/06/23 22:40	1
Arsenic	9.8		2.4	0.48	mg/Kg	☆	03/03/23 11:58	03/06/23 22:40	1
Barium	372		0.60	0.13	mg/Kg	☆	03/03/23 11:58	03/06/23 22:40	1
Beryllium	0.49		0.24	0.033	mg/Kg	☆	03/03/23 11:58	03/06/23 22:40	1
Cadmium	0.28		0.24	0.036	mg/Kg	☆	03/03/23 11:58	03/06/23 22:40	1
Calcium	54400	B	59.7	3.9	mg/Kg	☆	03/03/23 11:58	03/06/23 22:40	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-01-0-6"

Lab Sample ID: 480-206563-5

Date Collected: 03/01/23 14:52

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 81.9

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	14.8		0.60	0.24	mg/Kg	✱	03/03/23 11:58	03/06/23 22:40	1
Cobalt	6.9		0.60	0.060	mg/Kg	✱	03/03/23 11:58	03/06/23 22:40	1
Copper	32.8		1.2	0.25	mg/Kg	✱	03/03/23 11:58	03/06/23 22:40	1
Iron	20900		11.9	4.2	mg/Kg	✱	03/03/23 11:58	03/06/23 22:40	1
Lead	206		1.2	0.29	mg/Kg	✱	03/03/23 11:58	03/06/23 22:40	1
Magnesium	4550		23.9	1.1	mg/Kg	✱	03/03/23 11:58	03/06/23 22:40	1
Manganese	4210	B	0.24	0.038	mg/Kg	✱	03/03/23 11:58	03/06/23 22:40	1
Nickel	17.0	B ^+	6.0	0.27	mg/Kg	✱	03/03/23 11:58	03/06/23 22:40	1
Potassium	2290	B	35.8	23.9	mg/Kg	✱	03/03/23 11:58	03/06/23 22:40	1
Selenium	ND		4.8	0.48	mg/Kg	✱	03/03/23 11:58	03/06/23 22:40	1
Silver	ND		0.72	0.24	mg/Kg	✱	03/03/23 11:58	03/06/23 22:40	1
Sodium	103	J B	167	15.5	mg/Kg	✱	03/03/23 11:58	03/06/23 22:40	1
Thallium	ND		7.2	0.36	mg/Kg	✱	03/03/23 11:58	03/06/23 22:40	1
Vanadium	32.7		0.60	0.13	mg/Kg	✱	03/03/23 11:58	03/06/23 22:40	1
Zinc	117		2.4	0.76	mg/Kg	✱	03/03/23 11:58	03/06/23 22:40	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.53	F1	0.024	0.0055	mg/Kg	✱	03/09/23 10:31	03/09/23 13:31	1

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-01-2-3"

Lab Sample ID: 480-206563-6

Date Collected: 03/01/23 15:00

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 72.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.9	0.50	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
1,1,2,2-Tetrachloroethane	ND		6.9	1.1	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.9	1.6	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
1,1,2-Trichloroethane	ND		6.9	0.89	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
1,1-Dichloroethane	ND		6.9	0.84	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
1,1-Dichloroethene	ND		6.9	0.84	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
1,2,4-Trichlorobenzene	ND		6.9	0.42	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
1,2-Dibromo-3-Chloropropane	ND		6.9	3.4	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
1,2-Dibromoethane	ND		6.9	0.88	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
1,2-Dichlorobenzene	ND		6.9	0.54	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
1,2-Dichloroethane	ND		6.9	0.34	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
1,2-Dichloropropane	ND		6.9	3.4	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
1,3-Dichlorobenzene	ND		6.9	0.35	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
1,4-Dichlorobenzene	ND		6.9	0.96	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
2-Butanone (MEK)	ND		34	2.5	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
2-Hexanone	ND		34	3.4	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
4-Methyl-2-pentanone (MIBK)	ND		34	2.2	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Acetone	ND		34	5.8	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Benzene	ND		6.9	0.34	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Bromodichloromethane	ND		6.9	0.92	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Bromoform	ND		6.9	3.4	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Bromomethane	ND		6.9	0.62	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Carbon disulfide	ND		6.9	3.4	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Carbon tetrachloride	ND		6.9	0.66	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Chlorobenzene	ND		6.9	0.91	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Chloroethane	ND		6.9	1.5	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Chloroform	ND		6.9	0.42	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Chloromethane	ND		6.9	0.41	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
cis-1,2-Dichloroethene	ND		6.9	0.88	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
cis-1,3-Dichloropropene	ND		6.9	0.99	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Cyclohexane	ND		6.9	0.96	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Dibromochloromethane	ND		6.9	0.88	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Dichlorodifluoromethane	ND		6.9	0.57	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Ethylbenzene	ND		6.9	0.47	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Isopropylbenzene	ND		6.9	1.0	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Methyl acetate	ND		34	4.1	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Methyl tert-butyl ether	ND		6.9	0.67	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Methylcyclohexane	ND		6.9	1.0	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Methylene Chloride	ND		6.9	3.2	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Styrene	ND		6.9	0.34	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Tetrachloroethene	ND		6.9	0.92	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Toluene	ND		6.9	0.52	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
trans-1,2-Dichloroethene	ND		6.9	0.71	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
trans-1,3-Dichloropropene	ND		6.9	3.0	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Trichloroethene	ND		6.9	1.5	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Trichlorofluoromethane	ND		6.9	0.65	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Vinyl chloride	ND		6.9	0.84	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1
Xylenes, Total	ND		14	1.2	ug/Kg	☆	03/02/23 11:00	03/03/23 05:41	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-01-2-3"

Lab Sample ID: 480-206563-6

Date Collected: 03/01/23 15:00

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 72.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		64 - 126	03/02/23 11:00	03/03/23 05:41	1
4-Bromofluorobenzene (Surr)	99		72 - 126	03/02/23 11:00	03/03/23 05:41	1
Dibromofluoromethane (Surr)	102		60 - 140	03/02/23 11:00	03/03/23 05:41	1
Toluene-d8 (Surr)	98		71 - 125	03/02/23 11:00	03/03/23 05:41	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		1200	170	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
bis (2-chloroisopropyl) ether	ND		1200	230	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
2,4,5-Trichlorophenol	ND		1200	310	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
2,4,6-Trichlorophenol	ND		1200	230	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
2,4-Dichlorophenol	ND		1200	120	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
2,4-Dimethylphenol	ND		1200	280	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
2,4-Dinitrophenol	ND		11000	5400	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
2,4-Dinitrotoluene	ND		1200	240	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
2,6-Dinitrotoluene	ND		1200	140	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
2-Chloronaphthalene	ND		1200	190	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
2-Chlorophenol	ND		2300	210	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
2-Methylphenol	ND		1200	140	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
2-Methylnaphthalene	ND		1200	230	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
2-Nitroaniline	ND		2300	170	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
2-Nitrophenol	ND		1200	330	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
3,3'-Dichlorobenzidine	ND		2300	1400	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
3-Nitroaniline	ND		2300	320	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
4,6-Dinitro-2-methylphenol	ND		2300	1200	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
4-Bromophenyl phenyl ether	ND		1200	160	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
4-Chloro-3-methylphenol	ND		1200	290	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
4-Chloroaniline	ND		1200	290	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
4-Chlorophenyl phenyl ether	ND		1200	140	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
4-Methylphenol	ND		2300	140	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
4-Nitroaniline	ND		2300	610	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
4-Nitrophenol	ND		2300	810	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Acenaphthene	ND		1200	170	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Acenaphthylene	ND		1200	150	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Acetophenone	ND		1200	160	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Anthracene	ND		1200	290	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Atrazine	ND		1200	400	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Benzaldehyde	ND		1200	920	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Benzo[a]anthracene	ND		1200	120	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Benzo[a]pyrene	ND		1200	170	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Benzo[b]fluoranthene	ND		1200	180	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Benzo[g,h,i]perylene	ND		1200	120	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Benzo[k]fluoranthene	ND		1200	150	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Bis(2-chloroethoxy)methane	ND		1200	250	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Bis(2-chloroethyl)ether	ND		1200	150	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Bis(2-ethylhexyl) phthalate	ND		1200	400	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Butyl benzyl phthalate	ND		1200	190	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Caprolactam	ND		1200	350	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Carbazole	ND		1200	140	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Chrysene	ND		1200	260	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-01-2-3"

Lab Sample ID: 480-206563-6

Date Collected: 03/01/23 15:00

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 72.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		1200	200	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Di-n-butyl phthalate	ND		1200	200	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Di-n-octyl phthalate	ND		1200	140	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Dibenzofuran	ND		1200	140	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Diethyl phthalate	ND		1200	150	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Dimethyl phthalate	ND		1200	140	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Fluoranthene	ND		1200	120	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Fluorene	ND		1200	140	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Hexachlorobenzene	ND		1200	160	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Hexachlorobutadiene	ND		1200	170	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Hexachlorocyclopentadiene	ND		1200	160	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Hexachloroethane	ND		1200	150	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Indeno[1,2,3-cd]pyrene	ND		1200	140	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Isophorone	ND		1200	250	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
N-Nitrosodi-n-propylamine	ND		1200	200	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
N-Nitrosodiphenylamine	ND		1200	940	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Naphthalene	ND		1200	150	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Nitrobenzene	ND		1200	130	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Pentachlorophenol	ND		2300	1200	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Phenanthrene	ND		1200	170	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Phenol	ND		1200	180	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5
Pyrene	ND		1200	140	ug/Kg	☆	03/07/23 06:59	03/08/23 19:18	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	77		53 - 120	03/07/23 06:59	03/08/23 19:18	5
Phenol-d5 (Surr)	79		54 - 120	03/07/23 06:59	03/08/23 19:18	5
p-Terphenyl-d14 (Surr)	80		79 - 130	03/07/23 06:59	03/08/23 19:18	5
2,4,6-Tribromophenol (Surr)	61		54 - 120	03/07/23 06:59	03/08/23 19:18	5
2-Fluorobiphenyl (Surr)	84		60 - 120	03/07/23 06:59	03/08/23 19:18	5
2-Fluorophenol (Surr)	72		52 - 120	03/07/23 06:59	03/08/23 19:18	5

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.33	0.065	mg/Kg	☆	03/06/23 09:12	03/08/23 23:49	1
PCB-1221	ND		0.33	0.065	mg/Kg	☆	03/06/23 09:12	03/08/23 23:49	1
PCB-1232	ND		0.33	0.065	mg/Kg	☆	03/06/23 09:12	03/08/23 23:49	1
PCB-1242	ND		0.33	0.065	mg/Kg	☆	03/06/23 09:12	03/08/23 23:49	1
PCB-1248	ND		0.33	0.065	mg/Kg	☆	03/06/23 09:12	03/08/23 23:49	1
PCB-1254	ND		0.33	0.16	mg/Kg	☆	03/06/23 09:12	03/08/23 23:49	1
PCB-1260	ND		0.33	0.16	mg/Kg	☆	03/06/23 09:12	03/08/23 23:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	123		60 - 154	03/06/23 09:12	03/08/23 23:49	1
Tetrachloro-m-xylene	139		60 - 154	03/06/23 09:12	03/08/23 23:49	1
DCB Decachlorobiphenyl	103		65 - 174	03/06/23 09:12	03/08/23 23:49	1
DCB Decachlorobiphenyl	83		65 - 174	03/06/23 09:12	03/08/23 23:49	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13200		13.4	5.9	mg/Kg	☆	03/03/23 11:58	03/06/23 22:44	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-01-2-3"

Lab Sample ID: 480-206563-6

Date Collected: 03/01/23 15:00

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 72.9

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.0	J	20.0	0.53	mg/Kg	✱	03/03/23 11:58	03/06/23 22:44	1
Arsenic	6.0		2.7	0.53	mg/Kg	✱	03/03/23 11:58	03/06/23 22:44	1
Barium	246		0.67	0.15	mg/Kg	✱	03/03/23 11:58	03/06/23 22:44	1
Beryllium	0.50		0.27	0.037	mg/Kg	✱	03/03/23 11:58	03/06/23 22:44	1
Cadmium	0.12	J	0.27	0.040	mg/Kg	✱	03/03/23 11:58	03/06/23 22:44	1
Calcium	3310	B	66.8	4.4	mg/Kg	✱	03/03/23 11:58	03/06/23 22:44	1
Chromium	15.5		0.67	0.27	mg/Kg	✱	03/03/23 11:58	03/06/23 22:44	1
Cobalt	7.0		0.67	0.067	mg/Kg	✱	03/03/23 11:58	03/06/23 22:44	1
Copper	18.1		1.3	0.28	mg/Kg	✱	03/03/23 11:58	03/06/23 22:44	1
Iron	20700		13.4	4.7	mg/Kg	✱	03/03/23 11:58	03/06/23 22:44	1
Lead	39.4		1.3	0.32	mg/Kg	✱	03/03/23 11:58	03/06/23 22:44	1
Magnesium	2980		26.7	1.2	mg/Kg	✱	03/03/23 11:58	03/06/23 22:44	1
Manganese	3520	B	0.27	0.043	mg/Kg	✱	03/03/23 11:58	03/06/23 22:44	1
Nickel	15.0	B	6.7	0.31	mg/Kg	✱	03/03/23 11:58	03/07/23 15:39	1
Potassium	2170	B	40.1	26.7	mg/Kg	✱	03/03/23 11:58	03/06/23 22:44	1
Selenium	0.93	J	5.3	0.53	mg/Kg	✱	03/03/23 11:58	03/06/23 22:44	1
Silver	ND		0.80	0.27	mg/Kg	✱	03/03/23 11:58	03/06/23 22:44	1
Sodium	63.4	J B	187	17.4	mg/Kg	✱	03/03/23 11:58	03/06/23 22:44	1
Thallium	ND		8.0	0.40	mg/Kg	✱	03/03/23 11:58	03/06/23 22:44	1
Vanadium	24.9		0.67	0.15	mg/Kg	✱	03/03/23 11:58	03/06/23 22:44	1
Zinc	59.9		2.7	0.85	mg/Kg	✱	03/03/23 11:58	03/06/23 22:44	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11		0.026	0.0061	mg/Kg	✱	03/09/23 10:31	03/09/23 13:39	1

Surrogate Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (64-126)	BFB (72-126)	DBFM (60-140)	TOL (71-125)
480-206563-2	SB-06-4-5"	106	100	102	99
480-206563-4	SB-03-7-8"	103	97	102	99
480-206563-6	SB-01-2-3"	107	99	102	98
LCS 480-660357/1-A	Lab Control Sample	100	100	102	100
MB 480-660357/2-A	Method Blank	99	100	100	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (53-120)	PHL (54-120)	TPHd14 (79-130)	TBP (54-120)	FBP (60-120)	2FP (52-120)
480-206563-1	SB-06-6-12"	73	76	74 S1-	58	74	72
480-206563-2	SB-06-4-5"	75	72	73 S1-	63	78	74
480-206563-3	SB-03-6-12"	68	72	72 S1-	60	77	72
480-206563-4	SB-03-7-8"	69	67	76 S1-	61	71	62
480-206563-5	SB-01-0-6"	77	78	79	75	83	74
480-206563-6	SB-01-2-3"	77	79	80	61	84	72
LCS 480-660647/2-A	Lab Control Sample	83	82	96	87	87	75
MB 480-660647/1-A	Method Blank	79	78	97	61	83	70

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-206563-1	SB-06-6-12"	106	117	95	79
480-206563-3	SB-03-6-12"	108	111	91	73
480-206563-5	SB-01-0-6"	122	121	104	82
480-206563-6	SB-01-2-3"	123	139	103	83
LCS 480-660538/2-A	Lab Control Sample	138	144	137	110
MB 480-660538/1-A	Method Blank	123	135	125	99

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-660357/2-A

Matrix: Solid

Analysis Batch: 660358

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660357

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
2-Hexanone	ND		25	2.5	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Acetone	ND		25	4.2	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Benzene	ND		5.0	0.25	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Bromoform	ND		5.0	2.5	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Bromomethane	ND		5.0	0.45	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Chloroethane	ND		5.0	1.1	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Chloroform	0.392	J	5.0	0.31	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Chloromethane	ND		5.0	0.30	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Cyclohexane	ND		5.0	0.70	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Methyl acetate	ND		25	3.0	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Styrene	ND		5.0	0.25	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Toluene	ND		5.0	0.38	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Trichloroethene	ND		5.0	1.1	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		03/02/23 18:33	03/02/23 22:23	1
Xylenes, Total	ND		10	0.84	ug/Kg		03/02/23 18:33	03/02/23 22:23	1

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-660357/2-A

Matrix: Solid

Analysis Batch: 660358

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660357

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		64 - 126	03/02/23 18:33	03/02/23 22:23	1
4-Bromofluorobenzene (Surr)	100		72 - 126	03/02/23 18:33	03/02/23 22:23	1
Dibromofluoromethane (Surr)	100		60 - 140	03/02/23 18:33	03/02/23 22:23	1
Toluene-d8 (Surr)	100		71 - 125	03/02/23 18:33	03/02/23 22:23	1

Lab Sample ID: LCS 480-660357/1-A

Matrix: Solid

Analysis Batch: 660358

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 660357

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	52.8		ug/Kg		106	77 - 121
1,1,1,2,2-Tetrachloroethane	50.0	50.7		ug/Kg		101	80 - 120
1,1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	51.9		ug/Kg		104	60 - 140
1,1,2-Trichloroethane	50.0	49.7		ug/Kg		99	78 - 122
1,1-Dichloroethane	50.0	50.5		ug/Kg		101	73 - 126
1,1-Dichloroethene	50.0	51.2		ug/Kg		102	59 - 125
1,2,4-Trichlorobenzene	50.0	52.6		ug/Kg		105	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	56.3		ug/Kg		113	63 - 124
1,2-Dibromoethane	50.0	50.5		ug/Kg		101	78 - 120
1,2-Dichlorobenzene	50.0	49.8		ug/Kg		100	75 - 120
1,2-Dichloroethane	50.0	49.0		ug/Kg		98	77 - 122
1,2-Dichloropropane	50.0	49.1		ug/Kg		98	75 - 124
1,3-Dichlorobenzene	50.0	50.1		ug/Kg		100	74 - 120
1,4-Dichlorobenzene	50.0	49.6		ug/Kg		99	73 - 120
2-Butanone (MEK)	250	256		ug/Kg		102	70 - 134
2-Hexanone	250	263		ug/Kg		105	59 - 130
4-Methyl-2-pentanone (MIBK)	250	263		ug/Kg		105	65 - 133
Acetone	250	244		ug/Kg		98	61 - 137
Benzene	50.0	50.1		ug/Kg		100	79 - 127
Bromodichloromethane	50.0	51.8		ug/Kg		104	80 - 122
Bromoform	50.0	55.0		ug/Kg		110	68 - 126
Bromomethane	50.0	48.3		ug/Kg		97	37 - 149
Carbon disulfide	50.0	50.9		ug/Kg		102	64 - 131
Carbon tetrachloride	50.0	54.7		ug/Kg		109	75 - 135
Chlorobenzene	50.0	49.8		ug/Kg		100	76 - 124
Chloroethane	50.0	50.0		ug/Kg		100	69 - 135
Chloroform	50.0	48.8		ug/Kg		98	80 - 120
Chloromethane	50.0	49.0		ug/Kg		98	63 - 127
cis-1,2-Dichloroethene	50.0	50.7		ug/Kg		101	81 - 120
cis-1,3-Dichloropropene	50.0	51.5		ug/Kg		103	80 - 120
Cyclohexane	50.0	51.7		ug/Kg		103	65 - 120
Dibromochloromethane	50.0	53.8		ug/Kg		108	76 - 125
Dichlorodifluoromethane	50.0	49.9		ug/Kg		100	57 - 142
Ethylbenzene	50.0	51.2		ug/Kg		102	80 - 120
Isopropylbenzene	50.0	52.3		ug/Kg		105	72 - 120
Methyl acetate	100	101		ug/Kg		101	55 - 136
Methyl tert-butyl ether	50.0	50.5		ug/Kg		101	63 - 125
Methylcyclohexane	50.0	51.9		ug/Kg		104	60 - 140

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-660357/1-A

Matrix: Solid

Analysis Batch: 660358

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 660357

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				Limits
Methylene Chloride	50.0	50.9		ug/Kg		102	61 - 127
Styrene	50.0	51.5		ug/Kg		103	80 - 120
Tetrachloroethene	50.0	51.3		ug/Kg		103	74 - 122
Toluene	50.0	50.9		ug/Kg		102	74 - 128
trans-1,2-Dichloroethene	50.0	51.6		ug/Kg		103	78 - 126
Trichloroethene	50.0	50.8		ug/Kg		102	77 - 129
Trichlorofluoromethane	50.0	50.2		ug/Kg		100	65 - 146
Vinyl chloride	50.0	49.0		ug/Kg		98	61 - 133

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	100		64 - 126
4-Bromofluorobenzene (Surr)	100		72 - 126
Dibromofluoromethane (Surr)	102		60 - 140
Toluene-d8 (Surr)	100		71 - 125

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-660647/1-A

Matrix: Solid

Analysis Batch: 660819

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660647

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Biphenyl	ND		170	24	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
bis (2-chloroisopropyl) ether	ND		170	33	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2,4,5-Trichlorophenol	ND		170	45	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2,4,6-Trichlorophenol	ND		170	33	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2,4-Dichlorophenol	ND		170	18	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2,4-Dimethylphenol	ND		170	40	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2,4-Dinitrophenol	ND		1600	770	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2,4-Dinitrotoluene	ND		170	34	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2-Chloronaphthalene	ND		170	27	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2-Chlorophenol	ND		320	30	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2-Methylphenol	ND		170	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2-Methylnaphthalene	ND		170	33	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2-Nitroaniline	ND		320	24	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2-Nitrophenol	ND		170	47	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
3,3'-Dichlorobenzidine	ND		320	200	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
3-Nitroaniline	ND		320	46	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
4,6-Dinitro-2-methylphenol	ND		320	170	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
4-Bromophenyl phenyl ether	ND		170	24	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
4-Chloro-3-methylphenol	ND		170	41	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
4-Chloroaniline	ND		170	41	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
4-Chlorophenyl phenyl ether	ND		170	21	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
4-Methylphenol	ND		320	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
4-Nitroaniline	ND		320	87	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
4-Nitrophenol	ND		320	120	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Acenaphthene	ND		170	24	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Acenaphthylene	ND		170	22	ug/Kg		03/07/23 06:59	03/08/23 11:40	1

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-660647/1-A

Matrix: Solid

Analysis Batch: 660819

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660647

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		170	23	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Anthracene	ND		170	41	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Atrazine	ND		170	58	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Benzaldehyde	ND		170	130	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Benzo[a]anthracene	ND		170	17	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Benzo[a]pyrene	ND		170	24	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Benzo[b]fluoranthene	ND		170	26	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Bis(2-chloroethoxy)methane	ND		170	35	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Bis(2-chloroethyl)ether	ND		170	22	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Bis(2-ethylhexyl) phthalate	ND		170	57	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Butyl benzyl phthalate	ND		170	27	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Caprolactam	ND		170	50	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Carbazole	ND		170	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Chrysene	ND		170	37	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Dibenz(a,h)anthracene	ND		170	29	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Di-n-butyl phthalate	ND		170	28	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Di-n-octyl phthalate	ND		170	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Dibenzofuran	ND		170	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Diethyl phthalate	ND		170	22	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Dimethyl phthalate	ND		170	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Fluoranthene	ND		170	18	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Fluorene	ND		170	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Hexachlorobenzene	ND		170	23	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Hexachlorobutadiene	ND		170	24	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Hexachlorocyclopentadiene	ND		170	23	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Hexachloroethane	ND		170	22	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Isophorone	ND		170	35	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
N-Nitrosodi-n-propylamine	ND		170	28	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
N-Nitrosodiphenylamine	ND		170	140	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Naphthalene	ND		170	22	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Nitrobenzene	ND		170	19	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Pentachlorophenol	ND		320	170	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Phenanthrene	ND		170	24	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Phenol	ND		170	25	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Pyrene	ND		170	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	79		53 - 120	03/07/23 06:59	03/08/23 11:40	1
Phenol-d5 (Surr)	78		54 - 120	03/07/23 06:59	03/08/23 11:40	1
p-Terphenyl-d14 (Surr)	97		79 - 130	03/07/23 06:59	03/08/23 11:40	1
2,4,6-Tribromophenol (Surr)	61		54 - 120	03/07/23 06:59	03/08/23 11:40	1
2-Fluorobiphenyl (Surr)	83		60 - 120	03/07/23 06:59	03/08/23 11:40	1
2-Fluorophenol (Surr)	70		52 - 120	03/07/23 06:59	03/08/23 11:40	1

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-660647/2-A

Matrix: Solid

Analysis Batch: 660819

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 660647

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biphenyl	1650	1550		ug/Kg		94	59 - 120
bis (2-chloroisopropyl) ether	1650	1520		ug/Kg		92	44 - 120
2,4,5-Trichlorophenol	1650	1530		ug/Kg		93	59 - 126
2,4,6-Trichlorophenol	1650	1530		ug/Kg		93	59 - 123
2,4-Dichlorophenol	1650	1470		ug/Kg		89	61 - 120
2,4-Dimethylphenol	1650	1540		ug/Kg		93	59 - 120
2,4-Dinitrophenol	3290	2790		ug/Kg		85	41 - 146
2,4-Dinitrotoluene	1650	1570		ug/Kg		95	63 - 120
2,6-Dinitrotoluene	1650	1610		ug/Kg		98	66 - 120
2-Chloronaphthalene	1650	1520		ug/Kg		92	57 - 120
2-Chlorophenol	1650	1380		ug/Kg		84	53 - 120
2-Methylphenol	1650	1470		ug/Kg		89	54 - 120
2-Methylnaphthalene	1650	1560		ug/Kg		95	59 - 120
2-Nitroaniline	1650	1650		ug/Kg		100	61 - 120
2-Nitrophenol	1650	1470		ug/Kg		90	56 - 120
3,3'-Dichlorobenzidine	3290	2900		ug/Kg		88	54 - 120
3-Nitroaniline	1650	1220		ug/Kg		74	48 - 120
4,6-Dinitro-2-methylphenol	3290	3500		ug/Kg		106	49 - 122
4-Bromophenyl phenyl ether	1650	1600		ug/Kg		97	58 - 120
4-Chloro-3-methylphenol	1650	1580		ug/Kg		96	61 - 120
4-Chloroaniline	1650	1220		ug/Kg		74	38 - 120
4-Chlorophenyl phenyl ether	1650	1540		ug/Kg		94	63 - 124
4-Methylphenol	1650	1480		ug/Kg		90	55 - 120
4-Nitroaniline	1650	1450		ug/Kg		88	56 - 120
4-Nitrophenol	3290	3020		ug/Kg		92	43 - 147
Acenaphthene	1650	1580		ug/Kg		96	62 - 120
Acenaphthylene	1650	1580		ug/Kg		96	58 - 121
Acetophenone	1650	1450		ug/Kg		88	54 - 120
Anthracene	1650	1580		ug/Kg		96	62 - 120
Atrazine	3290	3130		ug/Kg		95	60 - 127
Benzaldehyde	3290	2160		ug/Kg		66	10 - 150
Benzo[a]anthracene	1650	1600		ug/Kg		97	65 - 120
Benzo[a]pyrene	1650	1650		ug/Kg		100	64 - 120
Benzo[b]fluoranthene	1650	1600		ug/Kg		97	64 - 120
Benzo[g,h,i]perylene	1650	1700		ug/Kg		104	45 - 145
Benzo[k]fluoranthene	1650	1640		ug/Kg		100	65 - 120
Bis(2-chloroethoxy)methane	1650	1480		ug/Kg		90	55 - 120
Bis(2-chloroethyl)ether	1650	1350		ug/Kg		82	45 - 120
Bis(2-ethylhexyl) phthalate	1650	1640		ug/Kg		99	61 - 133
Butyl benzyl phthalate	1650	1700		ug/Kg		103	61 - 129
Caprolactam	3290	3040		ug/Kg		92	47 - 120
Carbazole	1650	1630		ug/Kg		99	65 - 120
Chrysene	1650	1570		ug/Kg		95	64 - 120
Dibenz(a,h)anthracene	1650	1670		ug/Kg		102	54 - 132
Di-n-butyl phthalate	1650	1640		ug/Kg		99	58 - 130
Di-n-octyl phthalate	1650	1690		ug/Kg		103	57 - 133
Dibenzofuran	1650	1560		ug/Kg		95	63 - 120
Diethyl phthalate	1650	1610		ug/Kg		98	66 - 120

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-660647/2-A

Matrix: Solid

Analysis Batch: 660819

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 660647

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dimethyl phthalate	1650	1580		ug/Kg		96	65 - 124
Fluoranthene	1650	1630		ug/Kg		99	62 - 120
Fluorene	1650	1580		ug/Kg		96	63 - 120
Hexachlorobenzene	1650	1550		ug/Kg		94	60 - 120
Hexachlorobutadiene	1650	1340		ug/Kg		81	45 - 120
Hexachlorocyclopentadiene	1650	1320		ug/Kg		80	47 - 120
Hexachloroethane	1650	1230		ug/Kg		75	41 - 120
Indeno[1,2,3-cd]pyrene	1650	1790		ug/Kg		109	56 - 134
Isophorone	1650	1520		ug/Kg		93	56 - 120
N-Nitrosodi-n-propylamine	1650	1480		ug/Kg		90	52 - 120
N-Nitrosodiphenylamine	1650	1640		ug/Kg		100	51 - 128
Naphthalene	1650	1400		ug/Kg		85	55 - 120
Nitrobenzene	1650	1440		ug/Kg		88	54 - 120
Pentachlorophenol	3290	2670		ug/Kg		81	51 - 120
Phenanthrene	1650	1630		ug/Kg		99	60 - 120
Phenol	1650	1430		ug/Kg		87	53 - 120
Pyrene	1650	1750		ug/Kg		106	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	83		53 - 120
Phenol-d5 (Surr)	82		54 - 120
p-Terphenyl-d14 (Surr)	96		79 - 130
2,4,6-Tribromophenol (Surr)	87		54 - 120
2-Fluorobiphenyl (Surr)	87		60 - 120
2-Fluorophenol (Surr)	75		52 - 120

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-660538/1-A

Matrix: Solid

Analysis Batch: 660891

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660538

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.048	mg/Kg		03/06/23 09:12	03/08/23 20:01	1
PCB-1221	ND		0.24	0.048	mg/Kg		03/06/23 09:12	03/08/23 20:01	1
PCB-1232	ND		0.24	0.048	mg/Kg		03/06/23 09:12	03/08/23 20:01	1
PCB-1242	ND		0.24	0.048	mg/Kg		03/06/23 09:12	03/08/23 20:01	1
PCB-1248	ND		0.24	0.048	mg/Kg		03/06/23 09:12	03/08/23 20:01	1
PCB-1254	ND		0.24	0.11	mg/Kg		03/06/23 09:12	03/08/23 20:01	1
PCB-1260	ND		0.24	0.11	mg/Kg		03/06/23 09:12	03/08/23 20:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	123		60 - 154	03/06/23 09:12	03/08/23 20:01	1
Tetrachloro-m-xylene	135		60 - 154	03/06/23 09:12	03/08/23 20:01	1
DCB Decachlorobiphenyl	125		65 - 174	03/06/23 09:12	03/08/23 20:01	1
DCB Decachlorobiphenyl	99		65 - 174	03/06/23 09:12	03/08/23 20:01	1

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 480-660538/2-A

Matrix: Solid

Analysis Batch: 660891

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 660538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	2.35	3.37		mg/Kg		144	51 - 185
PCB-1260	2.35	3.04		mg/Kg		129	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	138		60 - 154
Tetrachloro-m-xylene	144		60 - 154
DCB Decachlorobiphenyl	137		65 - 174
DCB Decachlorobiphenyl	110		65 - 174

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-660424/1-A

Matrix: Solid

Analysis Batch: 660681

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660424

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		10.5	4.6	mg/Kg		03/03/23 11:58	03/06/23 20:36	1
Antimony	ND		15.7	0.42	mg/Kg		03/03/23 11:58	03/06/23 20:36	1
Arsenic	ND		2.1	0.42	mg/Kg		03/03/23 11:58	03/06/23 20:36	1
Barium	ND		0.52	0.12	mg/Kg		03/03/23 11:58	03/06/23 20:36	1
Beryllium	ND		0.21	0.029	mg/Kg		03/03/23 11:58	03/06/23 20:36	1
Cadmium	ND		0.21	0.031	mg/Kg		03/03/23 11:58	03/06/23 20:36	1
Calcium	4.31	J	52.5	3.5	mg/Kg		03/03/23 11:58	03/06/23 20:36	1
Chromium	ND		0.52	0.21	mg/Kg		03/03/23 11:58	03/06/23 20:36	1
Cobalt	ND		0.52	0.052	mg/Kg		03/03/23 11:58	03/06/23 20:36	1
Copper	ND		1.0	0.22	mg/Kg		03/03/23 11:58	03/06/23 20:36	1
Iron	ND		10.5	3.7	mg/Kg		03/03/23 11:58	03/06/23 20:36	1
Lead	ND		1.0	0.25	mg/Kg		03/03/23 11:58	03/06/23 20:36	1
Magnesium	ND		21.0	0.97	mg/Kg		03/03/23 11:58	03/06/23 20:36	1
Manganese	0.0399	J	0.21	0.034	mg/Kg		03/03/23 11:58	03/06/23 20:36	1
Nickel	0.322	J ^+	5.2	0.24	mg/Kg		03/03/23 11:58	03/06/23 20:36	1
Potassium	40.29		31.5	21.0	mg/Kg		03/03/23 11:58	03/06/23 20:36	1
Selenium	ND		4.2	0.42	mg/Kg		03/03/23 11:58	03/06/23 20:36	1
Silver	ND		0.63	0.21	mg/Kg		03/03/23 11:58	03/06/23 20:36	1
Sodium	40.30	J	147	13.6	mg/Kg		03/03/23 11:58	03/06/23 20:36	1
Thallium	ND		6.3	0.31	mg/Kg		03/03/23 11:58	03/06/23 20:36	1
Vanadium	ND		0.52	0.12	mg/Kg		03/03/23 11:58	03/06/23 20:36	1
Zinc	ND		2.1	0.67	mg/Kg		03/03/23 11:58	03/06/23 20:36	1

Lab Sample ID: LCSSRM 480-660424/2-A

Matrix: Solid

Analysis Batch: 660681

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 660424

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	10100	9569		mg/Kg		94.7	37.5 - 114.9
Antimony	234	84.53		mg/Kg		36.1	10.0 - 120.1

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-660424/2-A

Matrix: Solid

Analysis Batch: 660681

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 660424

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	129	108.5		mg/Kg		84.1	60.9 - 113.2
Barium	169	144.7		mg/Kg		85.6	68.6 - 114.2
Beryllium	137	106.1		mg/Kg		77.4	66.3 - 110.2
Cadmium	227	172.8		mg/Kg		76.1	64.8 - 110.1
Calcium	5190	4394		mg/Kg		84.7	64.0 - 112.9
Chromium	115	93.45		mg/Kg		81.3	62.4 - 115.7
Cobalt	50.0	48.04		mg/Kg		96.1	69.6 - 115.8
Copper	76.0	64.01		mg/Kg		84.2	69.5 - 115.8
Iron	15000	15620		mg/Kg		104.2	29.9 - 149.3
Lead	74.8	87.00		mg/Kg		116.3	67.0 - 128.9
Magnesium	2570	2259		mg/Kg		87.9	53.7 - 121.0
Manganese	400	359.5		mg/Kg		89.9	70.5 - 115.8
Nickel	282	259.8	^+	mg/Kg		92.1	62.1 - 114.9
Potassium	2420	2201		mg/Kg		91.0	46.7 - 113.2
Selenium	246	197.1		mg/Kg		80.1	60.2 - 114.6
Silver	87.5	73.19		mg/Kg		83.6	63.7 - 115.4
Sodium	161	172.9		mg/Kg		107.4	28.6 - 136.0
Thallium	77.4	78.00		mg/Kg		100.8	55.0 - 120.0
Vanadium	201	173.1		mg/Kg		86.1	64.7 - 111.4
Zinc	401	311.2		mg/Kg		77.6	62.8 - 116.7

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-660966/1-A

Matrix: Solid

Analysis Batch: 661106

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660966

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0046	mg/Kg		03/09/23 10:31	03/09/23 13:22	1

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCSSRM 480-660966/2-A ^10

Matrix: Solid

Analysis Batch: 661106

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 660966

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	20.7	13.18		mg/Kg		63.7	38.3 - 110.1

Lab Sample ID: 480-206563-5 MS

Matrix: Solid

Analysis Batch: 661106

Client Sample ID: SB-01-0-6"

Prep Type: Total/NA

Prep Batch: 660966

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.53	F1	0.405	1.07	F1	mg/Kg	✱	135	80 - 120

Lab Sample ID: 480-206563-5 MSD

Matrix: Solid

Analysis Batch: 661106

Client Sample ID: SB-01-0-6"

Prep Type: Total/NA

Prep Batch: 660966

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.53	F1	0.402	1.10	F1	mg/Kg	✱	143	80 - 120	3	20

QC Association Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

GC/MS VOA

Prep Batch: 660357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206563-2	SB-06-4-5"	Total/NA	Solid	5035A_L	
480-206563-4	SB-03-7-8"	Total/NA	Solid	5035A_L	
480-206563-6	SB-01-2-3"	Total/NA	Solid	5035A_L	
MB 480-660357/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-660357/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 660358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206563-2	SB-06-4-5"	Total/NA	Solid	8260C	660357
480-206563-4	SB-03-7-8"	Total/NA	Solid	8260C	660357
480-206563-6	SB-01-2-3"	Total/NA	Solid	8260C	660357
MB 480-660357/2-A	Method Blank	Total/NA	Solid	8260C	660357
LCS 480-660357/1-A	Lab Control Sample	Total/NA	Solid	8260C	660357

GC/MS Semi VOA

Prep Batch: 660647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206563-1	SB-06-6-12"	Total/NA	Solid	3550C	
480-206563-2	SB-06-4-5"	Total/NA	Solid	3550C	
480-206563-3	SB-03-6-12"	Total/NA	Solid	3550C	
480-206563-4	SB-03-7-8"	Total/NA	Solid	3550C	
480-206563-5	SB-01-0-6"	Total/NA	Solid	3550C	
480-206563-6	SB-01-2-3"	Total/NA	Solid	3550C	
MB 480-660647/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-660647/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 660819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206563-1	SB-06-6-12"	Total/NA	Solid	8270D	660647
480-206563-2	SB-06-4-5"	Total/NA	Solid	8270D	660647
480-206563-3	SB-03-6-12"	Total/NA	Solid	8270D	660647
480-206563-4	SB-03-7-8"	Total/NA	Solid	8270D	660647
480-206563-5	SB-01-0-6"	Total/NA	Solid	8270D	660647
480-206563-6	SB-01-2-3"	Total/NA	Solid	8270D	660647
MB 480-660647/1-A	Method Blank	Total/NA	Solid	8270D	660647
LCS 480-660647/2-A	Lab Control Sample	Total/NA	Solid	8270D	660647

GC Semi VOA

Prep Batch: 660538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206563-1	SB-06-6-12"	Total/NA	Solid	3550C	
480-206563-3	SB-03-6-12"	Total/NA	Solid	3550C	
480-206563-5	SB-01-0-6"	Total/NA	Solid	3550C	
480-206563-6	SB-01-2-3"	Total/NA	Solid	3550C	
MB 480-660538/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-660538/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 660891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206563-1	SB-06-6-12"	Total/NA	Solid	8082A	660538

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QC Association Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

GC Semi VOA (Continued)

Analysis Batch: 660891 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206563-3	SB-03-6-12"	Total/NA	Solid	8082A	660538
480-206563-5	SB-01-0-6"	Total/NA	Solid	8082A	660538
480-206563-6	SB-01-2-3"	Total/NA	Solid	8082A	660538
MB 480-660538/1-A	Method Blank	Total/NA	Solid	8082A	660538
LCS 480-660538/2-A	Lab Control Sample	Total/NA	Solid	8082A	660538

Metals

Prep Batch: 660424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206563-1	SB-06-6-12"	Total/NA	Solid	3050B	
480-206563-2	SB-06-4-5"	Total/NA	Solid	3050B	
480-206563-3	SB-03-6-12"	Total/NA	Solid	3050B	
480-206563-4	SB-03-7-8"	Total/NA	Solid	3050B	
480-206563-5	SB-01-0-6"	Total/NA	Solid	3050B	
480-206563-6	SB-01-2-3"	Total/NA	Solid	3050B	
MB 480-660424/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-660424/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 660681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206563-1	SB-06-6-12"	Total/NA	Solid	6010C	660424
480-206563-2	SB-06-4-5"	Total/NA	Solid	6010C	660424
480-206563-3	SB-03-6-12"	Total/NA	Solid	6010C	660424
480-206563-4	SB-03-7-8"	Total/NA	Solid	6010C	660424
480-206563-5	SB-01-0-6"	Total/NA	Solid	6010C	660424
480-206563-6	SB-01-2-3"	Total/NA	Solid	6010C	660424
MB 480-660424/1-A	Method Blank	Total/NA	Solid	6010C	660424
LCSSRM 480-660424/2-A	Lab Control Sample	Total/NA	Solid	6010C	660424

Analysis Batch: 660847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206563-1	SB-06-6-12"	Total/NA	Solid	6010C	660424
480-206563-1	SB-06-6-12"	Total/NA	Solid	6010C	660424
480-206563-4	SB-03-7-8"	Total/NA	Solid	6010C	660424
480-206563-6	SB-01-2-3"	Total/NA	Solid	6010C	660424

Prep Batch: 660966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206563-1	SB-06-6-12"	Total/NA	Solid	7471B	
480-206563-2	SB-06-4-5"	Total/NA	Solid	7471B	
480-206563-3	SB-03-6-12"	Total/NA	Solid	7471B	
480-206563-4	SB-03-7-8"	Total/NA	Solid	7471B	
480-206563-5	SB-01-0-6"	Total/NA	Solid	7471B	
480-206563-6	SB-01-2-3"	Total/NA	Solid	7471B	
MB 480-660966/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-660966/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	
480-206563-5 MS	SB-01-0-6"	Total/NA	Solid	7471B	
480-206563-5 MSD	SB-01-0-6"	Total/NA	Solid	7471B	

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QC Association Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Metals

Analysis Batch: 661106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206563-1	SB-06-6-12"	Total/NA	Solid	7471B	660966
480-206563-2	SB-06-4-5"	Total/NA	Solid	7471B	660966
480-206563-3	SB-03-6-12"	Total/NA	Solid	7471B	660966
480-206563-4	SB-03-7-8"	Total/NA	Solid	7471B	660966
480-206563-5	SB-01-0-6"	Total/NA	Solid	7471B	660966
480-206563-6	SB-01-2-3"	Total/NA	Solid	7471B	660966
MB 480-660966/1-A	Method Blank	Total/NA	Solid	7471B	660966
LCSSRM 480-660966/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	660966
480-206563-5 MS	SB-01-0-6"	Total/NA	Solid	7471B	660966
480-206563-5 MSD	SB-01-0-6"	Total/NA	Solid	7471B	660966

General Chemistry

Analysis Batch: 660342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206563-1	SB-06-6-12"	Total/NA	Solid	Moisture	
480-206563-2	SB-06-4-5"	Total/NA	Solid	Moisture	
480-206563-3	SB-03-6-12"	Total/NA	Solid	Moisture	
480-206563-4	SB-03-7-8"	Total/NA	Solid	Moisture	
480-206563-5	SB-01-0-6"	Total/NA	Solid	Moisture	
480-206563-6	SB-01-2-3"	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-06-6-12"

Lab Sample ID: 480-206563-1

Date Collected: 03/01/23 08:30

Matrix: Solid

Date Received: 03/02/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	660342	KER	EET BUF	03/02/23 15:33

Client Sample ID: SB-06-6-12"

Lab Sample ID: 480-206563-1

Date Collected: 03/01/23 08:30

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			660647	VXF	EET BUF	03/07/23 06:59
Total/NA	Analysis	8270D		10	660819	JMM	EET BUF	03/08/23 17:18
Total/NA	Prep	3550C			660538	JMP	EET BUF	03/06/23 09:12
Total/NA	Analysis	8082A		1	660891	NC	EET BUF	03/08/23 23:09
Total/NA	Prep	3050B			660424	VAK	EET BUF	03/03/23 11:58
Total/NA	Analysis	6010C		1	660681	LMH	EET BUF	03/06/23 22:13
Total/NA	Prep	3050B			660424	VAK	EET BUF	03/03/23 11:58
Total/NA	Analysis	6010C		1	660847	LMH	EET BUF	03/07/23 15:27
Total/NA	Prep	3050B			660424	VAK	EET BUF	03/03/23 11:58
Total/NA	Analysis	6010C		5	660847	LMH	EET BUF	03/07/23 15:31
Total/NA	Prep	7471B			660966	VAK	EET BUF	03/09/23 10:31
Total/NA	Analysis	7471B		1	661106	LMH	EET BUF	03/09/23 13:25

Client Sample ID: SB-06-4-5"

Lab Sample ID: 480-206563-2

Date Collected: 03/01/23 08:45

Matrix: Solid

Date Received: 03/02/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	660342	KER	EET BUF	03/02/23 15:33

Client Sample ID: SB-06-4-5"

Lab Sample ID: 480-206563-2

Date Collected: 03/01/23 08:45

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 79.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			660357	CDC	EET BUF	03/02/23 11:00
Total/NA	Analysis	8260C		1	660358	CDC	EET BUF	03/03/23 04:52
Total/NA	Prep	3550C			660647	VXF	EET BUF	03/07/23 06:59
Total/NA	Analysis	8270D		10	660819	JMM	EET BUF	03/08/23 17:42
Total/NA	Prep	3050B			660424	VAK	EET BUF	03/03/23 11:58
Total/NA	Analysis	6010C		1	660681	LMH	EET BUF	03/06/23 22:17
Total/NA	Prep	7471B			660966	VAK	EET BUF	03/09/23 10:31
Total/NA	Analysis	7471B		1	661106	LMH	EET BUF	03/09/23 13:27

Lab Chronicle

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-03-6-12"

Lab Sample ID: 480-206563-3

Date Collected: 03/01/23 12:01

Matrix: Solid

Date Received: 03/02/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	660342	KER	EET BUF	03/02/23 15:33

Client Sample ID: SB-03-6-12"

Lab Sample ID: 480-206563-3

Date Collected: 03/01/23 12:01

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 81.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			660647	VXF	EET BUF	03/07/23 06:59
Total/NA	Analysis	8270D		10	660819	JMM	EET BUF	03/08/23 18:06
Total/NA	Prep	3550C			660538	JMP	EET BUF	03/06/23 09:12
Total/NA	Analysis	8082A		1	660891	NC	EET BUF	03/08/23 23:22
Total/NA	Prep	3050B			660424	VAK	EET BUF	03/03/23 11:58
Total/NA	Analysis	6010C		1	660681	LMH	EET BUF	03/06/23 22:32
Total/NA	Prep	7471B			660966	VAK	EET BUF	03/09/23 10:31
Total/NA	Analysis	7471B		1	661106	LMH	EET BUF	03/09/23 13:28

Client Sample ID: SB-03-7-8"

Lab Sample ID: 480-206563-4

Date Collected: 03/01/23 12:11

Matrix: Solid

Date Received: 03/02/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	660342	KER	EET BUF	03/02/23 15:33

Client Sample ID: SB-03-7-8"

Lab Sample ID: 480-206563-4

Date Collected: 03/01/23 12:11

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			660357	CDC	EET BUF	03/02/23 11:00
Total/NA	Analysis	8260C		1	660358	CDC	EET BUF	03/03/23 05:16
Total/NA	Prep	3550C			660647	VXF	EET BUF	03/07/23 06:59
Total/NA	Analysis	8270D		1	660819	JMM	EET BUF	03/08/23 18:30
Total/NA	Prep	3050B			660424	VAK	EET BUF	03/03/23 11:58
Total/NA	Analysis	6010C		1	660681	LMH	EET BUF	03/06/23 22:36
Total/NA	Prep	3050B			660424	VAK	EET BUF	03/03/23 11:58
Total/NA	Analysis	6010C		1	660847	LMH	EET BUF	03/07/23 15:35
Total/NA	Prep	7471B			660966	VAK	EET BUF	03/09/23 10:31
Total/NA	Analysis	7471B		1	661106	LMH	EET BUF	03/09/23 13:29

Client Sample ID: SB-01-0-6"

Lab Sample ID: 480-206563-5

Date Collected: 03/01/23 14:52

Matrix: Solid

Date Received: 03/02/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	660342	KER	EET BUF	03/02/23 15:33

Eurofins Buffalo

Lab Chronicle

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Client Sample ID: SB-01-0-6"

Lab Sample ID: 480-206563-5

Date Collected: 03/01/23 14:52

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 81.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			660647	VXF	EET BUF	03/07/23 06:59
Total/NA	Analysis	8270D		20	660819	JMM	EET BUF	03/08/23 18:54
Total/NA	Prep	3550C			660538	JMP	EET BUF	03/06/23 09:12
Total/NA	Analysis	8082A		1	660891	NC	EET BUF	03/08/23 23:35
Total/NA	Prep	3050B			660424	VAK	EET BUF	03/03/23 11:58
Total/NA	Analysis	6010C		1	660681	LMH	EET BUF	03/06/23 22:40
Total/NA	Prep	7471B			660966	VAK	EET BUF	03/09/23 10:31
Total/NA	Analysis	7471B		1	661106	LMH	EET BUF	03/09/23 13:31

Client Sample ID: SB-01-2-3"

Lab Sample ID: 480-206563-6

Date Collected: 03/01/23 15:00

Matrix: Solid

Date Received: 03/02/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	660342	KER	EET BUF	03/02/23 15:33

Client Sample ID: SB-01-2-3"

Lab Sample ID: 480-206563-6

Date Collected: 03/01/23 15:00

Matrix: Solid

Date Received: 03/02/23 09:50

Percent Solids: 72.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			660357	CDC	EET BUF	03/02/23 11:00
Total/NA	Analysis	8260C		1	660358	CDC	EET BUF	03/03/23 05:41
Total/NA	Prep	3550C			660647	VXF	EET BUF	03/07/23 06:59
Total/NA	Analysis	8270D		5	660819	JMM	EET BUF	03/08/23 19:18
Total/NA	Prep	3550C			660538	JMP	EET BUF	03/06/23 09:12
Total/NA	Analysis	8082A		1	660891	NC	EET BUF	03/08/23 23:49
Total/NA	Prep	3050B			660424	VAK	EET BUF	03/03/23 11:58
Total/NA	Analysis	6010C		1	660681	LMH	EET BUF	03/06/23 22:44
Total/NA	Prep	3050B			660424	VAK	EET BUF	03/03/23 11:58
Total/NA	Analysis	6010C		1	660847	LMH	EET BUF	03/07/23 15:39
Total/NA	Prep	7471B			660966	VAK	EET BUF	03/09/23 10:31
Total/NA	Analysis	7471B		1	661106	LMH	EET BUF	03/09/23 13:39

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_L	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206563-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-206563-1	SB-06-6-12"	Solid	03/01/23 08:30	03/02/23 09:50
480-206563-2	SB-06-4-5"	Solid	03/01/23 08:45	03/02/23 09:50
480-206563-3	SB-03-6-12"	Solid	03/01/23 12:01	03/02/23 09:50
480-206563-4	SB-03-7-8"	Solid	03/01/23 12:11	03/02/23 09:50
480-206563-5	SB-01-0-6"	Solid	03/01/23 14:52	03/02/23 09:50
480-206563-6	SB-01-2-3"	Solid	03/01/23 15:00	03/02/23 09:50

Syracuse
#225

Environment Testing

[illegible]

Login Sample Receipt Checklist

Client: Asbestos & Environmental Consulting Corp

Job Number: 480-206563-1

Login Number: 206563

List Source: Eurofins Buffalo

List Number: 1

Creator: Sabuda, Brendan D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	TERRACORES FROZEN @ 1100 3/2/23
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. George Fischer
Asbestos & Environmental Consulting Corp
6308 Fly Road
East Syracuse, New York 13057

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JOB DESCRIPTION

JP O'Brien - Utica, NY - Phase II ESA

JOB NUMBER

480-206629-1

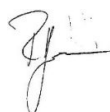
Eurofins Buffalo

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Buffalo and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Buffalo Project Manager or designee who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Definitions/Glossary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Definitions/Glossary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Case Narrative

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Job ID: 480-206629-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative 480-206629-1

Comments

No additional comments.

Receipt

The samples were received on 3/3/2023 11:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.4° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The following samples were diluted due to color, appearance, and viscosity: SB-02-0-6 (480-206629-1), SB-04-6-12 (480-206629-3), SB-04-8-10 (480-206629-4), SB-05-6-12 (480-206629-5), SB-05-5-6 (480-206629-6), (480-206629-B-6-A MS) and (480-206629-B-6-B MSD). Elevated reporting limits (RL) are provided.

Method 8270D: The following samples required a dilution due to the nature of the sample matrix: SB-05-6-12 (480-206629-5) and SB-05-5-6 (480-206629-6). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8270D: The following samples were diluted due to the nature of the sample matrix: (480-206629-B-6-A MS) and (480-206629-B-6-B MSD). Because of this dilution, the surrogate spike and matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8082A: The following sample was diluted due to the nature of the sample matrix: SB-05-6-12 (480-206629-5). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010C: The following sample was diluted due to the presence of Total Calcium which interferes with Copper: SB-05-6-12 (480-206629-5). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method 3550C: Due to the matrix, the following sample could not be concentrated to the final method required volume: SB-05-6-12 (480-206629-5). The reporting limits (RLs) are elevated proportionately.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-02-0-6

Lab Sample ID: 480-206629-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acenaphthene	490	J	2000	290	ug/Kg	10	✱		8270D	Total/NA
Acenaphthylene	1200	J	2000	260	ug/Kg	10	✱		8270D	Total/NA
Anthracene	1300	J	2000	490	ug/Kg	10	✱		8270D	Total/NA
Benzo[a]anthracene	6200		2000	200	ug/Kg	10	✱		8270D	Total/NA
Benzo[a]pyrene	8100		2000	290	ug/Kg	10	✱		8270D	Total/NA
Benzo[b]fluoranthene	8200		2000	310	ug/Kg	10	✱		8270D	Total/NA
Benzo[g,h,i]perylene	5400		2000	210	ug/Kg	10	✱		8270D	Total/NA
Benzo[k]fluoranthene	4200		2000	260	ug/Kg	10	✱		8270D	Total/NA
Carbazole	510	J	2000	230	ug/Kg	10	✱		8270D	Total/NA
Chrysene	5500		2000	440	ug/Kg	10	✱		8270D	Total/NA
Dibenz(a,h)anthracene	1200	J	2000	350	ug/Kg	10	✱		8270D	Total/NA
Dibenzofuran	410	J	2000	230	ug/Kg	10	✱		8270D	Total/NA
Fluoranthene	11000		2000	210	ug/Kg	10	✱		8270D	Total/NA
Fluorene	550	J	2000	230	ug/Kg	10	✱		8270D	Total/NA
Indeno[1,2,3-cd]pyrene	4700		2000	240	ug/Kg	10	✱		8270D	Total/NA
Naphthalene	370	J	2000	260	ug/Kg	10	✱		8270D	Total/NA
Phenanthrene	5000		2000	290	ug/Kg	10	✱		8270D	Total/NA
Pyrene	11000		2000	230	ug/Kg	10	✱		8270D	Total/NA
Aluminum	12200		11.7	5.2	mg/Kg	1	✱		6010C	Total/NA
Antimony	3.9	J	17.6	0.47	mg/Kg	1	✱		6010C	Total/NA
Arsenic	19.2		2.3	0.47	mg/Kg	1	✱		6010C	Total/NA
Barium	1050		0.59	0.13	mg/Kg	1	✱		6010C	Total/NA
Beryllium	0.62		0.23	0.033	mg/Kg	1	✱		6010C	Total/NA
Cadmium	0.27		0.23	0.035	mg/Kg	1	✱		6010C	Total/NA
Calcium	6610	B	58.7	3.9	mg/Kg	1	✱		6010C	Total/NA
Chromium	22.3		0.59	0.23	mg/Kg	1	✱		6010C	Total/NA
Cobalt	12.1		0.59	0.059	mg/Kg	1	✱		6010C	Total/NA
Copper	48.8	B	1.2	0.25	mg/Kg	1	✱		6010C	Total/NA
Iron	47300		11.7	4.1	mg/Kg	1	✱		6010C	Total/NA
Lead	4710		1.2	0.28	mg/Kg	1	✱		6010C	Total/NA
Magnesium	3000		23.5	1.1	mg/Kg	1	✱		6010C	Total/NA
Manganese	2330	B	0.23	0.038	mg/Kg	1	✱		6010C	Total/NA
Nickel	28.1		5.9	0.27	mg/Kg	1	✱		6010C	Total/NA
Potassium	1990		35.2	23.5	mg/Kg	1	✱		6010C	Total/NA
Selenium	1.5	J	4.7	0.47	mg/Kg	1	✱		6010C	Total/NA
Silver	0.71		0.70	0.23	mg/Kg	1	✱		6010C	Total/NA
Sodium	117	J	164	15.3	mg/Kg	1	✱		6010C	Total/NA
Vanadium	39.4		0.59	0.13	mg/Kg	1	✱		6010C	Total/NA
Zinc	190		2.3	0.75	mg/Kg	1	✱		6010C	Total/NA
Mercury	2.9		0.12	0.027	mg/Kg	5	✱		7471B	Total/NA

Client Sample ID: SB-02-5-6

Lab Sample ID: 480-206629-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acetone	15	J	27	4.5	ug/Kg	1	✱		8260C	Total/NA
Acenaphthene	46	J	210	32	ug/Kg	1	✱		8270D	Total/NA
Acenaphthylene	140	J	210	28	ug/Kg	1	✱		8270D	Total/NA
Anthracene	140	J	210	53	ug/Kg	1	✱		8270D	Total/NA
Benzo[a]anthracene	920		210	21	ug/Kg	1	✱		8270D	Total/NA
Benzo[a]pyrene	1100		210	32	ug/Kg	1	✱		8270D	Total/NA
Benzo[b]fluoranthene	1100		210	34	ug/Kg	1	✱		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-02-5-6 (Continued)

Lab Sample ID: 480-206629-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[g,h,i]perylene	810		210	23	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene	640		210	28	ug/Kg	1	✱	8270D	Total/NA
Carbazole	56	J	210	25	ug/Kg	1	✱	8270D	Total/NA
Chrysene	860		210	48	ug/Kg	1	✱	8270D	Total/NA
Dibenz(a,h)anthracene	200	J	210	38	ug/Kg	1	✱	8270D	Total/NA
Dibenzofuran	35	J	210	25	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	1600		210	23	ug/Kg	1	✱	8270D	Total/NA
Fluorene	49	J	210	25	ug/Kg	1	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	720		210	26	ug/Kg	1	✱	8270D	Total/NA
Naphthalene	48	J	210	28	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene	540		210	32	ug/Kg	1	✱	8270D	Total/NA
Pyrene	1700		210	25	ug/Kg	1	✱	8270D	Total/NA
Aluminum	13200		12.0	5.3	mg/Kg	1	✱	6010C	Total/NA
Antimony	13.2	J	18.0	0.48	mg/Kg	1	✱	6010C	Total/NA
Arsenic	11.7		2.4	0.48	mg/Kg	1	✱	6010C	Total/NA
Barium	224		0.60	0.13	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.62		0.24	0.034	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.16	J	0.24	0.036	mg/Kg	1	✱	6010C	Total/NA
Calcium	11600	B	60.1	4.0	mg/Kg	1	✱	6010C	Total/NA
Chromium	19.8		0.60	0.24	mg/Kg	1	✱	6010C	Total/NA
Cobalt	9.8		0.60	0.060	mg/Kg	1	✱	6010C	Total/NA
Copper	45.1	B	1.2	0.25	mg/Kg	1	✱	6010C	Total/NA
Iron	24800		12.0	4.2	mg/Kg	1	✱	6010C	Total/NA
Lead	713		1.2	0.29	mg/Kg	1	✱	6010C	Total/NA
Magnesium	5320		24.0	1.1	mg/Kg	1	✱	6010C	Total/NA
Manganese	1580	B	0.24	0.038	mg/Kg	1	✱	6010C	Total/NA
Nickel	22.9		6.0	0.28	mg/Kg	1	✱	6010C	Total/NA
Potassium	2700		36.0	24.0	mg/Kg	1	✱	6010C	Total/NA
Selenium	1.2	J	4.8	0.48	mg/Kg	1	✱	6010C	Total/NA
Silver	0.53	J	0.72	0.24	mg/Kg	1	✱	6010C	Total/NA
Sodium	119	J	168	15.6	mg/Kg	1	✱	6010C	Total/NA
Vanadium	29.2		0.60	0.13	mg/Kg	1	✱	6010C	Total/NA
Zinc	133		2.4	0.77	mg/Kg	1	✱	6010C	Total/NA
Mercury	1.0		0.025	0.0057	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: SB-04-6-12

Lab Sample ID: 480-206629-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	12600		11.4	5.0	mg/Kg	1	✱	6010C	Total/NA
Antimony	0.57	J	17.1	0.46	mg/Kg	1	✱	6010C	Total/NA
Arsenic	8.3		2.3	0.46	mg/Kg	1	✱	6010C	Total/NA
Barium	57.7		0.57	0.13	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.64		0.23	0.032	mg/Kg	1	✱	6010C	Total/NA
Calcium	64700	B	57.0	3.8	mg/Kg	1	✱	6010C	Total/NA
Chromium	16.3		0.57	0.23	mg/Kg	1	✱	6010C	Total/NA
Cobalt	9.4		0.57	0.057	mg/Kg	1	✱	6010C	Total/NA
Copper	33.5	B	1.1	0.24	mg/Kg	1	✱	6010C	Total/NA
Iron	21000		11.4	4.0	mg/Kg	1	✱	6010C	Total/NA
Lead	24.8		1.1	0.27	mg/Kg	1	✱	6010C	Total/NA
Magnesium	15000		22.8	1.1	mg/Kg	1	✱	6010C	Total/NA
Manganese	570	B	0.23	0.036	mg/Kg	1	✱	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-04-6-12 (Continued)

Lab Sample ID: 480-206629-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Nickel	25.0		5.7	0.26	mg/Kg	1		✱	6010C	Total/NA
Potassium	3620		34.2	22.8	mg/Kg	1		✱	6010C	Total/NA
Sodium	150	J	159	14.8	mg/Kg	1		✱	6010C	Total/NA
Vanadium	26.9		0.57	0.13	mg/Kg	1		✱	6010C	Total/NA
Zinc	71.2		2.3	0.73	mg/Kg	1		✱	6010C	Total/NA
Mercury	0.045		0.022	0.0050	mg/Kg	1		✱	7471B	Total/NA

Client Sample ID: SB-04-8-10

Lab Sample ID: 480-206629-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acetone	6.9	J	37	6.2	ug/Kg	1		✱	8260C	Total/NA
Chloroform	2.3	J B	7.4	0.45	ug/Kg	1		✱	8260C	Total/NA
Benzo[a]anthracene	420	J	2000	200	ug/Kg	10		✱	8270D	Total/NA
Benzo[a]pyrene	450	J	2000	290	ug/Kg	10		✱	8270D	Total/NA
Benzo[b]fluoranthene	510	J	2000	310	ug/Kg	10		✱	8270D	Total/NA
Benzo[g,h,i]perylene	350	J	2000	210	ug/Kg	10		✱	8270D	Total/NA
Fluoranthene	810	J	2000	210	ug/Kg	10		✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	280	J	2000	240	ug/Kg	10		✱	8270D	Total/NA
Phenanthrene	530	J	2000	290	ug/Kg	10		✱	8270D	Total/NA
Pyrene	710	J	2000	230	ug/Kg	10		✱	8270D	Total/NA
Aluminum	11300		11.7	5.2	mg/Kg	1		✱	6010C	Total/NA
Antimony	0.98	J	17.6	0.47	mg/Kg	1		✱	6010C	Total/NA
Arsenic	3.7		2.3	0.47	mg/Kg	1		✱	6010C	Total/NA
Barium	105		0.59	0.13	mg/Kg	1		✱	6010C	Total/NA
Beryllium	0.33		0.23	0.033	mg/Kg	1		✱	6010C	Total/NA
Cadmium	0.25		0.23	0.035	mg/Kg	1		✱	6010C	Total/NA
Calcium	67600	B	58.7	3.9	mg/Kg	1		✱	6010C	Total/NA
Chromium	16.4		0.59	0.23	mg/Kg	1		✱	6010C	Total/NA
Cobalt	6.3		0.59	0.059	mg/Kg	1		✱	6010C	Total/NA
Copper	35.5	B	1.2	0.25	mg/Kg	1		✱	6010C	Total/NA
Iron	25700		11.7	4.1	mg/Kg	1		✱	6010C	Total/NA
Lead	76.8		1.2	0.28	mg/Kg	1		✱	6010C	Total/NA
Magnesium	15300		23.5	1.1	mg/Kg	1		✱	6010C	Total/NA
Manganese	421	B	0.23	0.038	mg/Kg	1		✱	6010C	Total/NA
Nickel	20.1		5.9	0.27	mg/Kg	1		✱	6010C	Total/NA
Potassium	1570		35.2	23.5	mg/Kg	1		✱	6010C	Total/NA
Sodium	133	J	164	15.3	mg/Kg	1		✱	6010C	Total/NA
Vanadium	33.7		0.59	0.13	mg/Kg	1		✱	6010C	Total/NA
Zinc	120		2.3	0.75	mg/Kg	1		✱	6010C	Total/NA
Mercury	0.092		0.023	0.0054	mg/Kg	1		✱	7471B	Total/NA

Client Sample ID: SB-05-6-12

Lab Sample ID: 480-206629-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acenaphthylene	32000		18000	2300	ug/Kg	10		✱	8270D	Total/NA
Anthracene	16000	J	18000	4400	ug/Kg	10		✱	8270D	Total/NA
Benzo[a]anthracene	63000		18000	1800	ug/Kg	10		✱	8270D	Total/NA
Benzo[a]pyrene	76000		18000	2600	ug/Kg	10		✱	8270D	Total/NA
Benzo[b]fluoranthene	81000		18000	2800	ug/Kg	10		✱	8270D	Total/NA
Benzo[g,h,i]perylene	39000		18000	1900	ug/Kg	10		✱	8270D	Total/NA
Benzo[k]fluoranthene	44000		18000	2300	ug/Kg	10		✱	8270D	Total/NA
Chrysene	59000		18000	4000	ug/Kg	10		✱	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-05-6-12 (Continued)

Lab Sample ID: 480-206629-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dibenz(a,h)anthracene	10000	J	18000	3100	ug/Kg	10	✱	8270D	Total/NA
Dibenzofuran	3500	J	18000	2100	ug/Kg	10	✱	8270D	Total/NA
Fluoranthene	180000		18000	1900	ug/Kg	10	✱	8270D	Total/NA
Fluorene	7900	J	18000	2100	ug/Kg	10	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	38000		18000	2200	ug/Kg	10	✱	8270D	Total/NA
Naphthalene	4600	J	18000	2300	ug/Kg	10	✱	8270D	Total/NA
Phenanthrene	40000		18000	2600	ug/Kg	10	✱	8270D	Total/NA
Pyrene	130000		18000	2100	ug/Kg	10	✱	8270D	Total/NA
Aluminum	2050		10.2	4.5	mg/Kg	1	✱	6010C	Total/NA
Arsenic	3.3		2.0	0.41	mg/Kg	1	✱	6010C	Total/NA
Barium	17.3		0.51	0.11	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.17	J	0.20	0.029	mg/Kg	1	✱	6010C	Total/NA
Calcium	296000	B	255	16.8	mg/Kg	5	✱	6010C	Total/NA
Chromium	10.9		0.51	0.20	mg/Kg	1	✱	6010C	Total/NA
Cobalt	1.7		0.51	0.051	mg/Kg	1	✱	6010C	Total/NA
Copper	6.6	B	5.1	1.1	mg/Kg	5	✱	6010C	Total/NA
Iron	4420		10.2	3.6	mg/Kg	1	✱	6010C	Total/NA
Lead	8.6		1.0	0.24	mg/Kg	1	✱	6010C	Total/NA
Magnesium	6120		20.4	0.94	mg/Kg	1	✱	6010C	Total/NA
Manganese	246	B	0.20	0.033	mg/Kg	1	✱	6010C	Total/NA
Nickel	7.0		5.1	0.23	mg/Kg	1	✱	6010C	Total/NA
Potassium	841		30.6	20.4	mg/Kg	1	✱	6010C	Total/NA
Sodium	166		143	13.2	mg/Kg	1	✱	6010C	Total/NA
Vanadium	28.5		0.51	0.11	mg/Kg	1	✱	6010C	Total/NA
Zinc	37.4		2.0	0.65	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.011	J	0.021	0.0048	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: SB-05-5-6

Lab Sample ID: 480-206629-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	880	J	3900	500	ug/Kg	20	✱	8270D	Total/NA
Benzo[a]anthracene	2400	J F1 F2	3900	390	ug/Kg	20	✱	8270D	Total/NA
Benzo[a]pyrene	3000	J F1 F2	3900	570	ug/Kg	20	✱	8270D	Total/NA
Benzo[b]fluoranthene	3500	J F2	3900	620	ug/Kg	20	✱	8270D	Total/NA
Benzo[g,h,i]perylene	1900	J F2	3900	410	ug/Kg	20	✱	8270D	Total/NA
Benzo[k]fluoranthene	1700	J	3900	500	ug/Kg	20	✱	8270D	Total/NA
Chrysene	2400	J F1 F2	3900	870	ug/Kg	20	✱	8270D	Total/NA
Fluoranthene	6200	F1 F2	3900	410	ug/Kg	20	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1700	J	3900	480	ug/Kg	20	✱	8270D	Total/NA
Phenanthrene	2200	J F1 F2	3900	570	ug/Kg	20	✱	8270D	Total/NA
Pyrene	4800	F1	3900	460	ug/Kg	20	✱	8270D	Total/NA
Aluminum	7940		11.3	5.0	mg/Kg	1	✱	6010C	Total/NA
Antimony	0.59	J	16.9	0.45	mg/Kg	1	✱	6010C	Total/NA
Arsenic	8.1		2.3	0.45	mg/Kg	1	✱	6010C	Total/NA
Barium	46.2		0.56	0.12	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.37		0.23	0.032	mg/Kg	1	✱	6010C	Total/NA
Calcium	80400	B	56.4	3.7	mg/Kg	1	✱	6010C	Total/NA
Chromium	11.6		0.56	0.23	mg/Kg	1	✱	6010C	Total/NA
Cobalt	4.8		0.56	0.056	mg/Kg	1	✱	6010C	Total/NA
Copper	21.9	B	1.1	0.24	mg/Kg	1	✱	6010C	Total/NA
Iron	18600		11.3	3.9	mg/Kg	1	✱	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-05-5-6 (Continued)

Lab Sample ID: 480-206629-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	22.4		1.1	0.27	mg/Kg	1	✳	6010C	Total/NA
Magnesium	8640		22.5	1.0	mg/Kg	1	✳	6010C	Total/NA
Manganese	356	B	0.23	0.036	mg/Kg	1	✳	6010C	Total/NA
Nickel	11.4		5.6	0.26	mg/Kg	1	✳	6010C	Total/NA
Potassium	1960		33.8	22.5	mg/Kg	1	✳	6010C	Total/NA
Sodium	168		158	14.7	mg/Kg	1	✳	6010C	Total/NA
Vanadium	16.7		0.56	0.12	mg/Kg	1	✳	6010C	Total/NA
Zinc	49.6		2.3	0.72	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.058		0.022	0.0051	mg/Kg	1	✳	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-02-0-6

Lab Sample ID: 480-206629-1

Date Collected: 03/02/23 08:45

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 85.0

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2000	290	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
bis (2-chloroisopropyl) ether	ND		2000	400	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
2,4,5-Trichlorophenol	ND		2000	540	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
2,4,6-Trichlorophenol	ND		2000	400	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
2,4-Dichlorophenol	ND		2000	210	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
2,4-Dimethylphenol	ND		2000	480	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
2,4-Dinitrophenol	ND		19000	9100	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
2,4-Dinitrotoluene	ND		2000	410	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
2,6-Dinitrotoluene	ND		2000	230	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
2-Chloronaphthalene	ND		2000	330	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
2-Chlorophenol	ND		3800	360	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
2-Methylphenol	ND		2000	230	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
2-Methylnaphthalene	ND		2000	400	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
2-Nitroaniline	ND		3800	290	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
2-Nitrophenol	ND		2000	560	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
3,3'-Dichlorobenzidine	ND		3800	2300	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
3-Nitroaniline	ND		3800	550	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
4,6-Dinitro-2-methylphenol	ND		3800	2000	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
4-Bromophenyl phenyl ether	ND		2000	280	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
4-Chloro-3-methylphenol	ND		2000	490	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
4-Chloroaniline	ND		2000	490	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
4-Chlorophenyl phenyl ether	ND		2000	240	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
4-Methylphenol	ND		3800	230	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
4-Nitroaniline	ND		3800	1000	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
4-Nitrophenol	ND		3800	1400	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
Acenaphthene	490 J		2000	290	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
Acenaphthylene	1200 J		2000	260	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
Acetophenone	ND		2000	270	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
Anthracene	1300 J		2000	490	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
Atrazine	ND		2000	690	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
Benzaldehyde	ND		2000	1600	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
Benzo[a]anthracene	6200		2000	200	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
Benzo[a]pyrene	8100		2000	290	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
Benzo[b]fluoranthene	8200		2000	310	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
Benzo[g,h,i]perylene	5400		2000	210	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
Benzo[k]fluoranthene	4200		2000	260	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
Bis(2-chloroethoxy)methane	ND		2000	420	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
Bis(2-chloroethyl)ether	ND		2000	260	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
Bis(2-ethylhexyl) phthalate	ND		2000	680	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
Butyl benzyl phthalate	ND		2000	330	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
Caprolactam	ND		2000	590	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
Carbazole	510 J		2000	230	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
Chrysene	5500		2000	440	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
Dibenz(a,h)anthracene	1200 J		2000	350	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
Di-n-butyl phthalate	ND		2000	340	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
Di-n-octyl phthalate	ND		2000	230	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
Dibenzofuran	410 J		2000	230	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
Diethyl phthalate	ND		2000	260	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10
Dimethyl phthalate	ND		2000	230	ug/Kg	☆	03/07/23 06:59	03/08/23 13:41	10

Eurofins Buffalo

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-02-0-6

Lab Sample ID: 480-206629-1

Date Collected: 03/02/23 08:45

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 85.0

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	11000		2000	210	ug/Kg	✱	03/07/23 06:59	03/08/23 13:41	10
Fluorene	550	J	2000	230	ug/Kg	✱	03/07/23 06:59	03/08/23 13:41	10
Hexachlorobenzene	ND		2000	270	ug/Kg	✱	03/07/23 06:59	03/08/23 13:41	10
Hexachlorobutadiene	ND		2000	290	ug/Kg	✱	03/07/23 06:59	03/08/23 13:41	10
Hexachlorocyclopentadiene	ND		2000	270	ug/Kg	✱	03/07/23 06:59	03/08/23 13:41	10
Hexachloroethane	ND		2000	260	ug/Kg	✱	03/07/23 06:59	03/08/23 13:41	10
Indeno[1,2,3-cd]pyrene	4700		2000	240	ug/Kg	✱	03/07/23 06:59	03/08/23 13:41	10
Isophorone	ND		2000	420	ug/Kg	✱	03/07/23 06:59	03/08/23 13:41	10
N-Nitrosodi-n-propylamine	ND		2000	340	ug/Kg	✱	03/07/23 06:59	03/08/23 13:41	10
N-Nitrosodiphenylamine	ND		2000	1600	ug/Kg	✱	03/07/23 06:59	03/08/23 13:41	10
Naphthalene	370	J	2000	260	ug/Kg	✱	03/07/23 06:59	03/08/23 13:41	10
Nitrobenzene	ND		2000	220	ug/Kg	✱	03/07/23 06:59	03/08/23 13:41	10
Pentachlorophenol	ND		3800	2000	ug/Kg	✱	03/07/23 06:59	03/08/23 13:41	10
Phenanthrene	5000		2000	290	ug/Kg	✱	03/07/23 06:59	03/08/23 13:41	10
Phenol	ND		2000	300	ug/Kg	✱	03/07/23 06:59	03/08/23 13:41	10
Pyrene	11000		2000	230	ug/Kg	✱	03/07/23 06:59	03/08/23 13:41	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	76		53 - 120	03/07/23 06:59	03/08/23 13:41	10
Phenol-d5 (Surr)	83		54 - 120	03/07/23 06:59	03/08/23 13:41	10
p-Terphenyl-d14 (Surr)	94		79 - 130	03/07/23 06:59	03/08/23 13:41	10
2,4,6-Tribromophenol (Surr)	67		54 - 120	03/07/23 06:59	03/08/23 13:41	10
2-Fluorobiphenyl (Surr)	88		60 - 120	03/07/23 06:59	03/08/23 13:41	10
2-Fluorophenol (Surr)	76		52 - 120	03/07/23 06:59	03/08/23 13:41	10

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.29	0.056	mg/Kg	✱	03/06/23 09:12	03/09/23 00:29	1
PCB-1221	ND		0.29	0.056	mg/Kg	✱	03/06/23 09:12	03/09/23 00:29	1
PCB-1232	ND		0.29	0.056	mg/Kg	✱	03/06/23 09:12	03/09/23 00:29	1
PCB-1242	ND		0.29	0.056	mg/Kg	✱	03/06/23 09:12	03/09/23 00:29	1
PCB-1248	ND		0.29	0.056	mg/Kg	✱	03/06/23 09:12	03/09/23 00:29	1
PCB-1254	ND		0.29	0.13	mg/Kg	✱	03/06/23 09:12	03/09/23 00:29	1
PCB-1260	ND		0.29	0.13	mg/Kg	✱	03/06/23 09:12	03/09/23 00:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	121		60 - 154	03/06/23 09:12	03/09/23 00:29	1
Tetrachloro-m-xylene	132		60 - 154	03/06/23 09:12	03/09/23 00:29	1
DCB Decachlorobiphenyl	107		65 - 174	03/06/23 09:12	03/09/23 00:29	1
DCB Decachlorobiphenyl	87		65 - 174	03/06/23 09:12	03/09/23 00:29	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12200		11.7	5.2	mg/Kg	✱	03/07/23 11:28	03/09/23 17:50	1
Antimony	3.9	J	17.6	0.47	mg/Kg	✱	03/07/23 11:28	03/09/23 17:50	1
Arsenic	19.2		2.3	0.47	mg/Kg	✱	03/07/23 11:28	03/09/23 17:50	1
Barium	1050		0.59	0.13	mg/Kg	✱	03/07/23 11:28	03/09/23 17:50	1
Beryllium	0.62		0.23	0.033	mg/Kg	✱	03/07/23 11:28	03/09/23 17:50	1
Cadmium	0.27		0.23	0.035	mg/Kg	✱	03/07/23 11:28	03/09/23 17:50	1
Calcium	6610	B	58.7	3.9	mg/Kg	✱	03/07/23 11:28	03/10/23 15:32	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-02-0-6

Lab Sample ID: 480-206629-1

Date Collected: 03/02/23 08:45

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 85.0

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	22.3		0.59	0.23	mg/Kg	✱	03/07/23 11:28	03/10/23 15:32	1
Cobalt	12.1		0.59	0.059	mg/Kg	✱	03/07/23 11:28	03/09/23 17:50	1
Copper	48.8	B	1.2	0.25	mg/Kg	✱	03/07/23 11:28	03/09/23 17:50	1
Iron	47300		11.7	4.1	mg/Kg	✱	03/07/23 11:28	03/10/23 15:32	1
Lead	4710		1.2	0.28	mg/Kg	✱	03/07/23 11:28	03/09/23 17:50	1
Magnesium	3000		23.5	1.1	mg/Kg	✱	03/07/23 11:28	03/09/23 17:50	1
Manganese	2330	B	0.23	0.038	mg/Kg	✱	03/07/23 11:28	03/10/23 15:32	1
Nickel	28.1		5.9	0.27	mg/Kg	✱	03/07/23 11:28	03/09/23 17:50	1
Potassium	1990		35.2	23.5	mg/Kg	✱	03/07/23 11:28	03/09/23 17:50	1
Selenium	1.5	J	4.7	0.47	mg/Kg	✱	03/07/23 11:28	03/09/23 17:50	1
Silver	0.71		0.70	0.23	mg/Kg	✱	03/07/23 11:28	03/09/23 17:50	1
Sodium	117	J	164	15.3	mg/Kg	✱	03/07/23 11:28	03/09/23 17:50	1
Thallium	ND		7.0	0.35	mg/Kg	✱	03/07/23 11:28	03/09/23 17:50	1
Vanadium	39.4		0.59	0.13	mg/Kg	✱	03/07/23 11:28	03/09/23 17:50	1
Zinc	190		2.3	0.75	mg/Kg	✱	03/07/23 11:28	03/09/23 17:50	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.9		0.12	0.027	mg/Kg	✱	03/09/23 10:31	03/09/23 14:27	5

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-02-5-6

Lab Sample ID: 480-206629-2

Date Collected: 03/02/23 08:52

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 79.3

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.3	0.39	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
1,1,2,2-Tetrachloroethane	ND		5.3	0.87	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
1,1,2-Trichloroethane	ND		5.3	0.69	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
1,1-Dichloroethane	ND		5.3	0.65	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
1,1-Dichloroethene	ND		5.3	0.65	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
1,2,4-Trichlorobenzene	ND		5.3	0.32	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
1,2-Dibromo-3-Chloropropane	ND		5.3	2.7	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
1,2-Dibromoethane	ND		5.3	0.69	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
1,2-Dichlorobenzene	ND		5.3	0.42	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
1,2-Dichloroethane	ND		5.3	0.27	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
1,2-Dichloropropane	ND		5.3	2.7	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
1,3-Dichlorobenzene	ND		5.3	0.27	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
1,4-Dichlorobenzene	ND		5.3	0.75	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
2-Butanone (MEK)	ND		27	2.0	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
2-Hexanone	ND		27	2.7	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.8	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Acetone	15 J		27	4.5	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Benzene	ND		5.3	0.26	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Bromodichloromethane	ND		5.3	0.72	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Bromoform	ND		5.3	2.7	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Bromomethane	ND		5.3	0.48	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Carbon disulfide	ND		5.3	2.7	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Carbon tetrachloride	ND		5.3	0.52	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Chlorobenzene	ND		5.3	0.70	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Chloroethane	ND		5.3	1.2	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Chloroform	ND		5.3	0.33	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Chloromethane	ND		5.3	0.32	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
cis-1,2-Dichloroethene	ND		5.3	0.68	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
cis-1,3-Dichloropropene	ND		5.3	0.77	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Cyclohexane	ND		5.3	0.75	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Dibromochloromethane	ND		5.3	0.68	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Dichlorodifluoromethane	ND		5.3	0.44	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Ethylbenzene	ND		5.3	0.37	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Isopropylbenzene	ND		5.3	0.80	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Methyl acetate	ND		27	3.2	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Methyl tert-butyl ether	ND		5.3	0.52	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Methylcyclohexane	ND		5.3	0.81	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Methylene Chloride	ND		5.3	2.5	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Styrene	ND		5.3	0.27	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Tetrachloroethene	ND		5.3	0.72	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Toluene	ND		5.3	0.40	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
trans-1,2-Dichloroethene	ND		5.3	0.55	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
trans-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Trichloroethene	ND		5.3	1.2	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Trichlorofluoromethane	ND		5.3	0.50	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Vinyl chloride	ND		5.3	0.65	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1
Xylenes, Total	ND		11	0.90	ug/Kg	☆	03/03/23 13:00	03/06/23 19:52	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-02-5-6

Lab Sample ID: 480-206629-2

Date Collected: 03/02/23 08:52

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 79.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		64 - 126	03/03/23 13:00	03/06/23 19:52	1
4-Bromofluorobenzene (Surr)	99		72 - 126	03/03/23 13:00	03/06/23 19:52	1
Dibromofluoromethane (Surr)	106		60 - 140	03/03/23 13:00	03/06/23 19:52	1
Toluene-d8 (Surr)	101		71 - 125	03/03/23 13:00	03/06/23 19:52	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		210	32	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
bis (2-chloroisopropyl) ether	ND		210	43	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
2,4,5-Trichlorophenol	ND		210	58	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
2,4,6-Trichlorophenol	ND		210	43	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
2,4-Dichlorophenol	ND		210	23	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
2,4-Dimethylphenol	ND		210	52	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
2,4-Dinitrophenol	ND		2100	990	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
2,4-Dinitrotoluene	ND		210	44	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
2,6-Dinitrotoluene	ND		210	25	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
2-Chloronaphthalene	ND		210	35	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
2-Chlorophenol	ND		420	39	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
2-Methylphenol	ND		210	25	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
2-Methylnaphthalene	ND		210	43	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
2-Nitroaniline	ND		420	32	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
2-Nitrophenol	ND		210	61	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
3,3'-Dichlorobenzidine	ND		420	250	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
3-Nitroaniline	ND		420	59	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
4,6-Dinitro-2-methylphenol	ND		420	210	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
4-Bromophenyl phenyl ether	ND		210	30	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
4-Chloro-3-methylphenol	ND		210	53	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
4-Chloroaniline	ND		210	53	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
4-Chlorophenyl phenyl ether	ND		210	26	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
4-Methylphenol	ND		420	25	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
4-Nitroaniline	ND		420	110	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
4-Nitrophenol	ND		420	150	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Acenaphthene	46	J	210	32	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Acenaphthylene	140	J	210	28	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Acetophenone	ND		210	29	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Anthracene	140	J	210	53	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Atrazine	ND		210	74	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Benzaldehyde	ND		210	170	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Benzo[a]anthracene	920		210	21	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Benzo[a]pyrene	1100		210	32	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Benzo[b]fluoranthene	1100		210	34	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Benzo[g,h,i]perylene	810		210	23	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Benzo[k]fluoranthene	640		210	28	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Bis(2-chloroethoxy)methane	ND		210	45	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Bis(2-chloroethyl)ether	ND		210	28	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Bis(2-ethylhexyl) phthalate	ND		210	73	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Butyl benzyl phthalate	ND		210	35	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Caprolactam	ND		210	64	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Carbazole	56	J	210	25	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Chrysene	860		210	48	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-02-5-6

Lab Sample ID: 480-206629-2

Date Collected: 03/02/23 08:52

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 79.3

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	200	J	210	38	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Di-n-butyl phthalate	ND		210	37	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Di-n-octyl phthalate	ND		210	25	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Dibenzofuran	35	J	210	25	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Diethyl phthalate	ND		210	28	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Dimethyl phthalate	ND		210	25	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Fluoranthene	1600		210	23	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Fluorene	49	J	210	25	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Hexachlorobenzene	ND		210	29	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Hexachlorobutadiene	ND		210	32	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Hexachlorocyclopentadiene	ND		210	29	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Hexachloroethane	ND		210	28	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Indeno[1,2,3-cd]pyrene	720		210	26	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Isophorone	ND		210	45	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
N-Nitrosodi-n-propylamine	ND		210	37	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
N-Nitrosodiphenylamine	ND		210	170	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Naphthalene	48	J	210	28	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Nitrobenzene	ND		210	24	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Pentachlorophenol	ND		420	210	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Phenanthrene	540		210	32	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Phenol	ND		210	33	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1
Pyrene	1700		210	25	ug/Kg	☆	03/07/23 06:59	03/08/23 14:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	77		53 - 120	03/07/23 06:59	03/08/23 14:05	1
Phenol-d5 (Surr)	81		54 - 120	03/07/23 06:59	03/08/23 14:05	1
p-Terphenyl-d14 (Surr)	88		79 - 130	03/07/23 06:59	03/08/23 14:05	1
2,4,6-Tribromophenol (Surr)	75		54 - 120	03/07/23 06:59	03/08/23 14:05	1
2-Fluorobiphenyl (Surr)	83		60 - 120	03/07/23 06:59	03/08/23 14:05	1
2-Fluorophenol (Surr)	75		52 - 120	03/07/23 06:59	03/08/23 14:05	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13200		12.0	5.3	mg/Kg	☆	03/07/23 11:28	03/09/23 17:54	1
Antimony	13.2	J	18.0	0.48	mg/Kg	☆	03/07/23 11:28	03/09/23 17:54	1
Arsenic	11.7		2.4	0.48	mg/Kg	☆	03/07/23 11:28	03/09/23 17:54	1
Barium	224		0.60	0.13	mg/Kg	☆	03/07/23 11:28	03/09/23 17:54	1
Beryllium	0.62		0.24	0.034	mg/Kg	☆	03/07/23 11:28	03/09/23 17:54	1
Cadmium	0.16	J	0.24	0.036	mg/Kg	☆	03/07/23 11:28	03/09/23 17:54	1
Calcium	11600	B	60.1	4.0	mg/Kg	☆	03/07/23 11:28	03/10/23 15:36	1
Chromium	19.8		0.60	0.24	mg/Kg	☆	03/07/23 11:28	03/10/23 15:36	1
Cobalt	9.8		0.60	0.060	mg/Kg	☆	03/07/23 11:28	03/09/23 17:54	1
Copper	45.1	B	1.2	0.25	mg/Kg	☆	03/07/23 11:28	03/09/23 17:54	1
Iron	24800		12.0	4.2	mg/Kg	☆	03/07/23 11:28	03/10/23 15:36	1
Lead	713		1.2	0.29	mg/Kg	☆	03/07/23 11:28	03/09/23 17:54	1
Magnesium	5320		24.0	1.1	mg/Kg	☆	03/07/23 11:28	03/09/23 17:54	1
Manganese	1580	B	0.24	0.038	mg/Kg	☆	03/07/23 11:28	03/10/23 15:36	1
Nickel	22.9		6.0	0.28	mg/Kg	☆	03/07/23 11:28	03/09/23 17:54	1
Potassium	2700		36.0	24.0	mg/Kg	☆	03/07/23 11:28	03/09/23 17:54	1
Selenium	1.2	J	4.8	0.48	mg/Kg	☆	03/07/23 11:28	03/09/23 17:54	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-02-5-6

Lab Sample ID: 480-206629-2

Date Collected: 03/02/23 08:52

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 79.3

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.53	J	0.72	0.24	mg/Kg	⚠	03/07/23 11:28	03/09/23 17:54	1
Sodium	119	J	168	15.6	mg/Kg	⚠	03/07/23 11:28	03/09/23 17:54	1
Thallium	ND		7.2	0.36	mg/Kg	⚠	03/07/23 11:28	03/09/23 17:54	1
Vanadium	29.2		0.60	0.13	mg/Kg	⚠	03/07/23 11:28	03/09/23 17:54	1
Zinc	133		2.4	0.77	mg/Kg	⚠	03/07/23 11:28	03/09/23 17:54	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.0		0.025	0.0057	mg/Kg	⚠	03/09/23 10:31	03/09/23 13:41	1

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-04-6-12

Lab Sample ID: 480-206629-3

Date Collected: 03/02/23 11:41

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 89.8

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		3800	560	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
bis (2-chloroisopropyl) ether	ND		3800	760	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
2,4,5-Trichlorophenol	ND		3800	1000	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
2,4,6-Trichlorophenol	ND		3800	760	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
2,4-Dichlorophenol	ND		3800	400	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
2,4-Dimethylphenol	ND		3800	910	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
2,4-Dinitrophenol	ND		37000	17000	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
2,4-Dinitrotoluene	ND		3800	780	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
2,6-Dinitrotoluene	ND		3800	450	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
2-Chloronaphthalene	ND		3800	620	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
2-Chlorophenol	ND		7300	690	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
2-Methylphenol	ND		3800	450	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
2-Methylnaphthalene	ND		3800	760	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
2-Nitroaniline	ND		7300	560	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
2-Nitrophenol	ND		3800	1100	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
3,3'-Dichlorobenzidine	ND		7300	4500	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
3-Nitroaniline	ND		7300	1000	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
4,6-Dinitro-2-methylphenol	ND		7300	3800	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
4-Bromophenyl phenyl ether	ND		3800	530	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
4-Chloro-3-methylphenol	ND		3800	930	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
4-Chloroaniline	ND		3800	930	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
4-Chlorophenyl phenyl ether	ND		3800	470	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
4-Methylphenol	ND		7300	450	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
4-Nitroaniline	ND		7300	2000	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
4-Nitrophenol	ND		7300	2600	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
Acenaphthene	ND		3800	560	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
Acenaphthylene	ND		3800	490	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
Acetophenone	ND		3800	510	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
Anthracene	ND		3800	930	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
Atrazine	ND		3800	1300	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
Benzaldehyde	ND		3800	3000	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
Benzo[a]anthracene	ND		3800	380	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
Benzo[a]pyrene	ND		3800	560	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
Benzo[b]fluoranthene	ND		3800	600	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
Benzo[g,h,i]perylene	ND		3800	400	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
Benzo[k]fluoranthene	ND		3800	490	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
Bis(2-chloroethoxy)methane	ND		3800	800	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
Bis(2-chloroethyl)ether	ND		3800	490	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
Bis(2-ethylhexyl) phthalate	ND		3800	1300	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
Butyl benzyl phthalate	ND		3800	620	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
Caprolactam	ND		3800	1100	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
Carbazole	ND		3800	450	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
Chrysene	ND		3800	850	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
Dibenz(a,h)anthracene	ND		3800	670	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
Di-n-butyl phthalate	ND		3800	650	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
Di-n-octyl phthalate	ND		3800	450	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
Dibenzofuran	ND		3800	450	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
Diethyl phthalate	ND		3800	490	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20
Dimethyl phthalate	ND		3800	450	ug/Kg	☆	03/07/23 06:59	03/08/23 14:29	20

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-04-6-12

Lab Sample ID: 480-206629-3

Date Collected: 03/02/23 11:41

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 89.8

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		3800	400	ug/Kg	✱	03/07/23 06:59	03/08/23 14:29	20
Fluorene	ND		3800	450	ug/Kg	✱	03/07/23 06:59	03/08/23 14:29	20
Hexachlorobenzene	ND		3800	510	ug/Kg	✱	03/07/23 06:59	03/08/23 14:29	20
Hexachlorobutadiene	ND		3800	560	ug/Kg	✱	03/07/23 06:59	03/08/23 14:29	20
Hexachlorocyclopentadiene	ND		3800	510	ug/Kg	✱	03/07/23 06:59	03/08/23 14:29	20
Hexachloroethane	ND		3800	490	ug/Kg	✱	03/07/23 06:59	03/08/23 14:29	20
Indeno[1,2,3-cd]pyrene	ND		3800	470	ug/Kg	✱	03/07/23 06:59	03/08/23 14:29	20
Isophorone	ND		3800	800	ug/Kg	✱	03/07/23 06:59	03/08/23 14:29	20
N-Nitrosodi-n-propylamine	ND		3800	650	ug/Kg	✱	03/07/23 06:59	03/08/23 14:29	20
N-Nitrosodiphenylamine	ND		3800	3100	ug/Kg	✱	03/07/23 06:59	03/08/23 14:29	20
Naphthalene	ND		3800	490	ug/Kg	✱	03/07/23 06:59	03/08/23 14:29	20
Nitrobenzene	ND		3800	420	ug/Kg	✱	03/07/23 06:59	03/08/23 14:29	20
Pentachlorophenol	ND		7300	3800	ug/Kg	✱	03/07/23 06:59	03/08/23 14:29	20
Phenanthrene	ND		3800	560	ug/Kg	✱	03/07/23 06:59	03/08/23 14:29	20
Phenol	ND		3800	580	ug/Kg	✱	03/07/23 06:59	03/08/23 14:29	20
Pyrene	ND		3800	450	ug/Kg	✱	03/07/23 06:59	03/08/23 14:29	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	72		53 - 120	03/07/23 06:59	03/08/23 14:29	20
Phenol-d5 (Surr)	81		54 - 120	03/07/23 06:59	03/08/23 14:29	20
p-Terphenyl-d14 (Surr)	81		79 - 130	03/07/23 06:59	03/08/23 14:29	20
2,4,6-Tribromophenol (Surr)	82		54 - 120	03/07/23 06:59	03/08/23 14:29	20
2-Fluorobiphenyl (Surr)	82		60 - 120	03/07/23 06:59	03/08/23 14:29	20
2-Fluorophenol (Surr)	75		52 - 120	03/07/23 06:59	03/08/23 14:29	20

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	✱	03/06/23 09:12	03/09/23 00:42	1
PCB-1221	ND		0.25	0.049	mg/Kg	✱	03/06/23 09:12	03/09/23 00:42	1
PCB-1232	ND		0.25	0.049	mg/Kg	✱	03/06/23 09:12	03/09/23 00:42	1
PCB-1242	ND		0.25	0.049	mg/Kg	✱	03/06/23 09:12	03/09/23 00:42	1
PCB-1248	ND		0.25	0.049	mg/Kg	✱	03/06/23 09:12	03/09/23 00:42	1
PCB-1254	ND		0.25	0.12	mg/Kg	✱	03/06/23 09:12	03/09/23 00:42	1
PCB-1260	ND		0.25	0.12	mg/Kg	✱	03/06/23 09:12	03/09/23 00:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	115		60 - 154	03/06/23 09:12	03/09/23 00:42	1
Tetrachloro-m-xylene	126		60 - 154	03/06/23 09:12	03/09/23 00:42	1
DCB Decachlorobiphenyl	104		65 - 174	03/06/23 09:12	03/09/23 00:42	1
DCB Decachlorobiphenyl	86		65 - 174	03/06/23 09:12	03/09/23 00:42	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12600		11.4	5.0	mg/Kg	✱	03/07/23 11:28	03/09/23 17:58	1
Antimony	0.57	J	17.1	0.46	mg/Kg	✱	03/07/23 11:28	03/09/23 17:58	1
Arsenic	8.3		2.3	0.46	mg/Kg	✱	03/07/23 11:28	03/09/23 17:58	1
Barium	57.7		0.57	0.13	mg/Kg	✱	03/07/23 11:28	03/09/23 17:58	1
Beryllium	0.64		0.23	0.032	mg/Kg	✱	03/07/23 11:28	03/09/23 17:58	1
Cadmium	ND		0.23	0.034	mg/Kg	✱	03/07/23 11:28	03/09/23 17:58	1
Calcium	64700	B	57.0	3.8	mg/Kg	✱	03/07/23 11:28	03/10/23 15:40	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-04-6-12

Lab Sample ID: 480-206629-3

Date Collected: 03/02/23 11:41

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 89.8

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	16.3		0.57	0.23	mg/Kg	✱	03/07/23 11:28	03/10/23 15:40	1
Cobalt	9.4		0.57	0.057	mg/Kg	✱	03/07/23 11:28	03/09/23 17:58	1
Copper	33.5	B	1.1	0.24	mg/Kg	✱	03/07/23 11:28	03/09/23 17:58	1
Iron	21000		11.4	4.0	mg/Kg	✱	03/07/23 11:28	03/10/23 15:40	1
Lead	24.8		1.1	0.27	mg/Kg	✱	03/07/23 11:28	03/09/23 17:58	1
Magnesium	15000		22.8	1.1	mg/Kg	✱	03/07/23 11:28	03/09/23 17:58	1
Manganese	570	B	0.23	0.036	mg/Kg	✱	03/07/23 11:28	03/10/23 15:40	1
Nickel	25.0		5.7	0.26	mg/Kg	✱	03/07/23 11:28	03/09/23 17:58	1
Potassium	3620		34.2	22.8	mg/Kg	✱	03/07/23 11:28	03/09/23 17:58	1
Selenium	ND		4.6	0.46	mg/Kg	✱	03/07/23 11:28	03/09/23 17:58	1
Silver	ND		0.68	0.23	mg/Kg	✱	03/07/23 11:28	03/09/23 17:58	1
Sodium	150	J	159	14.8	mg/Kg	✱	03/07/23 11:28	03/09/23 17:58	1
Thallium	ND		6.8	0.34	mg/Kg	✱	03/07/23 11:28	03/09/23 17:58	1
Vanadium	26.9		0.57	0.13	mg/Kg	✱	03/07/23 11:28	03/09/23 17:58	1
Zinc	71.2		2.3	0.73	mg/Kg	✱	03/07/23 11:28	03/09/23 17:58	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.045		0.022	0.0050	mg/Kg	✱	03/09/23 10:31	03/09/23 13:42	1

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-04-8-10

Lab Sample ID: 480-206629-4

Date Collected: 03/02/23 12:34

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 85.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		7.4	0.53	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
1,1,2,2-Tetrachloroethane	ND		7.4	1.2	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.4	1.7	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
1,1,2-Trichloroethane	ND		7.4	0.96	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
1,1-Dichloroethane	ND		7.4	0.90	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
1,1-Dichloroethene	ND		7.4	0.90	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
1,2,4-Trichlorobenzene	ND		7.4	0.45	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
1,2-Dibromo-3-Chloropropane	ND		7.4	3.7	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
1,2-Dibromoethane	ND		7.4	0.94	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
1,2-Dichlorobenzene	ND		7.4	0.58	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
1,2-Dichloroethane	ND		7.4	0.37	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
1,2-Dichloropropane	ND		7.4	3.7	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
1,3-Dichlorobenzene	ND		7.4	0.38	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
1,4-Dichlorobenzene	ND		7.4	1.0	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
2-Butanone (MEK)	ND		37	2.7	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
2-Hexanone	ND		37	3.7	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
4-Methyl-2-pentanone (MIBK)	ND		37	2.4	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Acetone	6.9	J	37	6.2	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Benzene	ND		7.4	0.36	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Bromodichloromethane	ND		7.4	0.99	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Bromoform	ND		7.4	3.7	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Bromomethane	ND		7.4	0.66	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Carbon disulfide	ND		7.4	3.7	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Carbon tetrachloride	ND		7.4	0.71	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Chlorobenzene	ND		7.4	0.97	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Chloroethane	ND		7.4	1.7	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Chloroform	2.3	J B	7.4	0.45	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Chloromethane	ND		7.4	0.44	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
cis-1,2-Dichloroethene	ND		7.4	0.94	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
cis-1,3-Dichloropropene	ND		7.4	1.1	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Cyclohexane	ND		7.4	1.0	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Dibromochloromethane	ND		7.4	0.94	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Dichlorodifluoromethane	ND		7.4	0.61	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Ethylbenzene	ND		7.4	0.51	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Isopropylbenzene	ND		7.4	1.1	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Methyl acetate	ND		37	4.4	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Methyl tert-butyl ether	ND		7.4	0.72	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Methylcyclohexane	ND		7.4	1.1	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Methylene Chloride	ND		7.4	3.4	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Styrene	ND		7.4	0.37	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Tetrachloroethene	ND		7.4	0.99	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Toluene	ND		7.4	0.56	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
trans-1,2-Dichloroethene	ND		7.4	0.76	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
trans-1,3-Dichloropropene	ND		7.4	3.2	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Trichloroethene	ND		7.4	1.6	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Trichlorofluoromethane	ND		7.4	0.70	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Vinyl chloride	ND		7.4	0.90	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1
Xylenes, Total	ND		15	1.2	ug/Kg	☆	03/03/23 13:00	03/06/23 20:16	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-04-8-10

Lab Sample ID: 480-206629-4

Date Collected: 03/02/23 12:34

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 85.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		64 - 126	03/03/23 13:00	03/06/23 20:16	1
4-Bromofluorobenzene (Surr)	99		72 - 126	03/03/23 13:00	03/06/23 20:16	1
Dibromofluoromethane (Surr)	104		60 - 140	03/03/23 13:00	03/06/23 20:16	1
Toluene-d8 (Surr)	98		71 - 125	03/03/23 13:00	03/06/23 20:16	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2000	290	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
bis (2-chloroisopropyl) ether	ND		2000	400	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
2,4,5-Trichlorophenol	ND		2000	540	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
2,4,6-Trichlorophenol	ND		2000	400	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
2,4-Dichlorophenol	ND		2000	210	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
2,4-Dimethylphenol	ND		2000	480	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
2,4-Dinitrophenol	ND		19000	9100	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
2,4-Dinitrotoluene	ND		2000	410	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
2,6-Dinitrotoluene	ND		2000	230	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
2-Chloronaphthalene	ND		2000	330	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
2-Chlorophenol	ND		3800	360	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
2-Methylphenol	ND		2000	230	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
2-Methylnaphthalene	ND		2000	400	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
2-Nitroaniline	ND		3800	290	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
2-Nitrophenol	ND		2000	560	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
3,3'-Dichlorobenzidine	ND		3800	2300	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
3-Nitroaniline	ND		3800	550	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
4,6-Dinitro-2-methylphenol	ND		3800	2000	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
4-Bromophenyl phenyl ether	ND		2000	280	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
4-Chloro-3-methylphenol	ND		2000	490	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
4-Chloroaniline	ND		2000	490	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
4-Chlorophenyl phenyl ether	ND		2000	240	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
4-Methylphenol	ND		3800	230	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
4-Nitroaniline	ND		3800	1000	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
4-Nitrophenol	ND		3800	1400	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Acenaphthene	ND		2000	290	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Acenaphthylene	ND		2000	260	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Acetophenone	ND		2000	270	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Anthracene	ND		2000	490	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Atrazine	ND		2000	690	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Benzaldehyde	ND		2000	1600	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Benzo[a]anthracene	420	J	2000	200	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Benzo[a]pyrene	450	J	2000	290	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Benzo[b]fluoranthene	510	J	2000	310	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Benzo[g,h,i]perylene	350	J	2000	210	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Benzo[k]fluoranthene	ND		2000	260	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Bis(2-chloroethoxy)methane	ND		2000	420	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Bis(2-chloroethyl)ether	ND		2000	260	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Bis(2-ethylhexyl) phthalate	ND		2000	680	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Butyl benzyl phthalate	ND		2000	330	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Caprolactam	ND		2000	590	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Carbazole	ND		2000	230	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Chrysene	ND		2000	440	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-04-8-10

Lab Sample ID: 480-206629-4

Date Collected: 03/02/23 12:34

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 85.6

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		2000	350	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Di-n-butyl phthalate	ND		2000	340	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Di-n-octyl phthalate	ND		2000	230	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Dibenzofuran	ND		2000	230	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Diethyl phthalate	ND		2000	260	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Dimethyl phthalate	ND		2000	230	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Fluoranthene	810	J	2000	210	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Fluorene	ND		2000	230	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Hexachlorobenzene	ND		2000	270	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Hexachlorobutadiene	ND		2000	290	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Hexachlorocyclopentadiene	ND		2000	270	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Hexachloroethane	ND		2000	260	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Indeno[1,2,3-cd]pyrene	280	J	2000	240	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Isophorone	ND		2000	420	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
N-Nitrosodi-n-propylamine	ND		2000	340	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
N-Nitrosodiphenylamine	ND		2000	1600	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Naphthalene	ND		2000	260	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Nitrobenzene	ND		2000	220	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Pentachlorophenol	ND		3800	2000	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Phenanthrene	530	J	2000	290	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Phenol	ND		2000	300	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10
Pyrene	710	J	2000	230	ug/Kg	☆	03/07/23 06:59	03/08/23 14:53	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	77		53 - 120	03/07/23 06:59	03/08/23 14:53	10
Phenol-d5 (Surr)	77		54 - 120	03/07/23 06:59	03/08/23 14:53	10
p-Terphenyl-d14 (Surr)	83		79 - 130	03/07/23 06:59	03/08/23 14:53	10
2,4,6-Tribromophenol (Surr)	74		54 - 120	03/07/23 06:59	03/08/23 14:53	10
2-Fluorobiphenyl (Surr)	81		60 - 120	03/07/23 06:59	03/08/23 14:53	10
2-Fluorophenol (Surr)	75		52 - 120	03/07/23 06:59	03/08/23 14:53	10

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11300		11.7	5.2	mg/Kg	☆	03/07/23 11:28	03/09/23 18:02	1
Antimony	0.98	J	17.6	0.47	mg/Kg	☆	03/07/23 11:28	03/09/23 18:02	1
Arsenic	3.7		2.3	0.47	mg/Kg	☆	03/07/23 11:28	03/09/23 18:02	1
Barium	105		0.59	0.13	mg/Kg	☆	03/07/23 11:28	03/09/23 18:02	1
Beryllium	0.33		0.23	0.033	mg/Kg	☆	03/07/23 11:28	03/09/23 18:02	1
Cadmium	0.25		0.23	0.035	mg/Kg	☆	03/07/23 11:28	03/09/23 18:02	1
Calcium	67600	B	58.7	3.9	mg/Kg	☆	03/07/23 11:28	03/10/23 15:44	1
Chromium	16.4		0.59	0.23	mg/Kg	☆	03/07/23 11:28	03/10/23 15:44	1
Cobalt	6.3		0.59	0.059	mg/Kg	☆	03/07/23 11:28	03/09/23 18:02	1
Copper	35.5	B	1.2	0.25	mg/Kg	☆	03/07/23 11:28	03/09/23 18:02	1
Iron	25700		11.7	4.1	mg/Kg	☆	03/07/23 11:28	03/10/23 15:44	1
Lead	76.8		1.2	0.28	mg/Kg	☆	03/07/23 11:28	03/09/23 18:02	1
Magnesium	15300		23.5	1.1	mg/Kg	☆	03/07/23 11:28	03/09/23 18:02	1
Manganese	421	B	0.23	0.038	mg/Kg	☆	03/07/23 11:28	03/10/23 15:44	1
Nickel	20.1		5.9	0.27	mg/Kg	☆	03/07/23 11:28	03/09/23 18:02	1
Potassium	1570		35.2	23.5	mg/Kg	☆	03/07/23 11:28	03/09/23 18:02	1
Selenium	ND		4.7	0.47	mg/Kg	☆	03/07/23 11:28	03/09/23 18:02	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-04-8-10

Lab Sample ID: 480-206629-4

Date Collected: 03/02/23 12:34

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 85.6

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.70	0.23	mg/Kg	✱	03/07/23 11:28	03/09/23 18:02	1
Sodium	133	J	164	15.3	mg/Kg	✱	03/07/23 11:28	03/09/23 18:02	1
Thallium	ND		7.0	0.35	mg/Kg	✱	03/07/23 11:28	03/09/23 18:02	1
Vanadium	33.7		0.59	0.13	mg/Kg	✱	03/07/23 11:28	03/09/23 18:02	1
Zinc	120		2.3	0.75	mg/Kg	✱	03/07/23 11:28	03/09/23 18:02	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.092		0.023	0.0054	mg/Kg	✱	03/09/23 10:31	03/09/23 13:44	1

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-05-6-12

Lab Sample ID: 480-206629-5

Date Collected: 03/02/23 14:40

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 95.0

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		18000	2600	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
bis (2-chloroisopropyl) ether	ND		18000	3600	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
2,4,5-Trichlorophenol	ND		18000	4800	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
2,4,6-Trichlorophenol	ND		18000	3600	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
2,4-Dichlorophenol	ND		18000	1900	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
2,4-Dimethylphenol	ND		18000	4300	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
2,4-Dinitrophenol	ND		170000	82000	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
2,4-Dinitrotoluene	ND		18000	3700	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
2,6-Dinitrotoluene	ND		18000	2100	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
2-Chloronaphthalene	ND		18000	2900	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
2-Chlorophenol	ND		34000	3200	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
2-Methylphenol	ND		18000	2100	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
2-Methylnaphthalene	ND		18000	3600	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
2-Nitroaniline	ND		34000	2600	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
2-Nitrophenol	ND		18000	5000	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
3,3'-Dichlorobenzidine	ND		34000	21000	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
3-Nitroaniline	ND		34000	4900	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
4,6-Dinitro-2-methylphenol	ND		34000	18000	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
4-Bromophenyl phenyl ether	ND		18000	2500	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
4-Chloro-3-methylphenol	ND		18000	4400	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
4-Chloroaniline	ND		18000	4400	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
4-Chlorophenyl phenyl ether	ND		18000	2200	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
4-Methylphenol	ND		34000	2100	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
4-Nitroaniline	ND		34000	9300	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
4-Nitrophenol	ND		34000	12000	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Acenaphthene	ND		18000	2600	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Acenaphthylene	32000		18000	2300	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Acetophenone	ND		18000	2400	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Anthracene	16000 J		18000	4400	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Atrazine	ND		18000	6200	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Benzaldehyde	ND		18000	14000	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Benzo[a]anthracene	63000		18000	1800	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Benzo[a]pyrene	76000		18000	2600	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Benzo[b]fluoranthene	81000		18000	2800	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Benzo[g,h,i]perylene	39000		18000	1900	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Benzo[k]fluoranthene	44000		18000	2300	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Bis(2-chloroethoxy)methane	ND		18000	3800	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Bis(2-chloroethyl)ether	ND		18000	2300	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Bis(2-ethylhexyl) phthalate	ND		18000	6100	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Butyl benzyl phthalate	ND		18000	2900	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Caprolactam	ND		18000	5300	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Carbazole	ND		18000	2100	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Chrysene	59000		18000	4000	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Dibenz(a,h)anthracene	10000 J		18000	3100	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Di-n-butyl phthalate	ND		18000	3000	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Di-n-octyl phthalate	ND		18000	2100	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Dibenzofuran	3500 J		18000	2100	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Diethyl phthalate	ND		18000	2300	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Dimethyl phthalate	ND		18000	2100	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-05-6-12

Lab Sample ID: 480-206629-5

Date Collected: 03/02/23 14:40

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 95.0

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	180000		18000	1900	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Fluorene	7900	J	18000	2100	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Hexachlorobenzene	ND		18000	2400	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Hexachlorobutadiene	ND		18000	2600	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Hexachlorocyclopentadiene	ND		18000	2400	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Hexachloroethane	ND		18000	2300	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Indeno[1,2,3-cd]pyrene	38000		18000	2200	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Isophorone	ND		18000	3800	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
N-Nitrosodi-n-propylamine	ND		18000	3000	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
N-Nitrosodiphenylamine	ND		18000	14000	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Naphthalene	4600	J	18000	2300	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Nitrobenzene	ND		18000	2000	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Pentachlorophenol	ND		34000	18000	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Phenanthrene	40000		18000	2600	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Phenol	ND		18000	2700	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10
Pyrene	130000		18000	2100	ug/Kg	☆	03/07/23 06:59	03/08/23 15:17	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	80		53 - 120	03/07/23 06:59	03/08/23 15:17	10
Phenol-d5 (Surr)	81		54 - 120	03/07/23 06:59	03/08/23 15:17	10
p-Terphenyl-d14 (Surr)	99		79 - 130	03/07/23 06:59	03/08/23 15:17	10
2,4,6-Tribromophenol (Surr)	218	S1+	54 - 120	03/07/23 06:59	03/08/23 15:17	10
2-Fluorobiphenyl (Surr)	94		60 - 120	03/07/23 06:59	03/08/23 15:17	10
2-Fluorophenol (Surr)	83		52 - 120	03/07/23 06:59	03/08/23 15:17	10

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		1.2	0.24	mg/Kg	☆	03/06/23 09:12	03/09/23 00:56	5
PCB-1221	ND		1.2	0.24	mg/Kg	☆	03/06/23 09:12	03/09/23 00:56	5
PCB-1232	ND		1.2	0.24	mg/Kg	☆	03/06/23 09:12	03/09/23 00:56	5
PCB-1242	ND		1.2	0.24	mg/Kg	☆	03/06/23 09:12	03/09/23 00:56	5
PCB-1248	ND		1.2	0.24	mg/Kg	☆	03/06/23 09:12	03/09/23 00:56	5
PCB-1254	ND		1.2	0.58	mg/Kg	☆	03/06/23 09:12	03/09/23 00:56	5
PCB-1260	ND		1.2	0.58	mg/Kg	☆	03/06/23 09:12	03/09/23 00:56	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	126		60 - 154	03/06/23 09:12	03/09/23 00:56	5
Tetrachloro-m-xylene	156	S1+	60 - 154	03/06/23 09:12	03/09/23 00:56	5
DCB Decachlorobiphenyl	151		65 - 174	03/06/23 09:12	03/09/23 00:56	5
DCB Decachlorobiphenyl	112		65 - 174	03/06/23 09:12	03/09/23 00:56	5

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2050		10.2	4.5	mg/Kg	☆	03/07/23 11:28	03/10/23 16:00	1
Antimony	ND		15.3	0.41	mg/Kg	☆	03/07/23 11:28	03/09/23 18:17	1
Arsenic	3.3		2.0	0.41	mg/Kg	☆	03/07/23 11:28	03/09/23 18:17	1
Barium	17.3		0.51	0.11	mg/Kg	☆	03/07/23 11:28	03/10/23 16:00	1
Beryllium	0.17	J	0.20	0.029	mg/Kg	☆	03/07/23 11:28	03/09/23 18:17	1
Cadmium	ND		0.20	0.031	mg/Kg	☆	03/07/23 11:28	03/09/23 18:17	1
Calcium	296000	B	255	16.8	mg/Kg	☆	03/07/23 11:28	03/10/23 16:03	5

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-05-6-12

Lab Sample ID: 480-206629-5

Date Collected: 03/02/23 14:40

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 95.0

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	10.9		0.51	0.20	mg/Kg	✱	03/07/23 11:28	03/10/23 16:00	1
Cobalt	1.7		0.51	0.051	mg/Kg	✱	03/07/23 11:28	03/09/23 18:17	1
Copper	6.6	B	5.1	1.1	mg/Kg	✱	03/07/23 11:28	03/10/23 16:03	5
Iron	4420		10.2	3.6	mg/Kg	✱	03/07/23 11:28	03/10/23 16:00	1
Lead	8.6		1.0	0.24	mg/Kg	✱	03/07/23 11:28	03/09/23 18:17	1
Magnesium	6120		20.4	0.94	mg/Kg	✱	03/07/23 11:28	03/09/23 18:17	1
Manganese	246	B	0.20	0.033	mg/Kg	✱	03/07/23 11:28	03/10/23 16:00	1
Nickel	7.0		5.1	0.23	mg/Kg	✱	03/07/23 11:28	03/09/23 18:17	1
Potassium	841		30.6	20.4	mg/Kg	✱	03/07/23 11:28	03/09/23 18:17	1
Selenium	ND		4.1	0.41	mg/Kg	✱	03/07/23 11:28	03/09/23 18:17	1
Silver	ND		0.61	0.20	mg/Kg	✱	03/07/23 11:28	03/09/23 18:17	1
Sodium	166		143	13.2	mg/Kg	✱	03/07/23 11:28	03/09/23 18:17	1
Thallium	ND		6.1	0.31	mg/Kg	✱	03/07/23 11:28	03/09/23 18:17	1
Vanadium	28.5		0.51	0.11	mg/Kg	✱	03/07/23 11:28	03/09/23 18:17	1
Zinc	37.4		2.0	0.65	mg/Kg	✱	03/07/23 11:28	03/09/23 18:17	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	J	0.021	0.0048	mg/Kg	✱	03/09/23 10:31	03/09/23 13:45	1

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-05-5-6

Lab Sample ID: 480-206629-6

Date Collected: 03/02/23 14:45

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 86.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.3	0.31	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
1,1,2,2-Tetrachloroethane	ND		4.3	0.70	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.3	0.98	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
1,1,2-Trichloroethane	ND		4.3	0.56	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
1,1-Dichloroethane	ND		4.3	0.53	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
1,1-Dichloroethene	ND		4.3	0.53	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
1,2,4-Trichlorobenzene	ND		4.3	0.26	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
1,2-Dibromo-3-Chloropropane	ND		4.3	2.2	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
1,2-Dibromoethane	ND		4.3	0.55	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
1,2-Dichlorobenzene	ND		4.3	0.34	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
1,2-Dichloroethane	ND		4.3	0.22	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
1,2-Dichloropropane	ND		4.3	2.2	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
1,3-Dichlorobenzene	ND		4.3	0.22	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
1,4-Dichlorobenzene	ND		4.3	0.60	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
2-Butanone (MEK)	ND		22	1.6	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
2-Hexanone	ND		22	2.2	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
4-Methyl-2-pentanone (MIBK)	ND		22	1.4	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Acetone	ND		22	3.6	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Benzene	ND		4.3	0.21	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Bromodichloromethane	ND		4.3	0.58	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Bromoform	ND		4.3	2.2	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Bromomethane	ND		4.3	0.39	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Carbon disulfide	ND		4.3	2.2	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Carbon tetrachloride	ND		4.3	0.42	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Chlorobenzene	ND		4.3	0.57	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Chloroethane	ND		4.3	0.98	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Chloroform	ND		4.3	0.27	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Chloromethane	ND		4.3	0.26	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
cis-1,2-Dichloroethene	ND		4.3	0.55	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
cis-1,3-Dichloropropene	ND		4.3	0.62	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Cyclohexane	ND		4.3	0.60	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Dibromochloromethane	ND		4.3	0.55	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Dichlorodifluoromethane	ND		4.3	0.36	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Ethylbenzene	ND		4.3	0.30	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Isopropylbenzene	ND		4.3	0.65	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Methyl acetate	ND		22	2.6	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Methyl tert-butyl ether	ND		4.3	0.42	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Methylcyclohexane	ND		4.3	0.66	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Methylene Chloride	ND		4.3	2.0	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Styrene	ND		4.3	0.22	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Tetrachloroethene	ND		4.3	0.58	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Toluene	ND		4.3	0.33	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
trans-1,2-Dichloroethene	ND		4.3	0.45	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
trans-1,3-Dichloropropene	ND		4.3	1.9	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Trichloroethene	ND		4.3	0.95	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Trichlorofluoromethane	ND		4.3	0.41	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Vinyl chloride	ND		4.3	0.53	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1
Xylenes, Total	ND		8.6	0.73	ug/Kg	☆	03/03/23 13:00	03/06/23 20:40	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-05-5-6

Lab Sample ID: 480-206629-6

Date Collected: 03/02/23 14:45

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 86.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		64 - 126	03/03/23 13:00	03/06/23 20:40	1
4-Bromofluorobenzene (Surr)	99		72 - 126	03/03/23 13:00	03/06/23 20:40	1
Dibromofluoromethane (Surr)	103		60 - 140	03/03/23 13:00	03/06/23 20:40	1
Toluene-d8 (Surr)	99		71 - 125	03/03/23 13:00	03/06/23 20:40	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		3900	570	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
bis (2-chloroisopropyl) ether	ND		3900	780	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
2,4,5-Trichlorophenol	ND	F1	3900	1100	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
2,4,6-Trichlorophenol	ND	F1	3900	780	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
2,4-Dichlorophenol	ND		3900	410	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
2,4-Dimethylphenol	ND		3900	940	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
2,4-Dinitrophenol	ND		38000	18000	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
2,4-Dinitrotoluene	ND		3900	800	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
2,6-Dinitrotoluene	ND		3900	460	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
2-Chloronaphthalene	ND		3900	640	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
2-Chlorophenol	ND		7600	710	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
2-Methylphenol	ND		3900	460	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
2-Methylnaphthalene	ND		3900	780	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
2-Nitroaniline	ND		7600	570	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
2-Nitrophenol	ND		3900	1100	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
3,3'-Dichlorobenzidine	ND		7600	4600	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
3-Nitroaniline	ND		7600	1100	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
4,6-Dinitro-2-methylphenol	ND		7600	3900	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
4-Bromophenyl phenyl ether	ND		3900	550	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
4-Chloro-3-methylphenol	ND		3900	960	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
4-Chloroaniline	ND		3900	960	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
4-Chlorophenyl phenyl ether	ND		3900	480	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
4-Methylphenol	ND		7600	460	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
4-Nitroaniline	ND		7600	2000	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
4-Nitrophenol	ND	F1	7600	2700	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Acenaphthene	ND		3900	570	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Acenaphthylene	880	J	3900	500	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Acetophenone	ND		3900	530	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Anthracene	ND	F1 F2	3900	960	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Atrazine	ND		3900	1400	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Benzaldehyde	ND	F1	3900	3100	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Benzo[a]anthracene	2400	J F1 F2	3900	390	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Benzo[a]pyrene	3000	J F1 F2	3900	570	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Benzo[b]fluoranthene	3500	J F2	3900	620	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Benzo[g,h,i]perylene	1900	J F2	3900	410	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Benzo[k]fluoranthene	1700	J	3900	500	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Bis(2-chloroethoxy)methane	ND		3900	820	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Bis(2-chloroethyl)ether	ND		3900	500	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Bis(2-ethylhexyl) phthalate	ND		3900	1300	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Butyl benzyl phthalate	ND		3900	640	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Caprolactam	ND		3900	1200	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Carbazole	ND		3900	460	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Chrysene	2400	J F1 F2	3900	870	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-05-5-6

Lab Sample ID: 480-206629-6

Date Collected: 03/02/23 14:45

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 86.1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		3900	690	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Di-n-butyl phthalate	ND		3900	660	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Di-n-octyl phthalate	ND		3900	460	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Dibenzofuran	ND		3900	460	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Diethyl phthalate	ND		3900	500	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Dimethyl phthalate	ND		3900	460	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Fluoranthene	6200	F1 F2	3900	410	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Fluorene	ND	F1	3900	460	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Hexachlorobenzene	ND		3900	530	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Hexachlorobutadiene	ND		3900	570	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Hexachlorocyclopentadiene	ND		3900	530	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Hexachloroethane	ND		3900	500	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Indeno[1,2,3-cd]pyrene	1700	J	3900	480	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Isophorone	ND		3900	820	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
N-Nitrosodi-n-propylamine	ND		3900	660	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
N-Nitrosodiphenylamine	ND		3900	3200	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Naphthalene	ND		3900	500	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Nitrobenzene	ND		3900	430	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Pentachlorophenol	ND		7600	3900	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Phenanthrene	2200	J F1 F2	3900	570	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Phenol	ND		3900	600	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20
Pyrene	4800	F1	3900	460	ug/Kg	☆	03/07/23 06:59	03/08/23 13:16	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	80		53 - 120	03/07/23 06:59	03/08/23 13:16	20
Phenol-d5 (Surr)	78		54 - 120	03/07/23 06:59	03/08/23 13:16	20
p-Terphenyl-d14 (Surr)	90		79 - 130	03/07/23 06:59	03/08/23 13:16	20
2,4,6-Tribromophenol (Surr)	47	S1-	54 - 120	03/07/23 06:59	03/08/23 13:16	20
2-Fluorobiphenyl (Surr)	86		60 - 120	03/07/23 06:59	03/08/23 13:16	20
2-Fluorophenol (Surr)	69		52 - 120	03/07/23 06:59	03/08/23 13:16	20

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7940		11.3	5.0	mg/Kg	☆	03/07/23 11:28	03/10/23 16:07	1
Antimony	0.59	J	16.9	0.45	mg/Kg	☆	03/07/23 11:28	03/09/23 18:21	1
Arsenic	8.1		2.3	0.45	mg/Kg	☆	03/07/23 11:28	03/09/23 18:21	1
Barium	46.2		0.56	0.12	mg/Kg	☆	03/07/23 11:28	03/10/23 16:07	1
Beryllium	0.37		0.23	0.032	mg/Kg	☆	03/07/23 11:28	03/09/23 18:21	1
Cadmium	ND		0.23	0.034	mg/Kg	☆	03/07/23 11:28	03/09/23 18:21	1
Calcium	80400	B	56.4	3.7	mg/Kg	☆	03/07/23 11:28	03/10/23 16:07	1
Chromium	11.6		0.56	0.23	mg/Kg	☆	03/07/23 11:28	03/10/23 16:07	1
Cobalt	4.8		0.56	0.056	mg/Kg	☆	03/07/23 11:28	03/09/23 18:21	1
Copper	21.9	B	1.1	0.24	mg/Kg	☆	03/07/23 11:28	03/09/23 18:21	1
Iron	18600		11.3	3.9	mg/Kg	☆	03/07/23 11:28	03/10/23 16:07	1
Lead	22.4		1.1	0.27	mg/Kg	☆	03/07/23 11:28	03/09/23 18:21	1
Magnesium	8640		22.5	1.0	mg/Kg	☆	03/07/23 11:28	03/09/23 18:21	1
Manganese	356	B	0.23	0.036	mg/Kg	☆	03/07/23 11:28	03/10/23 16:07	1
Nickel	11.4		5.6	0.26	mg/Kg	☆	03/07/23 11:28	03/09/23 18:21	1
Potassium	1960		33.8	22.5	mg/Kg	☆	03/07/23 11:28	03/09/23 18:21	1
Selenium	ND		4.5	0.45	mg/Kg	☆	03/07/23 11:28	03/09/23 18:21	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-05-5-6

Lab Sample ID: 480-206629-6

Date Collected: 03/02/23 14:45

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 86.1

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.68	0.23	mg/Kg	⚠	03/07/23 11:28	03/09/23 18:21	1
Sodium	168		158	14.7	mg/Kg	⚠	03/07/23 11:28	03/09/23 18:21	1
Thallium	ND		6.8	0.34	mg/Kg	⚠	03/07/23 11:28	03/09/23 18:21	1
Vanadium	16.7		0.56	0.12	mg/Kg	⚠	03/07/23 11:28	03/09/23 18:21	1
Zinc	49.6		2.3	0.72	mg/Kg	⚠	03/07/23 11:28	03/09/23 18:21	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.058		0.022	0.0051	mg/Kg	⚠	03/09/23 10:31	03/09/23 13:46	1

Surrogate Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (64-126)	BFB (72-126)	DBFM (60-140)	TOL (71-125)
480-206629-2	SB-02-5-6	106	99	106	101
480-206629-4	SB-04-8-10	106	99	104	98
480-206629-6	SB-05-5-6	104	99	103	99
LCS 480-660578/1-A	Lab Control Sample	100	99	101	100
MB 480-660578/2-A	Method Blank	100	99	103	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (53-120)	PHL (54-120)	TPHd14 (79-130)	TBP (54-120)	FBP (60-120)	2FP (52-120)
480-206629-1	SB-02-0-6	76	83	94	67	88	76
480-206629-2	SB-02-5-6	77	81	88	75	83	75
480-206629-3	SB-04-6-12	72	81	81	82	82	75
480-206629-4	SB-04-8-10	77	77	83	74	81	75
480-206629-5	SB-05-6-12	80	81	99	218 S1+	94	83
480-206629-6	SB-05-5-6	80	78	90	47 S1-	86	69
480-206629-6 MS	SB-05-5-6	80	80	94	65	88	73
480-206629-6 MSD	SB-05-5-6	80	86	96	59	96	75
LCS 480-660647/2-A	Lab Control Sample	83	82	96	87	87	75
MB 480-660647/1-A	Method Blank	79	78	97	61	83	70

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-206629-1	SB-02-0-6	121	132	107	87
480-206629-3	SB-04-6-12	115	126	104	86
480-206629-5	SB-05-6-12	126	156 S1+	151	112
LCS 480-660538/2-A	Lab Control Sample	138	144	137	110
MB 480-660538/1-A	Method Blank	123	135	125	99

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-660578/2-A

Matrix: Solid

Analysis Batch: 660558

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660578

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
2-Hexanone	ND		25	2.5	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Acetone	ND		25	4.2	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Benzene	ND		5.0	0.25	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Bromoform	ND		5.0	2.5	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Bromomethane	ND		5.0	0.45	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Chloroethane	ND		5.0	1.1	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Chloroform	0.486	J	5.0	0.31	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Chloromethane	ND		5.0	0.30	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Cyclohexane	ND		5.0	0.70	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Methyl acetate	ND		25	3.0	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Styrene	ND		5.0	0.25	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Toluene	ND		5.0	0.38	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Trichloroethene	ND		5.0	1.1	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Xylenes, Total	ND		10	0.84	ug/Kg		03/06/23 11:57	03/06/23 13:35	1

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-660578/2-A

Matrix: Solid

Analysis Batch: 660558

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660578

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 126	03/06/23 11:57	03/06/23 13:35	1
4-Bromofluorobenzene (Surr)	99		72 - 126	03/06/23 11:57	03/06/23 13:35	1
Dibromofluoromethane (Surr)	103		60 - 140	03/06/23 11:57	03/06/23 13:35	1
Toluene-d8 (Surr)	98		71 - 125	03/06/23 11:57	03/06/23 13:35	1

Lab Sample ID: LCS 480-660578/1-A

Matrix: Solid

Analysis Batch: 660558

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 660578

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	47.5		ug/Kg		95	77 - 121
1,1,2,2-Tetrachloroethane	50.0	51.0		ug/Kg		102	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	39.5		ug/Kg		79	60 - 140
1,1,2-Trichloroethane	50.0	49.9		ug/Kg		100	78 - 122
1,1-Dichloroethane	50.0	48.9		ug/Kg		98	73 - 126
1,1-Dichloroethene	50.0	44.5		ug/Kg		89	59 - 125
1,2,4-Trichlorobenzene	50.0	50.8		ug/Kg		102	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	58.0		ug/Kg		116	63 - 124
1,2-Dibromoethane	50.0	51.0		ug/Kg		102	78 - 120
1,2-Dichlorobenzene	50.0	49.8		ug/Kg		100	75 - 120
1,2-Dichloroethane	50.0	48.6		ug/Kg		97	77 - 122
1,2-Dichloropropane	50.0	49.6		ug/Kg		99	75 - 124
1,3-Dichlorobenzene	50.0	49.8		ug/Kg		100	74 - 120
1,4-Dichlorobenzene	50.0	49.1		ug/Kg		98	73 - 120
2-Butanone (MEK)	250	254		ug/Kg		102	70 - 134
2-Hexanone	250	262		ug/Kg		105	59 - 130
4-Methyl-2-pentanone (MIBK)	250	266		ug/Kg		106	65 - 133
Acetone	250	240		ug/Kg		96	61 - 137
Benzene	50.0	48.2		ug/Kg		96	79 - 127
Bromodichloromethane	50.0	52.8		ug/Kg		106	80 - 122
Bromoform	50.0	57.4		ug/Kg		115	68 - 126
Bromomethane	50.0	47.2		ug/Kg		94	37 - 149
Carbon disulfide	50.0	46.6		ug/Kg		93	64 - 131
Carbon tetrachloride	50.0	47.6		ug/Kg		95	75 - 135
Chlorobenzene	50.0	49.2		ug/Kg		98	76 - 124
Chloroethane	50.0	47.5		ug/Kg		95	69 - 135
Chloroform	50.0	48.3		ug/Kg		97	80 - 120
Chloromethane	50.0	48.4		ug/Kg		97	63 - 127
cis-1,2-Dichloroethene	50.0	48.9		ug/Kg		98	81 - 120
cis-1,3-Dichloropropene	50.0	52.3		ug/Kg		105	80 - 120
Cyclohexane	50.0	42.0		ug/Kg		84	65 - 120
Dibromochloromethane	50.0	55.7		ug/Kg		111	76 - 125
Dichlorodifluoromethane	50.0	40.0		ug/Kg		80	57 - 142
Ethylbenzene	50.0	48.4		ug/Kg		97	80 - 120
Isopropylbenzene	50.0	49.3		ug/Kg		99	72 - 120
Methyl acetate	100	100		ug/Kg		100	55 - 136
Methyl tert-butyl ether	50.0	51.8		ug/Kg		104	63 - 125
Methylcyclohexane	50.0	41.3		ug/Kg		83	60 - 140

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-660578/1-A

Matrix: Solid

Analysis Batch: 660558

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 660578

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	50.0	51.4		ug/Kg		103	61 - 127
Styrene	50.0	51.1		ug/Kg		102	80 - 120
Tetrachloroethene	50.0	46.6		ug/Kg		93	74 - 122
Toluene	50.0	48.2		ug/Kg		96	74 - 128
trans-1,2-Dichloroethene	50.0	47.9		ug/Kg		96	78 - 126
Trichloroethene	50.0	47.4		ug/Kg		95	77 - 129
Trichlorofluoromethane	50.0	42.2		ug/Kg		84	65 - 146
Vinyl chloride	50.0	45.9		ug/Kg		92	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		64 - 126
4-Bromofluorobenzene (Surr)	99		72 - 126
Dibromofluoromethane (Surr)	101		60 - 140
Toluene-d8 (Surr)	100		71 - 125

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-660647/1-A

Matrix: Solid

Analysis Batch: 660819

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660647

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	24	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
bis (2-chloroisopropyl) ether	ND		170	33	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2,4,5-Trichlorophenol	ND		170	45	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2,4,6-Trichlorophenol	ND		170	33	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2,4-Dichlorophenol	ND		170	18	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2,4-Dimethylphenol	ND		170	40	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2,4-Dinitrophenol	ND		1600	770	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2,4-Dinitrotoluene	ND		170	34	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2-Chloronaphthalene	ND		170	27	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2-Chlorophenol	ND		320	30	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2-Methylphenol	ND		170	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2-Methylnaphthalene	ND		170	33	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2-Nitroaniline	ND		320	24	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2-Nitrophenol	ND		170	47	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
3,3'-Dichlorobenzidine	ND		320	200	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
3-Nitroaniline	ND		320	46	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
4,6-Dinitro-2-methylphenol	ND		320	170	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
4-Bromophenyl phenyl ether	ND		170	24	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
4-Chloro-3-methylphenol	ND		170	41	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
4-Chloroaniline	ND		170	41	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
4-Chlorophenyl phenyl ether	ND		170	21	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
4-Methylphenol	ND		320	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
4-Nitroaniline	ND		320	87	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
4-Nitrophenol	ND		320	120	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Acenaphthene	ND		170	24	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Acenaphthylene	ND		170	22	ug/Kg		03/07/23 06:59	03/08/23 11:40	1

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-660647/1-A

Matrix: Solid

Analysis Batch: 660819

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660647

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		170	23	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Anthracene	ND		170	41	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Atrazine	ND		170	58	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Benzaldehyde	ND		170	130	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Benzo[a]anthracene	ND		170	17	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Benzo[a]pyrene	ND		170	24	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Benzo[b]fluoranthene	ND		170	26	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Bis(2-chloroethoxy)methane	ND		170	35	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Bis(2-chloroethyl)ether	ND		170	22	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Bis(2-ethylhexyl) phthalate	ND		170	57	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Butyl benzyl phthalate	ND		170	27	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Caprolactam	ND		170	50	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Carbazole	ND		170	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Chrysene	ND		170	37	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Dibenz(a,h)anthracene	ND		170	29	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Di-n-butyl phthalate	ND		170	28	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Di-n-octyl phthalate	ND		170	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Dibenzofuran	ND		170	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Diethyl phthalate	ND		170	22	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Dimethyl phthalate	ND		170	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Fluoranthene	ND		170	18	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Fluorene	ND		170	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Hexachlorobenzene	ND		170	23	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Hexachlorobutadiene	ND		170	24	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Hexachlorocyclopentadiene	ND		170	23	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Hexachloroethane	ND		170	22	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Isophorone	ND		170	35	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
N-Nitrosodi-n-propylamine	ND		170	28	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
N-Nitrosodiphenylamine	ND		170	140	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Naphthalene	ND		170	22	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Nitrobenzene	ND		170	19	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Pentachlorophenol	ND		320	170	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Phenanthrene	ND		170	24	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Phenol	ND		170	25	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Pyrene	ND		170	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	79		53 - 120	03/07/23 06:59	03/08/23 11:40	1
Phenol-d5 (Surr)	78		54 - 120	03/07/23 06:59	03/08/23 11:40	1
p-Terphenyl-d14 (Surr)	97		79 - 130	03/07/23 06:59	03/08/23 11:40	1
2,4,6-Tribromophenol (Surr)	61		54 - 120	03/07/23 06:59	03/08/23 11:40	1
2-Fluorobiphenyl (Surr)	83		60 - 120	03/07/23 06:59	03/08/23 11:40	1
2-Fluorophenol (Surr)	70		52 - 120	03/07/23 06:59	03/08/23 11:40	1

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-660647/2-A

Matrix: Solid

Analysis Batch: 660819

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 660647

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biphenyl	1650	1550		ug/Kg		94	59 - 120
bis (2-chloroisopropyl) ether	1650	1520		ug/Kg		92	44 - 120
2,4,5-Trichlorophenol	1650	1530		ug/Kg		93	59 - 126
2,4,6-Trichlorophenol	1650	1530		ug/Kg		93	59 - 123
2,4-Dichlorophenol	1650	1470		ug/Kg		89	61 - 120
2,4-Dimethylphenol	1650	1540		ug/Kg		93	59 - 120
2,4-Dinitrophenol	3290	2790		ug/Kg		85	41 - 146
2,4-Dinitrotoluene	1650	1570		ug/Kg		95	63 - 120
2,6-Dinitrotoluene	1650	1610		ug/Kg		98	66 - 120
2-Chloronaphthalene	1650	1520		ug/Kg		92	57 - 120
2-Chlorophenol	1650	1380		ug/Kg		84	53 - 120
2-Methylphenol	1650	1470		ug/Kg		89	54 - 120
2-Methylnaphthalene	1650	1560		ug/Kg		95	59 - 120
2-Nitroaniline	1650	1650		ug/Kg		100	61 - 120
2-Nitrophenol	1650	1470		ug/Kg		90	56 - 120
3,3'-Dichlorobenzidine	3290	2900		ug/Kg		88	54 - 120
3-Nitroaniline	1650	1220		ug/Kg		74	48 - 120
4,6-Dinitro-2-methylphenol	3290	3500		ug/Kg		106	49 - 122
4-Bromophenyl phenyl ether	1650	1600		ug/Kg		97	58 - 120
4-Chloro-3-methylphenol	1650	1580		ug/Kg		96	61 - 120
4-Chloroaniline	1650	1220		ug/Kg		74	38 - 120
4-Chlorophenyl phenyl ether	1650	1540		ug/Kg		94	63 - 124
4-Methylphenol	1650	1480		ug/Kg		90	55 - 120
4-Nitroaniline	1650	1450		ug/Kg		88	56 - 120
4-Nitrophenol	3290	3020		ug/Kg		92	43 - 147
Acenaphthene	1650	1580		ug/Kg		96	62 - 120
Acenaphthylene	1650	1580		ug/Kg		96	58 - 121
Acetophenone	1650	1450		ug/Kg		88	54 - 120
Anthracene	1650	1580		ug/Kg		96	62 - 120
Atrazine	3290	3130		ug/Kg		95	60 - 127
Benzaldehyde	3290	2160		ug/Kg		66	10 - 150
Benzo[a]anthracene	1650	1600		ug/Kg		97	65 - 120
Benzo[a]pyrene	1650	1650		ug/Kg		100	64 - 120
Benzo[b]fluoranthene	1650	1600		ug/Kg		97	64 - 120
Benzo[g,h,i]perylene	1650	1700		ug/Kg		104	45 - 145
Benzo[k]fluoranthene	1650	1640		ug/Kg		100	65 - 120
Bis(2-chloroethoxy)methane	1650	1480		ug/Kg		90	55 - 120
Bis(2-chloroethyl)ether	1650	1350		ug/Kg		82	45 - 120
Bis(2-ethylhexyl) phthalate	1650	1640		ug/Kg		99	61 - 133
Butyl benzyl phthalate	1650	1700		ug/Kg		103	61 - 129
Caprolactam	3290	3040		ug/Kg		92	47 - 120
Carbazole	1650	1630		ug/Kg		99	65 - 120
Chrysene	1650	1570		ug/Kg		95	64 - 120
Dibenz(a,h)anthracene	1650	1670		ug/Kg		102	54 - 132
Di-n-butyl phthalate	1650	1640		ug/Kg		99	58 - 130
Di-n-octyl phthalate	1650	1690		ug/Kg		103	57 - 133
Dibenzofuran	1650	1560		ug/Kg		95	63 - 120
Diethyl phthalate	1650	1610		ug/Kg		98	66 - 120

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-660647/2-A

Matrix: Solid

Analysis Batch: 660819

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 660647

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dimethyl phthalate	1650	1580		ug/Kg		96	65 - 124
Fluoranthene	1650	1630		ug/Kg		99	62 - 120
Fluorene	1650	1580		ug/Kg		96	63 - 120
Hexachlorobenzene	1650	1550		ug/Kg		94	60 - 120
Hexachlorobutadiene	1650	1340		ug/Kg		81	45 - 120
Hexachlorocyclopentadiene	1650	1320		ug/Kg		80	47 - 120
Hexachloroethane	1650	1230		ug/Kg		75	41 - 120
Indeno[1,2,3-cd]pyrene	1650	1790		ug/Kg		109	56 - 134
Isophorone	1650	1520		ug/Kg		93	56 - 120
N-Nitrosodi-n-propylamine	1650	1480		ug/Kg		90	52 - 120
N-Nitrosodiphenylamine	1650	1640		ug/Kg		100	51 - 128
Naphthalene	1650	1400		ug/Kg		85	55 - 120
Nitrobenzene	1650	1440		ug/Kg		88	54 - 120
Pentachlorophenol	3290	2670		ug/Kg		81	51 - 120
Phenanthrene	1650	1630		ug/Kg		99	60 - 120
Phenol	1650	1430		ug/Kg		87	53 - 120
Pyrene	1650	1750		ug/Kg		106	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	83		53 - 120
Phenol-d5 (Surr)	82		54 - 120
p-Terphenyl-d14 (Surr)	96		79 - 130
2,4,6-Tribromophenol (Surr)	87		54 - 120
2-Fluorobiphenyl (Surr)	87		60 - 120
2-Fluorophenol (Surr)	75		52 - 120

Lab Sample ID: 480-206629-6 MS

Matrix: Solid

Analysis Batch: 660819

Client Sample ID: SB-05-5-6

Prep Type: Total/NA

Prep Batch: 660647

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Biphenyl	ND		1920	1840	J	ug/Kg	☼	96	58 - 120
bis (2-chloroisopropyl) ether	ND		1920	1900	J	ug/Kg	☼	99	31 - 120
2,4,5-Trichlorophenol	ND	F1	1920	1230	J	ug/Kg	☼	64	46 - 120
2,4,6-Trichlorophenol	ND	F1	1920	909	J	ug/Kg	☼	47	41 - 123
2,4-Dichlorophenol	ND		1920	1660	J	ug/Kg	☼	87	45 - 120
2,4-Dimethylphenol	ND		1920	1620	J	ug/Kg	☼	84	52 - 120
2,4-Dinitrophenol	ND		3840	ND		ug/Kg	☼	NC	41 - 146
2,4-Dinitrotoluene	ND		1920	2020	J	ug/Kg	☼	105	63 - 125
2,6-Dinitrotoluene	ND		1920	1940	J	ug/Kg	☼	101	66 - 120
2-Chloronaphthalene	ND		1920	1760	J	ug/Kg	☼	92	57 - 120
2-Chlorophenol	ND		1920	1580	J	ug/Kg	☼	82	43 - 120
2-Methylphenol	ND		1920	1720	J	ug/Kg	☼	90	48 - 120
2-Methylnaphthalene	ND		1920	1830	J	ug/Kg	☼	95	55 - 120
2-Nitroaniline	ND		1920	1930	J	ug/Kg	☼	101	61 - 120
2-Nitrophenol	ND		1920	1710	J	ug/Kg	☼	89	37 - 120
3,3'-Dichlorobenzidine	ND		3840	ND		ug/Kg	☼	NC	37 - 126
3-Nitroaniline	ND		1920	1760	J	ug/Kg	☼	92	48 - 120

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-206629-6 MS

Matrix: Solid

Analysis Batch: 660819

Client Sample ID: SB-05-5-6

Prep Type: Total/NA

Prep Batch: 660647

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
4,6-Dinitro-2-methylphenol	ND		3840	ND		ug/Kg	✱	NC		23 - 149
4-Bromophenyl phenyl ether	ND		1920	1720	J	ug/Kg	✱	89		58 - 120
4-Chloro-3-methylphenol	ND		1920	1930	J	ug/Kg	✱	100		49 - 125
4-Chloroaniline	ND		1920	1120	J	ug/Kg	✱	59		38 - 120
4-Chlorophenyl phenyl ether	ND		1920	1790	J	ug/Kg	✱	93		63 - 124
4-Methylphenol	ND		1920	1770	J	ug/Kg	✱	92		50 - 120
4-Nitroaniline	ND		1920	ND		ug/Kg	✱	NC		47 - 120
4-Nitrophenol	ND	F1	3840	ND	F1	ug/Kg	✱	0		31 - 147
Acenaphthene	ND		1920	1880	J	ug/Kg	✱	98		60 - 120
Acenaphthylene	880	J	1920	2280	J	ug/Kg	✱	73		58 - 121
Acetophenone	ND		1920	1680	J	ug/Kg	✱	88		47 - 120
Anthracene	ND	F1 F2	1920	2160	J	ug/Kg	✱	112		62 - 120
Atrazine	ND		3840	3570	J	ug/Kg	✱	93		60 - 150
Benzaldehyde	ND	F1	3840	ND	F1	ug/Kg	✱	0		10 - 150
Benzo[a]anthracene	2400	J F1 F2	1920	3450	J F1	ug/Kg	✱	54		65 - 120
Benzo[a]pyrene	3000	J F1 F2	1920	3810	J F1	ug/Kg	✱	44		64 - 120
Benzo[b]fluoranthene	3500	J F2	1920	3890	J	ug/Kg	✱	22		10 - 150
Benzo[g,h,i]perylene	1900	J F2	1920	3180	J	ug/Kg	✱	67		45 - 145
Benzo[k]fluoranthene	1700	J	1920	3240	J	ug/Kg	✱	83		23 - 150
Bis(2-chloroethoxy)methane	ND		1920	1700	J	ug/Kg	✱	88		52 - 120
Bis(2-chloroethyl)ether	ND		1920	1590	J	ug/Kg	✱	83		45 - 120
Bis(2-ethylhexyl) phthalate	ND		1920	1970	J	ug/Kg	✱	103		61 - 133
Butyl benzyl phthalate	ND		1920	1900	J	ug/Kg	✱	99		61 - 120
Caprolactam	ND		3840	3490	J	ug/Kg	✱	91		37 - 133
Carbazole	ND		1920	1830	J	ug/Kg	✱	95		59 - 120
Chrysene	2400	J F1 F2	1920	3200	J F1	ug/Kg	✱	41		64 - 120
Dibenz(a,h)anthracene	ND		1920	2250	J	ug/Kg	✱	117		54 - 132
Di-n-butyl phthalate	ND		1920	1960	J	ug/Kg	✱	102		58 - 130
Di-n-octyl phthalate	ND		1920	1990	J	ug/Kg	✱	104		57 - 133
Dibenzofuran	ND		1920	1950	J	ug/Kg	✱	102		62 - 120
Diethyl phthalate	ND		1920	1710	J	ug/Kg	✱	89		66 - 120
Dimethyl phthalate	ND		1920	1790	J	ug/Kg	✱	93		65 - 124
Fluoranthene	6200	F1 F2	1920	5640	F1	ug/Kg	✱	-31		62 - 120
Fluorene	ND	F1	1920	2070	J	ug/Kg	✱	108		63 - 120
Hexachlorobenzene	ND		1920	1870	J	ug/Kg	✱	97		60 - 120
Hexachlorobutadiene	ND		1920	1560	J	ug/Kg	✱	81		45 - 120
Hexachlorocyclopentadiene	ND		1920	1180	J	ug/Kg	✱	61		31 - 120
Hexachloroethane	ND		1920	1490	J	ug/Kg	✱	78		21 - 120
Indeno[1,2,3-cd]pyrene	1700	J	1920	3180	J	ug/Kg	✱	76		56 - 134
Isophorone	ND		1920	1570	J	ug/Kg	✱	82		56 - 120
N-Nitrosodi-n-propylamine	ND		1920	1660	J	ug/Kg	✱	86		46 - 120
N-Nitrosodiphenylamine	ND		1920	ND		ug/Kg	✱	NC		20 - 128
Naphthalene	ND		1920	1770	J	ug/Kg	✱	92		46 - 120
Nitrobenzene	ND		1920	1580	J	ug/Kg	✱	82		49 - 120
Pentachlorophenol	ND		3840	ND		ug/Kg	✱	NC		25 - 136
Phenanthrene	2200	J F1 F2	1920	3070	J F1	ug/Kg	✱	45		60 - 122
Phenol	ND		1920	1610	J	ug/Kg	✱	84		50 - 120
Pyrene	4800	F1	1920	4870	F1	ug/Kg	✱	6		61 - 133

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-206629-6 MS

Matrix: Solid

Analysis Batch: 660819

Client Sample ID: SB-05-5-6

Prep Type: Total/NA

Prep Batch: 660647

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5 (Surr)	80		53 - 120
Phenol-d5 (Surr)	80		54 - 120
p-Terphenyl-d14 (Surr)	94		79 - 130
2,4,6-Tribromophenol (Surr)	65		54 - 120
2-Fluorobiphenyl (Surr)	88		60 - 120
2-Fluorophenol (Surr)	73		52 - 120

Lab Sample ID: 480-206629-6 MSD

Matrix: Solid

Analysis Batch: 660819

Client Sample ID: SB-05-5-6

Prep Type: Total/NA

Prep Batch: 660647

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Biphenyl	ND		1910	1950	J	ug/Kg	⊛	102	58 - 120	6	20
bis (2-chloroisopropyl) ether	ND		1910	2030	J	ug/Kg	⊛	106	31 - 120	7	24
2,4,5-Trichlorophenol	ND	F1	1910	ND	F1	ug/Kg	⊛	0	46 - 120	NC	18
2,4,6-Trichlorophenol	ND	F1	1910	ND	F1	ug/Kg	⊛	0	41 - 123	NC	19
2,4-Dichlorophenol	ND		1910	1650	J	ug/Kg	⊛	86	45 - 120	1	19
2,4-Dimethylphenol	ND		1910	1730	J	ug/Kg	⊛	90	52 - 120	7	42
2,4-Dinitrophenol	ND		3820	ND		ug/Kg	⊛	NC	41 - 146	NC	22
2,4-Dinitrotoluene	ND		1910	2070	J	ug/Kg	⊛	108	63 - 125	2	20
2,6-Dinitrotoluene	ND		1910	1790	J	ug/Kg	⊛	93	66 - 120	8	15
2-Chloronaphthalene	ND		1910	1900	J	ug/Kg	⊛	99	57 - 120	8	21
2-Chlorophenol	ND		1910	1650	J	ug/Kg	⊛	86	43 - 120	4	25
2-Methylphenol	ND		1910	1780	J	ug/Kg	⊛	93	48 - 120	3	27
2-Methylnaphthalene	ND		1910	1920	J	ug/Kg	⊛	100	55 - 120	5	21
2-Nitroaniline	ND		1910	1910	J	ug/Kg	⊛	100	61 - 120	1	15
2-Nitrophenol	ND		1910	1690	J	ug/Kg	⊛	88	37 - 120	1	18
3,3'-Dichlorobenzidine	ND		3820	ND		ug/Kg	⊛	NC	37 - 126	NC	25
3-Nitroaniline	ND		1910	1830	J	ug/Kg	⊛	96	48 - 120	4	19
4,6-Dinitro-2-methylphenol	ND		3820	ND		ug/Kg	⊛	NC	23 - 149	NC	15
4-Bromophenyl phenyl ether	ND		1910	1860	J	ug/Kg	⊛	98	58 - 120	8	15
4-Chloro-3-methylphenol	ND		1910	1960	J	ug/Kg	⊛	102	49 - 125	1	27
4-Chloroaniline	ND		1910	1130	J	ug/Kg	⊛	59	38 - 120	0	22
4-Chlorophenyl phenyl ether	ND		1910	1950	J	ug/Kg	⊛	102	63 - 124	9	16
4-Methylphenol	ND		1910	1700	J	ug/Kg	⊛	89	50 - 120	4	24
4-Nitroaniline	ND		1910	ND		ug/Kg	⊛	NC	47 - 120	NC	24
4-Nitrophenol	ND	F1	3820	ND	F1	ug/Kg	⊛	0	31 - 147	NC	25
Acenaphthene	ND		1910	2090	J	ug/Kg	⊛	109	60 - 120	11	35
Acenaphthylene	880	J	1910	2720	J	ug/Kg	⊛	96	58 - 121	18	18
Acetophenone	ND		1910	1750	J	ug/Kg	⊛	92	47 - 120	4	20
Anthracene	ND	F1 F2	1910	2670	J F1 F2	ug/Kg	⊛	140	62 - 120	21	15
Atrazine	ND		3820	3540	J	ug/Kg	⊛	93	60 - 150	1	20
Benzaldehyde	ND	F1	3820	ND	F1	ug/Kg	⊛	0	10 - 150	NC	20
Benzo[a]anthracene	2400	J F1 F2	1910	4430	F2	ug/Kg	⊛	106	65 - 120	25	15
Benzo[a]pyrene	3000	J F1 F2	1910	4840	F2	ug/Kg	⊛	98	64 - 120	24	15
Benzo[b]fluoranthene	3500	J F2	1910	5810	F2	ug/Kg	⊛	123	10 - 150	40	15
Benzo[g,h,i]perylene	1900	J F2	1910	3840	J F2	ug/Kg	⊛	102	45 - 145	19	15
Benzo[k]fluoranthene	1700	J	1910	3410	J	ug/Kg	⊛	92	23 - 150	5	22

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-206629-6 MSD

Matrix: Solid

Analysis Batch: 660819

Client Sample ID: SB-05-5-6

Prep Type: Total/NA

Prep Batch: 660647

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bis(2-chloroethoxy)methane	ND		1910	1810	J	ug/Kg	✱	95	52 - 120	6	17
Bis(2-chloroethyl)ether	ND		1910	1760	J	ug/Kg	✱	92	45 - 120	10	21
Bis(2-ethylhexyl) phthalate	ND		1910	2150	J	ug/Kg	✱	112	61 - 133	9	15
Butyl benzyl phthalate	ND		1910	2220	J	ug/Kg	✱	116	61 - 120	15	16
Caprolactam	ND		3820	3550	J	ug/Kg	✱	93	37 - 133	2	20
Carbazole	ND		1910	2070	J	ug/Kg	✱	108	59 - 120	12	20
Chrysene	2400	J F1 F2	1910	4360	F2	ug/Kg	✱	102	64 - 120	30	15
Dibenz(a,h)anthracene	ND		1910	2360	J	ug/Kg	✱	123	54 - 132	5	15
Di-n-butyl phthalate	ND		1910	2010	J	ug/Kg	✱	105	58 - 130	3	15
Di-n-octyl phthalate	ND		1910	2220	J	ug/Kg	✱	116	57 - 133	11	16
Dibenzofuran	ND		1910	2120	J	ug/Kg	✱	111	62 - 120	8	15
Diethyl phthalate	ND		1910	1750	J	ug/Kg	✱	92	66 - 120	2	15
Dimethyl phthalate	ND		1910	1930	J	ug/Kg	✱	101	65 - 124	7	15
Fluoranthene	6200	F1 F2	1910	8430	F2	ug/Kg	✱	114	62 - 120	40	15
Fluorene	ND	F1	1910	2310	J F1	ug/Kg	✱	121	63 - 120	11	15
Hexachlorobenzene	ND		1910	1950	J	ug/Kg	✱	102	60 - 120	4	15
Hexachlorobutadiene	ND		1910	1790	J	ug/Kg	✱	94	45 - 120	14	44
Hexachlorocyclopentadiene	ND		1910	1110	J	ug/Kg	✱	58	31 - 120	6	49
Hexachloroethane	ND		1910	1580	J	ug/Kg	✱	83	21 - 120	6	46
Indeno[1,2,3-cd]pyrene	1700	J	1910	3690	J	ug/Kg	✱	103	56 - 134	15	15
Isophorone	ND		1910	1650	J	ug/Kg	✱	86	56 - 120	5	17
N-Nitrosodi-n-propylamine	ND		1910	1750	J	ug/Kg	✱	91	46 - 120	5	31
N-Nitrosodiphenylamine	ND		1910	ND		ug/Kg	✱	NC	20 - 128	NC	15
Naphthalene	ND		1910	1960	J	ug/Kg	✱	103	46 - 120	10	29
Nitrobenzene	ND		1910	1690	J	ug/Kg	✱	88	49 - 120	6	24
Pentachlorophenol	ND		3820	ND		ug/Kg	✱	NC	25 - 136	NC	35
Phenanthrene	2200	J F1 F2	1910	4330	F2	ug/Kg	✱	111	60 - 122	34	15
Phenol	ND		1910	1680	J	ug/Kg	✱	88	50 - 120	4	35
Pyrene	4800	F1	1910	6790		ug/Kg	✱	106	61 - 133	33	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Nitrobenzene-d5 (Surr)	80		53 - 120
Phenol-d5 (Surr)	86		54 - 120
p-Terphenyl-d14 (Surr)	96		79 - 130
2,4,6-Tribromophenol (Surr)	59		54 - 120
2-Fluorobiphenyl (Surr)	96		60 - 120
2-Fluorophenol (Surr)	75		52 - 120

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-660538/1-A

Matrix: Solid

Analysis Batch: 660891

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660538

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.048	mg/Kg		03/06/23 09:12	03/08/23 20:01	1
PCB-1221	ND		0.24	0.048	mg/Kg		03/06/23 09:12	03/08/23 20:01	1
PCB-1232	ND		0.24	0.048	mg/Kg		03/06/23 09:12	03/08/23 20:01	1
PCB-1242	ND		0.24	0.048	mg/Kg		03/06/23 09:12	03/08/23 20:01	1

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 480-660538/1-A

Matrix: Solid

Analysis Batch: 660891

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660538

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		0.24	0.048	mg/Kg		03/06/23 09:12	03/08/23 20:01	1
PCB-1254	ND		0.24	0.11	mg/Kg		03/06/23 09:12	03/08/23 20:01	1
PCB-1260	ND		0.24	0.11	mg/Kg		03/06/23 09:12	03/08/23 20:01	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	123		60 - 154				03/06/23 09:12	03/08/23 20:01	1
Tetrachloro-m-xylene	135		60 - 154				03/06/23 09:12	03/08/23 20:01	1
DCB Decachlorobiphenyl	125		65 - 174				03/06/23 09:12	03/08/23 20:01	1
DCB Decachlorobiphenyl	99		65 - 174				03/06/23 09:12	03/08/23 20:01	1

Lab Sample ID: LCS 480-660538/2-A

Matrix: Solid

Analysis Batch: 660891

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 660538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	2.35	3.37		mg/Kg		144	51 - 185
PCB-1260	2.35	3.04		mg/Kg		129	61 - 184
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Tetrachloro-m-xylene	138		60 - 154				
Tetrachloro-m-xylene	144		60 - 154				
DCB Decachlorobiphenyl	137		65 - 174				
DCB Decachlorobiphenyl	110		65 - 174				

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-660669/1-A

Matrix: Solid

Analysis Batch: 661117

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660669

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		9.9	4.3	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Antimony	ND		14.8	0.39	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Arsenic	ND		2.0	0.39	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Barium	ND		0.49	0.11	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Beryllium	ND		0.20	0.028	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Cadmium	ND		0.20	0.030	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Cobalt	ND		0.49	0.049	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Copper	0.361	J	0.99	0.21	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Lead	ND		0.99	0.24	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Magnesium	ND		19.7	0.91	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Nickel	ND		4.9	0.23	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Potassium	ND		29.6	19.7	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Selenium	ND		3.9	0.39	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Silver	ND		0.59	0.20	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Sodium	ND		138	12.8	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Thallium	ND		5.9	0.30	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Vanadium	ND		0.49	0.11	mg/Kg		03/07/23 11:28	03/09/23 17:42	1

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-660669/1-A

Matrix: Solid

Analysis Batch: 661117

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660669

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		2.0	0.63	mg/Kg		03/07/23 11:28	03/09/23 17:42	1

Lab Sample ID: MB 480-660669/1-A

Matrix: Solid

Analysis Batch: 661282

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660669

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	4.34	J	49.3	3.3	mg/Kg		03/07/23 11:28	03/10/23 15:13	1
Chromium	ND		0.49	0.20	mg/Kg		03/07/23 11:28	03/10/23 15:13	1
Iron	ND		9.9	3.5	mg/Kg		03/07/23 11:28	03/10/23 15:13	1
Manganese	0.0464	J	0.20	0.032	mg/Kg		03/07/23 11:28	03/10/23 15:13	1

Lab Sample ID: LCSSRM 480-660669/2-A

Matrix: Solid

Analysis Batch: 661117

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 660669

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	10100	9775		mg/Kg		96.8	37.5 - 114.9
Antimony	234	86.72		mg/Kg		37.1	10.0 - 120.1
Arsenic	129	106.7		mg/Kg		82.7	60.9 - 113.2
Barium	169	142.7		mg/Kg		84.5	68.6 - 114.2
Beryllium	137	110.3		mg/Kg		80.5	66.3 - 110.2
Cadmium	227	175.1		mg/Kg		77.1	64.8 - 110.1
Cobalt	50.0	48.77		mg/Kg		97.5	69.6 - 115.8
Copper	76.0	64.75		mg/Kg		85.2	69.5 - 115.8
Lead	74.8	84.88		mg/Kg		113.5	67.0 - 128.9
Magnesium	2570	2291		mg/Kg		89.1	53.7 - 121.0
Nickel	282	263.9		mg/Kg		93.6	62.1 - 114.9
Potassium	2420	2214		mg/Kg		91.5	46.7 - 113.2
Selenium	246	195.9		mg/Kg		79.7	60.2 - 114.6
Silver	87.5	74.87		mg/Kg		85.6	63.7 - 115.4
Sodium	161	151.5		mg/Kg		94.1	28.6 - 136.0
Thallium	77.4	76.59		mg/Kg		99.0	55.0 - 120.0
Vanadium	201	175.1		mg/Kg		87.1	64.7 - 111.4
Zinc	401	314.6		mg/Kg		78.5	62.8 - 116.7

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-660669/2-A

Matrix: Solid

Analysis Batch: 661282

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 660669

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	5190	4343		mg/Kg		83.7	64.0 - 112.9
Chromium	115	91.64		mg/Kg		79.7	62.4 - 115.7
Iron	15000	15720		mg/Kg		104.8	29.9 - 149.3
Manganese	400	351.2		mg/Kg		87.8	70.5 - 115.8

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-660966/1-A

Matrix: Solid

Analysis Batch: 661106

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660966

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0046	mg/Kg		03/09/23 10:31	03/09/23 13:22	1

Lab Sample ID: LCSSRM 480-660966/2-A ^10

Matrix: Solid

Analysis Batch: 661106

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 660966

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	20.7	13.18		mg/Kg		63.7	38.3 - 110.1

QC Association Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

GC/MS VOA

Analysis Batch: 660558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206629-2	SB-02-5-6	Total/NA	Solid	8260C	660578
480-206629-4	SB-04-8-10	Total/NA	Solid	8260C	660578
480-206629-6	SB-05-5-6	Total/NA	Solid	8260C	660578
MB 480-660578/2-A	Method Blank	Total/NA	Solid	8260C	660578
LCS 480-660578/1-A	Lab Control Sample	Total/NA	Solid	8260C	660578

Prep Batch: 660578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206629-2	SB-02-5-6	Total/NA	Solid	5035A_L	
480-206629-4	SB-04-8-10	Total/NA	Solid	5035A_L	
480-206629-6	SB-05-5-6	Total/NA	Solid	5035A_L	
MB 480-660578/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-660578/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

GC/MS Semi VOA

Prep Batch: 660647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206629-1	SB-02-0-6	Total/NA	Solid	3550C	
480-206629-2	SB-02-5-6	Total/NA	Solid	3550C	
480-206629-3	SB-04-6-12	Total/NA	Solid	3550C	
480-206629-4	SB-04-8-10	Total/NA	Solid	3550C	
480-206629-5	SB-05-6-12	Total/NA	Solid	3550C	
480-206629-6	SB-05-5-6	Total/NA	Solid	3550C	
MB 480-660647/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-660647/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-206629-6 MS	SB-05-5-6	Total/NA	Solid	3550C	
480-206629-6 MSD	SB-05-5-6	Total/NA	Solid	3550C	

Analysis Batch: 660819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206629-1	SB-02-0-6	Total/NA	Solid	8270D	660647
480-206629-2	SB-02-5-6	Total/NA	Solid	8270D	660647
480-206629-3	SB-04-6-12	Total/NA	Solid	8270D	660647
480-206629-4	SB-04-8-10	Total/NA	Solid	8270D	660647
480-206629-5	SB-05-6-12	Total/NA	Solid	8270D	660647
480-206629-6	SB-05-5-6	Total/NA	Solid	8270D	660647
MB 480-660647/1-A	Method Blank	Total/NA	Solid	8270D	660647
LCS 480-660647/2-A	Lab Control Sample	Total/NA	Solid	8270D	660647
480-206629-6 MS	SB-05-5-6	Total/NA	Solid	8270D	660647
480-206629-6 MSD	SB-05-5-6	Total/NA	Solid	8270D	660647

GC Semi VOA

Prep Batch: 660538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206629-1	SB-02-0-6	Total/NA	Solid	3550C	
480-206629-3	SB-04-6-12	Total/NA	Solid	3550C	
480-206629-5	SB-05-6-12	Total/NA	Solid	3550C	
MB 480-660538/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-660538/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Eurofins Buffalo

QC Association Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

GC Semi VOA

Analysis Batch: 660891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206629-1	SB-02-0-6	Total/NA	Solid	8082A	660538
480-206629-3	SB-04-6-12	Total/NA	Solid	8082A	660538
480-206629-5	SB-05-6-12	Total/NA	Solid	8082A	660538
MB 480-660538/1-A	Method Blank	Total/NA	Solid	8082A	660538
LCS 480-660538/2-A	Lab Control Sample	Total/NA	Solid	8082A	660538

Metals

Prep Batch: 660669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206629-1	SB-02-0-6	Total/NA	Solid	3050B	
480-206629-2	SB-02-5-6	Total/NA	Solid	3050B	
480-206629-3	SB-04-6-12	Total/NA	Solid	3050B	
480-206629-4	SB-04-8-10	Total/NA	Solid	3050B	
480-206629-5	SB-05-6-12	Total/NA	Solid	3050B	
480-206629-6	SB-05-5-6	Total/NA	Solid	3050B	
MB 480-660669/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-660669/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 660966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206629-1	SB-02-0-6	Total/NA	Solid	7471B	
480-206629-2	SB-02-5-6	Total/NA	Solid	7471B	
480-206629-3	SB-04-6-12	Total/NA	Solid	7471B	
480-206629-4	SB-04-8-10	Total/NA	Solid	7471B	
480-206629-5	SB-05-6-12	Total/NA	Solid	7471B	
480-206629-6	SB-05-5-6	Total/NA	Solid	7471B	
MB 480-660966/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-660966/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 661106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206629-1	SB-02-0-6	Total/NA	Solid	7471B	660966
480-206629-2	SB-02-5-6	Total/NA	Solid	7471B	660966
480-206629-3	SB-04-6-12	Total/NA	Solid	7471B	660966
480-206629-4	SB-04-8-10	Total/NA	Solid	7471B	660966
480-206629-5	SB-05-6-12	Total/NA	Solid	7471B	660966
480-206629-6	SB-05-5-6	Total/NA	Solid	7471B	660966
MB 480-660966/1-A	Method Blank	Total/NA	Solid	7471B	660966
LCSSRM 480-660966/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	660966

Analysis Batch: 661117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206629-1	SB-02-0-6	Total/NA	Solid	6010C	660669
480-206629-2	SB-02-5-6	Total/NA	Solid	6010C	660669
480-206629-3	SB-04-6-12	Total/NA	Solid	6010C	660669
480-206629-4	SB-04-8-10	Total/NA	Solid	6010C	660669
480-206629-5	SB-05-6-12	Total/NA	Solid	6010C	660669
480-206629-6	SB-05-5-6	Total/NA	Solid	6010C	660669
MB 480-660669/1-A	Method Blank	Total/NA	Solid	6010C	660669
LCSSRM 480-660669/2-A	Lab Control Sample	Total/NA	Solid	6010C	660669

Eurofins Buffalo

QC Association Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Metals

Analysis Batch: 661282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206629-1	SB-02-0-6	Total/NA	Solid	6010C	660669
480-206629-2	SB-02-5-6	Total/NA	Solid	6010C	660669
480-206629-3	SB-04-6-12	Total/NA	Solid	6010C	660669
480-206629-4	SB-04-8-10	Total/NA	Solid	6010C	660669
480-206629-5	SB-05-6-12	Total/NA	Solid	6010C	660669
480-206629-5	SB-05-6-12	Total/NA	Solid	6010C	660669
480-206629-6	SB-05-5-6	Total/NA	Solid	6010C	660669
MB 480-660669/1-A	Method Blank	Total/NA	Solid	6010C	660669
LCSSRM 480-660669/2-A	Lab Control Sample	Total/NA	Solid	6010C	660669

General Chemistry

Analysis Batch: 660475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206629-1	SB-02-0-6	Total/NA	Solid	Moisture	
480-206629-2	SB-02-5-6	Total/NA	Solid	Moisture	
480-206629-3	SB-04-6-12	Total/NA	Solid	Moisture	
480-206629-4	SB-04-8-10	Total/NA	Solid	Moisture	
480-206629-5	SB-05-6-12	Total/NA	Solid	Moisture	
480-206629-6	SB-05-5-6	Total/NA	Solid	Moisture	
480-206629-6 DU	SB-05-5-6	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-02-0-6

Lab Sample ID: 480-206629-1

Date Collected: 03/02/23 08:45

Matrix: Solid

Date Received: 03/03/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	660475	KER	EET BUF	03/03/23 16:32

Client Sample ID: SB-02-0-6

Lab Sample ID: 480-206629-1

Date Collected: 03/02/23 08:45

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			660647	VXF	EET BUF	03/07/23 06:59
Total/NA	Analysis	8270D		10	660819	JMM	EET BUF	03/08/23 13:41
Total/NA	Prep	3550C			660538	JMP	EET BUF	03/06/23 09:12
Total/NA	Analysis	8082A		1	660891	NC	EET BUF	03/09/23 00:29
Total/NA	Prep	3050B			660669	VAK	EET BUF	03/07/23 11:28
Total/NA	Analysis	6010C		1	661117	LMH	EET BUF	03/09/23 17:50
Total/NA	Prep	3050B			660669	VAK	EET BUF	03/07/23 11:28
Total/NA	Analysis	6010C		1	661282	LMH	EET BUF	03/10/23 15:32
Total/NA	Prep	7471B			660966	VAK	EET BUF	03/09/23 10:31
Total/NA	Analysis	7471B		5	661106	LMH	EET BUF	03/09/23 14:27

Client Sample ID: SB-02-5-6

Lab Sample ID: 480-206629-2

Date Collected: 03/02/23 08:52

Matrix: Solid

Date Received: 03/03/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	660475	KER	EET BUF	03/03/23 16:32

Client Sample ID: SB-02-5-6

Lab Sample ID: 480-206629-2

Date Collected: 03/02/23 08:52

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 79.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			660578	LCH	EET BUF	03/03/23 13:00
Total/NA	Analysis	8260C		1	660558	CDC	EET BUF	03/06/23 19:52
Total/NA	Prep	3550C			660647	VXF	EET BUF	03/07/23 06:59
Total/NA	Analysis	8270D		1	660819	JMM	EET BUF	03/08/23 14:05
Total/NA	Prep	3050B			660669	VAK	EET BUF	03/07/23 11:28
Total/NA	Analysis	6010C		1	661117	LMH	EET BUF	03/09/23 17:54
Total/NA	Prep	3050B			660669	VAK	EET BUF	03/07/23 11:28
Total/NA	Analysis	6010C		1	661282	LMH	EET BUF	03/10/23 15:36
Total/NA	Prep	7471B			660966	VAK	EET BUF	03/09/23 10:31
Total/NA	Analysis	7471B		1	661106	LMH	EET BUF	03/09/23 13:41

Lab Chronicle

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-04-6-12

Lab Sample ID: 480-206629-3

Date Collected: 03/02/23 11:41

Matrix: Solid

Date Received: 03/03/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	660475	KER	EET BUF	03/03/23 16:32

Client Sample ID: SB-04-6-12

Lab Sample ID: 480-206629-3

Date Collected: 03/02/23 11:41

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			660647	VXF	EET BUF	03/07/23 06:59
Total/NA	Analysis	8270D		20	660819	JMM	EET BUF	03/08/23 14:29
Total/NA	Prep	3550C			660538	JMP	EET BUF	03/06/23 09:12
Total/NA	Analysis	8082A		1	660891	NC	EET BUF	03/09/23 00:42
Total/NA	Prep	3050B			660669	VAK	EET BUF	03/07/23 11:28
Total/NA	Analysis	6010C		1	661117	LMH	EET BUF	03/09/23 17:58
Total/NA	Prep	3050B			660669	VAK	EET BUF	03/07/23 11:28
Total/NA	Analysis	6010C		1	661282	LMH	EET BUF	03/10/23 15:40
Total/NA	Prep	7471B			660966	VAK	EET BUF	03/09/23 10:31
Total/NA	Analysis	7471B		1	661106	LMH	EET BUF	03/09/23 13:42

Client Sample ID: SB-04-8-10

Lab Sample ID: 480-206629-4

Date Collected: 03/02/23 12:34

Matrix: Solid

Date Received: 03/03/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	660475	KER	EET BUF	03/03/23 16:32

Client Sample ID: SB-04-8-10

Lab Sample ID: 480-206629-4

Date Collected: 03/02/23 12:34

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			660578	LCH	EET BUF	03/03/23 13:00
Total/NA	Analysis	8260C		1	660558	CDC	EET BUF	03/06/23 20:16
Total/NA	Prep	3550C			660647	VXF	EET BUF	03/07/23 06:59
Total/NA	Analysis	8270D		10	660819	JMM	EET BUF	03/08/23 14:53
Total/NA	Prep	3050B			660669	VAK	EET BUF	03/07/23 11:28
Total/NA	Analysis	6010C		1	661117	LMH	EET BUF	03/09/23 18:02
Total/NA	Prep	3050B			660669	VAK	EET BUF	03/07/23 11:28
Total/NA	Analysis	6010C		1	661282	LMH	EET BUF	03/10/23 15:44
Total/NA	Prep	7471B			660966	VAK	EET BUF	03/09/23 10:31
Total/NA	Analysis	7471B		1	661106	LMH	EET BUF	03/09/23 13:44

Lab Chronicle

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Client Sample ID: SB-05-6-12

Lab Sample ID: 480-206629-5

Date Collected: 03/02/23 14:40

Matrix: Solid

Date Received: 03/03/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	660475	KER	EET BUF	03/03/23 16:32

Client Sample ID: SB-05-6-12

Lab Sample ID: 480-206629-5

Date Collected: 03/02/23 14:40

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 95.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			660647	VXF	EET BUF	03/07/23 06:59
Total/NA	Analysis	8270D		10	660819	JMM	EET BUF	03/08/23 15:17
Total/NA	Prep	3550C			660538	JMP	EET BUF	03/06/23 09:12
Total/NA	Analysis	8082A		5	660891	NC	EET BUF	03/09/23 00:56
Total/NA	Prep	3050B			660669	VAK	EET BUF	03/07/23 11:28
Total/NA	Analysis	6010C		1	661117	LMH	EET BUF	03/09/23 18:17
Total/NA	Prep	3050B			660669	VAK	EET BUF	03/07/23 11:28
Total/NA	Analysis	6010C		1	661282	LMH	EET BUF	03/10/23 16:00
Total/NA	Prep	3050B			660669	VAK	EET BUF	03/07/23 11:28
Total/NA	Analysis	6010C		5	661282	LMH	EET BUF	03/10/23 16:03
Total/NA	Prep	7471B			660966	VAK	EET BUF	03/09/23 10:31
Total/NA	Analysis	7471B		1	661106	LMH	EET BUF	03/09/23 13:45

Client Sample ID: SB-05-5-6

Lab Sample ID: 480-206629-6

Date Collected: 03/02/23 14:45

Matrix: Solid

Date Received: 03/03/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	660475	KER	EET BUF	03/03/23 16:32

Client Sample ID: SB-05-5-6

Lab Sample ID: 480-206629-6

Date Collected: 03/02/23 14:45

Matrix: Solid

Date Received: 03/03/23 11:00

Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			660578	LCH	EET BUF	03/03/23 13:00
Total/NA	Analysis	8260C		1	660558	CDC	EET BUF	03/06/23 20:40
Total/NA	Prep	3550C			660647	VXF	EET BUF	03/07/23 06:59
Total/NA	Analysis	8270D		20	660819	JMM	EET BUF	03/08/23 13:16
Total/NA	Prep	3050B			660669	VAK	EET BUF	03/07/23 11:28
Total/NA	Analysis	6010C		1	661117	LMH	EET BUF	03/09/23 18:21
Total/NA	Prep	3050B			660669	VAK	EET BUF	03/07/23 11:28
Total/NA	Analysis	6010C		1	661282	LMH	EET BUF	03/10/23 16:07
Total/NA	Prep	7471B			660966	VAK	EET BUF	03/09/23 10:31
Total/NA	Analysis	7471B		1	661106	LMH	EET BUF	03/09/23 13:46

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Eurofins Buffalo

Accreditation/Certification Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_L	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206629-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-206629-1	SB-02-0-6	Solid	03/02/23 08:45	03/03/23 11:00
480-206629-2	SB-02-5-6	Solid	03/02/23 08:52	03/03/23 11:00
480-206629-3	SB-04-6-12	Solid	03/02/23 11:41	03/03/23 11:00
480-206629-4	SB-04-8-10	Solid	03/02/23 12:34	03/03/23 11:00
480-206629-5	SB-05-6-12	Solid	03/02/23 14:40	03/03/23 11:00
480-206629-6	SB-05-5-6	Solid	03/02/23 14:45	03/03/23 11:00

Eurofins Buffalo

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

Syracuse eurofins

Environment Testing

Client Information		Sampler: <u>G. Fischer</u>		Lab PM: Fischer, Brian J		Carrier Tracking # <u>225</u>		COC No: 480-182670-38789.2	
Client Contact: Mr. George Fischer		Phone: <u>315 5690474</u>		E-Mail: Brian.Fischer@et.eurofinsus.com		State of Origin: <u>NY</u>		Page: <u>1 of 1</u>	
Company: Asbestos & Environmental Consulting Corp		Address: 6308 Fly Road		City: East Syracuse		State, Zip: NY, 13057		Due Date Requested:	
Phone: 315-432-9400(Tel)		Email: gfischer@aecgroup.com		Project Name: JP O'Brien - Utica, NY - Phase II ESA		Site:		TAT Requested (days): <u>10 day</u>	
Compliance Project: ☐ Yes ☐ No		PO #:		Purchase Order Requested		WO #:		Project #: 48026197	
SSOW#:		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		8260C - (MOD) TCL list OLM04.2		8010C, 7471B, Moisture	
8082A, 8270D		8082A - TCL PCBs - OLM04.2		8270D - TCL SVOA - OLM04.2		6010C, 7470A		8260C - TCL list OLM04.2	
Total Number of Co		Special Instructions/Note:		Preservation Codes:		A - HCL		M - Hexane	
B - NaOH		N - None		C - Zn Acetate		O - AsNaO2		P - Na2O4S	
Barcode: 480-206629 Chain of Custody									
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	
SB-02-0-6"		3/2/23		0845		G		Solid	
SB-02-5-6"				852				Solid	
SB-04-6-12"				11:41				Solid	
SB-04-8-10"				12:34				Solid	
SB-05-6-12"				1440				Solid	
SB-05-5-6"				1445				Water	
								Water	
								Water	
Possible Hazard Identification		☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months		Special Instructions/QC Requirements:	
Deliverable Requested: I, II, III, IV, Other (specify)		Empty Kit Relinquished by: <u>[Signature]</u>		Date: <u>3/2/23 16:45</u>		Time: <u>16:45</u>		Method of Shipment:	
Relinquished by: <u>[Signature]</u>		Date/Time: <u>3-2-23, 16:45</u>		Company: <u>HELL</u>		Received by: <u>[Signature]</u>		Date/Time: <u>3-2-23, 16:45</u>	
Relinquished by: <u>[Signature]</u>		Date/Time: <u>3-2-23, 1900</u>		Company: <u>[Signature]</u>		Received by: <u>[Signature]</u>		Date/Time: <u>3/3/23 1/00</u>	
Relinquished by: <u>[Signature]</u>		Date/Time: <u>3-2-23, 1900</u>		Company: <u>[Signature]</u>		Received by: <u>[Signature]</u>		Date/Time: <u>3/3/23 1/00</u>	
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <u>#13.4</u>					

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Asbestos & Environmental Consulting Corp

Job Number: 480-206629-1

Login Number: 206629

List Source: Eurofins Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	FREEZE TIME 3/3/23 13:00
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. George Fischer
Asbestos & Environmental Consulting Corp
6308 Fly Road
East Syracuse, New York 13057

Generated 3/16/2023 10:55:17 AM

JOB DESCRIPTION

JP O'Brien - Utica, NY - Phase II ESA

JOB NUMBER

480-206657-1

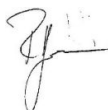
Eurofins Buffalo

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Buffalo and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Buffalo Project Manager or designee who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
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Definitions/Glossary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Job ID: 480-206657-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative 480-206657-1

Comments

No additional comments.

Receipt

The samples were received on 3/4/2023 11:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.2° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The following samples were diluted due to color, appearance, and viscosity: SB 07-0-6" (480-206657-1) and SB 08-12-18" (480-206657-3). Elevated reporting limits (RL) are provided.

Method 8270D: The following sample required a dilution due to the nature of the sample matrix: SB 08-12-18" (480-206657-3). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: SB 07-0-6" (480-206657-1). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

Method 6010C: The serial dilution and post spike (480-206657-A-1-C PDS) and (480-206657-A-1-C SD ^5), associated with batch 480-660669, exceeded the quality control limits for Total Magnesium and Zinc. Sample matrix is suspected, therefore, no corrective action was necessary.

Method 6010C: The serial dilution (480-206657-A-1-C SD ^5) associated with batch 480-661117, exhibited results outside the quality control limits for Total Potassium and Vanadium. However, the post digestion spike (PDS) was compliant, therefore no corrective action was necessary.

Method 6010C: The following sample was diluted due to the presence of Total Calcium which interferes with Copper: SB 08-12-18" (480-206657-3). Elevated reporting limits (RLs) are provided.

Method 6010C: The serial dilution and post spike (480-206657-A-1-C PDS) and (480-206657-A-1-C SD ^5), associated with batch 480-660669, exceeded the quality control limits for Total Aluminum, Barium, Calcium, Chromium, and Iron. Sample matrix is suspected, therefore, no corrective action was necessary.

Method 6010C: The serial dilution (480-206657-A-1-C SD ^5) associated with batch 480-661282, exhibited a result outside the quality control limits for Total Manganese. However, the post digestion spike (PDS) was compliant, therefore no corrective action was necessary.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Client Sample ID: SB 07-0-6"

Lab Sample ID: 480-206657-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	720	J	2300	230	ug/Kg	10	✱	8270D	Total/NA
Benzo[a]pyrene	790	J	2300	340	ug/Kg	10	✱	8270D	Total/NA
Benzo[b]fluoranthene	980	J	2300	370	ug/Kg	10	✱	8270D	Total/NA
Benzo[g,h,i]perylene	450	J	2300	250	ug/Kg	10	✱	8270D	Total/NA
Benzo[k]fluoranthene	390	J	2300	300	ug/Kg	10	✱	8270D	Total/NA
Chrysene	820	J	2300	520	ug/Kg	10	✱	8270D	Total/NA
Fluoranthene	1800	J	2300	250	ug/Kg	10	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	410	J	2300	290	ug/Kg	10	✱	8270D	Total/NA
Phenanthrene	1400	J	2300	340	ug/Kg	10	✱	8270D	Total/NA
Pyrene	1300	J	2300	270	ug/Kg	10	✱	8270D	Total/NA
Aluminum	16300		14.1	6.2	mg/Kg	1	✱	6010C	Total/NA
Antimony	1.2	J F1	21.2	0.57	mg/Kg	1	✱	6010C	Total/NA
Arsenic	8.2		2.8	0.57	mg/Kg	1	✱	6010C	Total/NA
Barium	107	F1	0.71	0.16	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.86		0.28	0.040	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.47		0.28	0.042	mg/Kg	1	✱	6010C	Total/NA
Calcium	16000	B	70.7	4.7	mg/Kg	1	✱	6010C	Total/NA
Chromium	22.7		0.71	0.28	mg/Kg	1	✱	6010C	Total/NA
Cobalt	11.4		0.71	0.071	mg/Kg	1	✱	6010C	Total/NA
Copper	41.2	B	1.4	0.30	mg/Kg	1	✱	6010C	Total/NA
Iron	25300		14.1	4.9	mg/Kg	1	✱	6010C	Total/NA
Lead	149	F1	1.4	0.34	mg/Kg	1	✱	6010C	Total/NA
Magnesium	6530	F1	28.3	1.3	mg/Kg	1	✱	6010C	Total/NA
Manganese	673	B	0.28	0.045	mg/Kg	1	✱	6010C	Total/NA
Nickel	30.5		7.1	0.33	mg/Kg	1	✱	6010C	Total/NA
Potassium	2870	F1	42.4	28.3	mg/Kg	1	✱	6010C	Total/NA
Selenium	0.57	J	5.7	0.57	mg/Kg	1	✱	6010C	Total/NA
Sodium	321		198	18.4	mg/Kg	1	✱	6010C	Total/NA
Vanadium	36.4	F1	0.71	0.16	mg/Kg	1	✱	6010C	Total/NA
Zinc	103	F1 F2	2.8	0.90	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.12		0.028	0.0065	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: SB 07-8-8.5'

Lab Sample ID: 480-206657-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	36	J	190	28	ug/Kg	1	✱	8270D	Total/NA
Anthracene	100	J	190	48	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]anthracene	210		190	19	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	190		190	28	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	220		190	31	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene	100	J	190	20	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene	100	J	190	25	ug/Kg	1	✱	8270D	Total/NA
Carbazole	59	J	190	23	ug/Kg	1	✱	8270D	Total/NA
Chrysene	210		190	43	ug/Kg	1	✱	8270D	Total/NA
Dibenz(a,h)anthracene	35	J	190	34	ug/Kg	1	✱	8270D	Total/NA
Dibenzofuran	32	J	190	23	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	420		190	20	ug/Kg	1	✱	8270D	Total/NA
Fluorene	50	J	190	23	ug/Kg	1	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	100	J	190	24	ug/Kg	1	✱	8270D	Total/NA
Naphthalene	37	J	190	25	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene	410		190	28	ug/Kg	1	✱	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Client Sample ID: SB 07-8-8.5' (Continued)

Lab Sample ID: 480-206657-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Pyrene	350		190	23	ug/Kg	1		✱	8270D	Total/NA
Aluminum	10800		11.1	4.9	mg/Kg	1		✱	6010C	Total/NA
Antimony	1.1	J	16.7	0.44	mg/Kg	1		✱	6010C	Total/NA
Arsenic	7.0		2.2	0.44	mg/Kg	1		✱	6010C	Total/NA
Barium	40.7		0.56	0.12	mg/Kg	1		✱	6010C	Total/NA
Beryllium	0.43		0.22	0.031	mg/Kg	1		✱	6010C	Total/NA
Calcium	35000	B	55.6	3.7	mg/Kg	1		✱	6010C	Total/NA
Chromium	12.4		0.56	0.22	mg/Kg	1		✱	6010C	Total/NA
Cobalt	7.8		0.56	0.056	mg/Kg	1		✱	6010C	Total/NA
Copper	26.0	B	1.1	0.23	mg/Kg	1		✱	6010C	Total/NA
Iron	23000		11.1	3.9	mg/Kg	1		✱	6010C	Total/NA
Lead	11.8		1.1	0.27	mg/Kg	1		✱	6010C	Total/NA
Magnesium	10200		22.2	1.0	mg/Kg	1		✱	6010C	Total/NA
Manganese	368	B	0.22	0.036	mg/Kg	1		✱	6010C	Total/NA
Nickel	17.8		5.6	0.26	mg/Kg	1		✱	6010C	Total/NA
Potassium	2290		33.4	22.2	mg/Kg	1		✱	6010C	Total/NA
Sodium	181		156	14.5	mg/Kg	1		✱	6010C	Total/NA
Vanadium	21.7		0.56	0.12	mg/Kg	1		✱	6010C	Total/NA
Zinc	56.2		2.2	0.71	mg/Kg	1		✱	6010C	Total/NA
Mercury	0.064		0.024	0.0054	mg/Kg	1		✱	7471B	Total/NA

Client Sample ID: SB 08-12-18"

Lab Sample ID: 480-206657-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Aluminum	1910		11.3	5.0	mg/Kg	1		✱	6010C	Total/NA
Arsenic	2.1	J	2.3	0.45	mg/Kg	1		✱	6010C	Total/NA
Barium	7.3		0.56	0.12	mg/Kg	1		✱	6010C	Total/NA
Beryllium	0.13	J	0.23	0.032	mg/Kg	1		✱	6010C	Total/NA
Calcium	325000	B	282	18.6	mg/Kg	5		✱	6010C	Total/NA
Chromium	4.3		0.56	0.23	mg/Kg	1		✱	6010C	Total/NA
Cobalt	1.3		0.56	0.056	mg/Kg	1		✱	6010C	Total/NA
Copper	4.8	J B	5.6	1.2	mg/Kg	5		✱	6010C	Total/NA
Iron	2570		11.3	4.0	mg/Kg	1		✱	6010C	Total/NA
Lead	6.4		1.1	0.27	mg/Kg	1		✱	6010C	Total/NA
Magnesium	8130		22.6	1.0	mg/Kg	1		✱	6010C	Total/NA
Manganese	239	B	0.23	0.036	mg/Kg	1		✱	6010C	Total/NA
Nickel	3.5	J	5.6	0.26	mg/Kg	1		✱	6010C	Total/NA
Potassium	1080		33.9	22.6	mg/Kg	1		✱	6010C	Total/NA
Sodium	253		158	14.7	mg/Kg	1		✱	6010C	Total/NA
Vanadium	15.7		0.56	0.12	mg/Kg	1		✱	6010C	Total/NA
Zinc	8.4		2.3	0.72	mg/Kg	1		✱	6010C	Total/NA

Client Sample ID: SB 08-8-9'

Lab Sample ID: 480-206657-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acetone	19	J	26	4.3	ug/Kg	1		✱	8260C	Total/NA
Aluminum	9560		11.9	5.2	mg/Kg	1		✱	6010C	Total/NA
Arsenic	6.4		2.4	0.48	mg/Kg	1		✱	6010C	Total/NA
Barium	44.3		0.60	0.13	mg/Kg	1		✱	6010C	Total/NA
Beryllium	0.45		0.24	0.033	mg/Kg	1		✱	6010C	Total/NA
Calcium	27400	B	59.5	3.9	mg/Kg	1		✱	6010C	Total/NA
Chromium	11.2		0.60	0.24	mg/Kg	1		✱	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Client Sample ID: SB 08-8-9' (Continued)

Lab Sample ID: 480-206657-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Cobalt	7.1		0.60	0.060	mg/Kg	1	✱		6010C	Total/NA
Copper	18.5	B	1.2	0.25	mg/Kg	1	✱		6010C	Total/NA
Iron	16100		11.9	4.2	mg/Kg	1	✱		6010C	Total/NA
Lead	4.9		1.2	0.29	mg/Kg	1	✱		6010C	Total/NA
Magnesium	10900		23.8	1.1	mg/Kg	1	✱		6010C	Total/NA
Manganese	543	B	0.24	0.038	mg/Kg	1	✱		6010C	Total/NA
Nickel	15.5		6.0	0.27	mg/Kg	1	✱		6010C	Total/NA
Potassium	2600		35.7	23.8	mg/Kg	1	✱		6010C	Total/NA
Sodium	295		167	15.5	mg/Kg	1	✱		6010C	Total/NA
Vanadium	18.9		0.60	0.13	mg/Kg	1	✱		6010C	Total/NA
Zinc	29.3		2.4	0.76	mg/Kg	1	✱		6010C	Total/NA
Mercury	0.014	J	0.026	0.0059	mg/Kg	1	✱		7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Client Sample ID: SB 07-0-6"

Lab Sample ID: 480-206657-1

Date Collected: 03/03/23 10:22

Matrix: Solid

Date Received: 03/04/23 11:00

Percent Solids: 71.5

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2300	340	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
bis (2-chloroisopropyl) ether	ND		2300	460	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
2,4,5-Trichlorophenol	ND		2300	630	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
2,4,6-Trichlorophenol	ND		2300	460	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
2,4-Dichlorophenol	ND		2300	250	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
2,4-Dimethylphenol	ND		2300	560	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
2,4-Dinitrophenol	ND		23000	11000	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
2,4-Dinitrotoluene	ND		2300	480	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
2,6-Dinitrotoluene	ND		2300	270	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
2-Chloronaphthalene	ND		2300	380	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
2-Chlorophenol	ND		4500	420	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
2-Methylphenol	ND		2300	270	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
2-Methylnaphthalene	ND		2300	460	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
2-Nitroaniline	ND		4500	340	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
2-Nitrophenol	ND		2300	650	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
3,3'-Dichlorobenzidine	ND		4500	2700	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
3-Nitroaniline	ND		4500	640	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
4,6-Dinitro-2-methylphenol	ND		4500	2300	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
4-Bromophenyl phenyl ether	ND		2300	330	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
4-Chloro-3-methylphenol	ND		2300	570	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
4-Chloroaniline	ND		2300	570	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
4-Chlorophenyl phenyl ether	ND		2300	290	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
4-Methylphenol	ND		4500	270	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
4-Nitroaniline	ND		4500	1200	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
4-Nitrophenol	ND		4500	1600	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
Acenaphthene	ND		2300	340	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
Acenaphthylene	ND		2300	300	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
Acetophenone	ND		2300	310	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
Anthracene	ND		2300	570	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
Atrazine	ND		2300	800	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
Benzaldehyde	ND		2300	1800	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
Benzo[a]anthracene	720	J	2300	230	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
Benzo[a]pyrene	790	J	2300	340	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
Benzo[b]fluoranthene	980	J	2300	370	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
Benzo[g,h,i]perylene	450	J	2300	250	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
Benzo[k]fluoranthene	390	J	2300	300	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
Bis(2-chloroethoxy)methane	ND		2300	490	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
Bis(2-chloroethyl)ether	ND		2300	300	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
Bis(2-ethylhexyl) phthalate	ND		2300	790	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
Butyl benzyl phthalate	ND		2300	380	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
Caprolactam	ND		2300	700	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
Carbazole	ND		2300	270	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
Chrysene	820	J	2300	520	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
Dibenz(a,h)anthracene	ND		2300	410	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
Di-n-butyl phthalate	ND		2300	400	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
Di-n-octyl phthalate	ND		2300	270	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
Dibenzofuran	ND		2300	270	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
Diethyl phthalate	ND		2300	300	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10
Dimethyl phthalate	ND		2300	270	ug/Kg	☆	03/07/23 06:59	03/08/23 15:41	10

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Client Sample ID: SB 07-0-6"

Lab Sample ID: 480-206657-1

Date Collected: 03/03/23 10:22

Matrix: Solid

Date Received: 03/04/23 11:00

Percent Solids: 71.5

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	1800	J	2300	250	ug/Kg	☼	03/07/23 06:59	03/08/23 15:41	10
Fluorene	ND		2300	270	ug/Kg	☼	03/07/23 06:59	03/08/23 15:41	10
Hexachlorobenzene	ND		2300	310	ug/Kg	☼	03/07/23 06:59	03/08/23 15:41	10
Hexachlorobutadiene	ND		2300	340	ug/Kg	☼	03/07/23 06:59	03/08/23 15:41	10
Hexachlorocyclopentadiene	ND		2300	310	ug/Kg	☼	03/07/23 06:59	03/08/23 15:41	10
Hexachloroethane	ND		2300	300	ug/Kg	☼	03/07/23 06:59	03/08/23 15:41	10
Indeno[1,2,3-cd]pyrene	410	J	2300	290	ug/Kg	☼	03/07/23 06:59	03/08/23 15:41	10
Isophorone	ND		2300	490	ug/Kg	☼	03/07/23 06:59	03/08/23 15:41	10
N-Nitrosodi-n-propylamine	ND		2300	400	ug/Kg	☼	03/07/23 06:59	03/08/23 15:41	10
N-Nitrosodiphenylamine	ND		2300	1900	ug/Kg	☼	03/07/23 06:59	03/08/23 15:41	10
Naphthalene	ND		2300	300	ug/Kg	☼	03/07/23 06:59	03/08/23 15:41	10
Nitrobenzene	ND		2300	260	ug/Kg	☼	03/07/23 06:59	03/08/23 15:41	10
Pentachlorophenol	ND		4500	2300	ug/Kg	☼	03/07/23 06:59	03/08/23 15:41	10
Phenanthrene	1400	J	2300	340	ug/Kg	☼	03/07/23 06:59	03/08/23 15:41	10
Phenol	ND		2300	350	ug/Kg	☼	03/07/23 06:59	03/08/23 15:41	10
Pyrene	1300	J	2300	270	ug/Kg	☼	03/07/23 06:59	03/08/23 15:41	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	66		53 - 120	03/07/23 06:59	03/08/23 15:41	10
Phenol-d5 (Surr)	71		54 - 120	03/07/23 06:59	03/08/23 15:41	10
p-Terphenyl-d14 (Surr)	76	S1-	79 - 130	03/07/23 06:59	03/08/23 15:41	10
2,4,6-Tribromophenol (Surr)	63		54 - 120	03/07/23 06:59	03/08/23 15:41	10
2-Fluorobiphenyl (Surr)	73		60 - 120	03/07/23 06:59	03/08/23 15:41	10
2-Fluorophenol (Surr)	63		52 - 120	03/07/23 06:59	03/08/23 15:41	10

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.34	0.066	mg/Kg	☼	03/06/23 09:12	03/09/23 01:23	1
PCB-1221	ND		0.34	0.066	mg/Kg	☼	03/06/23 09:12	03/09/23 01:23	1
PCB-1232	ND		0.34	0.066	mg/Kg	☼	03/06/23 09:12	03/09/23 01:23	1
PCB-1242	ND		0.34	0.066	mg/Kg	☼	03/06/23 09:12	03/09/23 01:23	1
PCB-1248	ND		0.34	0.066	mg/Kg	☼	03/06/23 09:12	03/09/23 01:23	1
PCB-1254	ND		0.34	0.16	mg/Kg	☼	03/06/23 09:12	03/09/23 01:23	1
PCB-1260	ND		0.34	0.16	mg/Kg	☼	03/06/23 09:12	03/09/23 01:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	109		60 - 154	03/06/23 09:12	03/09/23 01:23	1
Tetrachloro-m-xylene	122		60 - 154	03/06/23 09:12	03/09/23 01:23	1
DCB Decachlorobiphenyl	95		65 - 174	03/06/23 09:12	03/09/23 01:23	1
DCB Decachlorobiphenyl	75		65 - 174	03/06/23 09:12	03/09/23 01:23	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	16300		14.1	6.2	mg/Kg	☼	03/07/23 11:28	03/10/23 16:46	1
Antimony	1.2	J F1	21.2	0.57	mg/Kg	☼	03/07/23 11:28	03/09/23 18:48	1
Arsenic	8.2		2.8	0.57	mg/Kg	☼	03/07/23 11:28	03/09/23 18:48	1
Barium	107	F1	0.71	0.16	mg/Kg	☼	03/07/23 11:28	03/10/23 16:46	1
Beryllium	0.86		0.28	0.040	mg/Kg	☼	03/07/23 11:28	03/09/23 18:48	1
Cadmium	0.47		0.28	0.042	mg/Kg	☼	03/07/23 11:28	03/09/23 18:48	1
Calcium	16000	B	70.7	4.7	mg/Kg	☼	03/07/23 11:28	03/10/23 16:46	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Client Sample ID: SB 07-0-6"

Lab Sample ID: 480-206657-1

Date Collected: 03/03/23 10:22

Matrix: Solid

Date Received: 03/04/23 11:00

Percent Solids: 71.5

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	22.7		0.71	0.28	mg/Kg	✱	03/07/23 11:28	03/10/23 16:46	1
Cobalt	11.4		0.71	0.071	mg/Kg	✱	03/07/23 11:28	03/09/23 18:48	1
Copper	41.2	B	1.4	0.30	mg/Kg	✱	03/07/23 11:28	03/09/23 18:48	1
Iron	25300		14.1	4.9	mg/Kg	✱	03/07/23 11:28	03/10/23 16:46	1
Lead	149	F1	1.4	0.34	mg/Kg	✱	03/07/23 11:28	03/09/23 18:48	1
Magnesium	6530	F1	28.3	1.3	mg/Kg	✱	03/07/23 11:28	03/09/23 18:48	1
Manganese	673	B	0.28	0.045	mg/Kg	✱	03/07/23 11:28	03/10/23 16:46	1
Nickel	30.5		7.1	0.33	mg/Kg	✱	03/07/23 11:28	03/09/23 18:48	1
Potassium	2870	F1	42.4	28.3	mg/Kg	✱	03/07/23 11:28	03/09/23 18:48	1
Selenium	0.57	J	5.7	0.57	mg/Kg	✱	03/07/23 11:28	03/09/23 18:48	1
Silver	ND		0.85	0.28	mg/Kg	✱	03/07/23 11:28	03/09/23 18:48	1
Sodium	321		198	18.4	mg/Kg	✱	03/07/23 11:28	03/09/23 18:48	1
Thallium	ND		8.5	0.42	mg/Kg	✱	03/07/23 11:28	03/09/23 18:48	1
Vanadium	36.4	F1	0.71	0.16	mg/Kg	✱	03/07/23 11:28	03/09/23 18:48	1
Zinc	103	F1 F2	2.8	0.90	mg/Kg	✱	03/07/23 11:28	03/09/23 18:48	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12		0.028	0.0065	mg/Kg	✱	03/14/23 10:52	03/14/23 13:33	1

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Client Sample ID: SB 07-8-8.5'

Lab Sample ID: 480-206657-2

Date Collected: 03/03/23 10:30

Matrix: Solid

Date Received: 03/04/23 11:00

Percent Solids: 87.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.4	0.39	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
1,1,2,2-Tetrachloroethane	ND		5.4	0.87	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
1,1,2-Trichloroethane	ND		5.4	0.70	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
1,1-Dichloroethane	ND		5.4	0.65	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
1,1-Dichloroethene	ND		5.4	0.66	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
1,2,4-Trichlorobenzene	ND		5.4	0.33	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
1,2-Dibromo-3-Chloropropane	ND		5.4	2.7	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
1,2-Dibromoethane	ND		5.4	0.69	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
1,2-Dichlorobenzene	ND		5.4	0.42	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
1,2-Dichloroethane	ND		5.4	0.27	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
1,2-Dichloropropane	ND		5.4	2.7	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
1,3-Dichlorobenzene	ND		5.4	0.28	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
1,4-Dichlorobenzene	ND		5.4	0.75	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
2-Butanone (MEK)	ND		27	2.0	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
2-Hexanone	ND		27	2.7	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.8	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Acetone	ND		27	4.5	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Benzene	ND		5.4	0.26	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Bromodichloromethane	ND		5.4	0.72	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Bromoform	ND		5.4	2.7	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Bromomethane	ND		5.4	0.48	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Carbon disulfide	ND		5.4	2.7	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Carbon tetrachloride	ND		5.4	0.52	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Chlorobenzene	ND		5.4	0.71	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Chloroethane	ND		5.4	1.2	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Chloroform	ND		5.4	0.33	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Chloromethane	ND		5.4	0.32	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
cis-1,2-Dichloroethene	ND		5.4	0.69	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
cis-1,3-Dichloropropene	ND		5.4	0.77	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Cyclohexane	ND		5.4	0.75	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Dibromochloromethane	ND		5.4	0.69	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Dichlorodifluoromethane	ND		5.4	0.44	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Ethylbenzene	ND		5.4	0.37	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Isopropylbenzene	ND		5.4	0.81	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Methyl acetate	ND		27	3.2	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Methyl tert-butyl ether	ND		5.4	0.53	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Methylcyclohexane	ND		5.4	0.81	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Methylene Chloride	ND		5.4	2.5	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Styrene	ND		5.4	0.27	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Tetrachloroethene	ND		5.4	0.72	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Toluene	ND		5.4	0.40	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
trans-1,2-Dichloroethene	ND		5.4	0.55	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Trichloroethene	ND		5.4	1.2	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Trichlorofluoromethane	ND		5.4	0.51	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Vinyl chloride	ND		5.4	0.65	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1
Xylenes, Total	ND		11	0.90	ug/Kg	☆	03/04/23 12:00	03/06/23 21:05	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Client Sample ID: SB 07-8-8.5'

Lab Sample ID: 480-206657-2

Date Collected: 03/03/23 10:30

Matrix: Solid

Date Received: 03/04/23 11:00

Percent Solids: 87.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		64 - 126	03/04/23 12:00	03/06/23 21:05	1
4-Bromofluorobenzene (Surr)	97		72 - 126	03/04/23 12:00	03/06/23 21:05	1
Dibromofluoromethane (Surr)	103		60 - 140	03/04/23 12:00	03/06/23 21:05	1
Toluene-d8 (Surr)	99		71 - 125	03/04/23 12:00	03/06/23 21:05	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		190	28	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
bis (2-chloroisopropyl) ether	ND		190	39	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
2,4,5-Trichlorophenol	ND		190	52	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
2,4,6-Trichlorophenol	ND		190	39	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
2,4-Dichlorophenol	ND		190	20	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
2,4-Dimethylphenol	ND		190	46	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
2,4-Dinitrophenol	ND		1900	890	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
2,4-Dinitrotoluene	ND		190	40	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
2,6-Dinitrotoluene	ND		190	23	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
2-Chloronaphthalene	ND		190	32	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
2-Chlorophenol	ND		370	35	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
2-Methylphenol	ND		190	23	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
2-Methylnaphthalene	ND		190	39	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
2-Nitroaniline	ND		370	28	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
2-Nitrophenol	ND		190	54	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
3,3'-Dichlorobenzidine	ND		370	230	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
3-Nitroaniline	ND		370	53	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
4,6-Dinitro-2-methylphenol	ND		370	190	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
4-Bromophenyl phenyl ether	ND		190	27	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
4-Chloro-3-methylphenol	ND		190	48	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
4-Chloroaniline	ND		190	48	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
4-Chlorophenyl phenyl ether	ND		190	24	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
4-Methylphenol	ND		370	23	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
4-Nitroaniline	ND		370	100	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
4-Nitrophenol	ND		370	130	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Acenaphthene	36	J	190	28	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Acenaphthylene	ND		190	25	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Acetophenone	ND		190	26	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Anthracene	100	J	190	48	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Atrazine	ND		190	67	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Benzaldehyde	ND		190	150	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Benzo[a]anthracene	210		190	19	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Benzo[a]pyrene	190		190	28	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Benzo[b]fluoranthene	220		190	31	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Benzo[g,h,i]perylene	100	J	190	20	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Benzo[k]fluoranthene	100	J	190	25	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Bis(2-chloroethoxy)methane	ND		190	41	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Bis(2-chloroethyl)ether	ND		190	25	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Bis(2-ethylhexyl) phthalate	ND		190	66	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Butyl benzyl phthalate	ND		190	32	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Caprolactam	ND		190	58	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Carbazole	59	J	190	23	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Chrysene	210		190	43	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Client Sample ID: SB 07-8-8.5'

Lab Sample ID: 480-206657-2

Date Collected: 03/03/23 10:30

Matrix: Solid

Date Received: 03/04/23 11:00

Percent Solids: 87.1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	35	J	190	34	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Di-n-butyl phthalate	ND		190	33	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Di-n-octyl phthalate	ND		190	23	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Dibenzofuran	32	J	190	23	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Diethyl phthalate	ND		190	25	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Dimethyl phthalate	ND		190	23	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Fluoranthene	420		190	20	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Fluorene	50	J	190	23	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Hexachlorobenzene	ND		190	26	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Hexachlorobutadiene	ND		190	28	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Hexachlorocyclopentadiene	ND		190	26	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Hexachloroethane	ND		190	25	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Indeno[1,2,3-cd]pyrene	100	J	190	24	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Isophorone	ND		190	41	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
N-Nitrosodi-n-propylamine	ND		190	33	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
N-Nitrosodiphenylamine	ND		190	160	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Naphthalene	37	J	190	25	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Nitrobenzene	ND		190	22	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Pentachlorophenol	ND		370	190	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Phenanthrene	410		190	28	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Phenol	ND		190	29	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1
Pyrene	350		190	23	ug/Kg	☆	03/07/23 06:59	03/08/23 16:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	80		53 - 120	03/07/23 06:59	03/08/23 16:05	1
Phenol-d5 (Surr)	79		54 - 120	03/07/23 06:59	03/08/23 16:05	1
p-Terphenyl-d14 (Surr)	89		79 - 130	03/07/23 06:59	03/08/23 16:05	1
2,4,6-Tribromophenol (Surr)	71		54 - 120	03/07/23 06:59	03/08/23 16:05	1
2-Fluorobiphenyl (Surr)	83		60 - 120	03/07/23 06:59	03/08/23 16:05	1
2-Fluorophenol (Surr)	75		52 - 120	03/07/23 06:59	03/08/23 16:05	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10800		11.1	4.9	mg/Kg	☆	03/07/23 11:28	03/10/23 17:05	1
Antimony	1.1	J	16.7	0.44	mg/Kg	☆	03/07/23 11:28	03/09/23 19:19	1
Arsenic	7.0		2.2	0.44	mg/Kg	☆	03/07/23 11:28	03/09/23 19:19	1
Barium	40.7		0.56	0.12	mg/Kg	☆	03/07/23 11:28	03/10/23 17:05	1
Beryllium	0.43		0.22	0.031	mg/Kg	☆	03/07/23 11:28	03/09/23 19:19	1
Cadmium	ND		0.22	0.033	mg/Kg	☆	03/07/23 11:28	03/09/23 19:19	1
Calcium	35000	B	55.6	3.7	mg/Kg	☆	03/07/23 11:28	03/10/23 17:05	1
Chromium	12.4		0.56	0.22	mg/Kg	☆	03/07/23 11:28	03/10/23 17:05	1
Cobalt	7.8		0.56	0.056	mg/Kg	☆	03/07/23 11:28	03/09/23 19:19	1
Copper	26.0	B	1.1	0.23	mg/Kg	☆	03/07/23 11:28	03/09/23 19:19	1
Iron	23000		11.1	3.9	mg/Kg	☆	03/07/23 11:28	03/10/23 17:05	1
Lead	11.8		1.1	0.27	mg/Kg	☆	03/07/23 11:28	03/09/23 19:19	1
Magnesium	10200		22.2	1.0	mg/Kg	☆	03/07/23 11:28	03/09/23 19:19	1
Manganese	368	B	0.22	0.036	mg/Kg	☆	03/07/23 11:28	03/10/23 17:05	1
Nickel	17.8		5.6	0.26	mg/Kg	☆	03/07/23 11:28	03/09/23 19:19	1
Potassium	2290		33.4	22.2	mg/Kg	☆	03/07/23 11:28	03/09/23 19:19	1
Selenium	ND		4.4	0.44	mg/Kg	☆	03/07/23 11:28	03/09/23 19:19	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Client Sample ID: SB 07-8-8.5'

Lab Sample ID: 480-206657-2

Date Collected: 03/03/23 10:30

Matrix: Solid

Date Received: 03/04/23 11:00

Percent Solids: 87.1

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.67	0.22	mg/Kg	✱	03/07/23 11:28	03/09/23 19:19	1
Sodium	181		156	14.5	mg/Kg	✱	03/07/23 11:28	03/09/23 19:19	1
Thallium	ND		6.7	0.33	mg/Kg	✱	03/07/23 11:28	03/09/23 19:19	1
Vanadium	21.7		0.56	0.12	mg/Kg	✱	03/07/23 11:28	03/09/23 19:19	1
Zinc	56.2		2.2	0.71	mg/Kg	✱	03/07/23 11:28	03/09/23 19:19	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.064		0.024	0.0054	mg/Kg	✱	03/14/23 10:52	03/14/23 13:39	1

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Client Sample ID: SB 08-12-18"

Lab Sample ID: 480-206657-3

Date Collected: 03/03/23 07:20

Matrix: Solid

Date Received: 03/04/23 11:00

Percent Solids: 91.7

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		3600	530	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
bis (2-chloroisopropyl) ether	ND		3600	730	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
2,4,5-Trichlorophenol	ND		3600	980	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
2,4,6-Trichlorophenol	ND		3600	730	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
2,4-Dichlorophenol	ND		3600	380	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
2,4-Dimethylphenol	ND		3600	880	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
2,4-Dinitrophenol	ND		35000	17000	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
2,4-Dinitrotoluene	ND		3600	750	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
2,6-Dinitrotoluene	ND		3600	430	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
2-Chloronaphthalene	ND		3600	600	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
2-Chlorophenol	ND		7100	660	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
2-Methylphenol	ND		3600	430	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
2-Methylnaphthalene	ND		3600	730	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
2-Nitroaniline	ND		7100	530	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
2-Nitrophenol	ND		3600	1000	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
3,3'-Dichlorobenzidine	ND		7100	4300	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
3-Nitroaniline	ND		7100	1000	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
4,6-Dinitro-2-methylphenol	ND		7100	3600	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
4-Bromophenyl phenyl ether	ND		3600	510	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
4-Chloro-3-methylphenol	ND		3600	900	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
4-Chloroaniline	ND		3600	900	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
4-Chlorophenyl phenyl ether	ND		3600	450	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
4-Methylphenol	ND		7100	430	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
4-Nitroaniline	ND		7100	1900	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
4-Nitrophenol	ND		7100	2500	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Acenaphthene	ND		3600	530	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Acenaphthylene	ND		3600	470	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Acetophenone	ND		3600	490	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Anthracene	ND		3600	900	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Atrazine	ND		3600	1300	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Benzaldehyde	ND		3600	2900	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Benzo[a]anthracene	ND		3600	360	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Benzo[a]pyrene	ND		3600	530	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Benzo[b]fluoranthene	ND		3600	580	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Benzo[g,h,i]perylene	ND		3600	380	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Benzo[k]fluoranthene	ND		3600	470	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Bis(2-chloroethoxy)methane	ND		3600	770	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Bis(2-chloroethyl)ether	ND		3600	470	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Bis(2-ethylhexyl) phthalate	ND		3600	1200	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Butyl benzyl phthalate	ND		3600	600	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Caprolactam	ND		3600	1100	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Carbazole	ND		3600	430	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Chrysene	ND		3600	810	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Dibenz(a,h)anthracene	ND		3600	640	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Di-n-butyl phthalate	ND		3600	620	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Di-n-octyl phthalate	ND		3600	430	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Dibenzofuran	ND		3600	430	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Diethyl phthalate	ND		3600	470	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Dimethyl phthalate	ND		3600	430	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Client Sample ID: SB 08-12-18"

Lab Sample ID: 480-206657-3

Date Collected: 03/03/23 07:20

Matrix: Solid

Date Received: 03/04/23 11:00

Percent Solids: 91.7

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		3600	380	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Fluorene	ND		3600	430	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Hexachlorobenzene	ND		3600	490	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Hexachlorobutadiene	ND		3600	530	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Hexachlorocyclopentadiene	ND		3600	490	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Hexachloroethane	ND		3600	470	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Indeno[1,2,3-cd]pyrene	ND		3600	450	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Isophorone	ND		3600	770	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
N-Nitrosodi-n-propylamine	ND		3600	620	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
N-Nitrosodiphenylamine	ND		3600	2900	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Naphthalene	ND		3600	470	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Nitrobenzene	ND		3600	410	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Pentachlorophenol	ND		7100	3600	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Phenanthrene	ND		3600	530	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Phenol	ND		3600	560	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20
Pyrene	ND		3600	430	ug/Kg	☆	03/07/23 06:59	03/08/23 16:29	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	76		53 - 120	03/07/23 06:59	03/08/23 16:29	20
Phenol-d5 (Surr)	70		54 - 120	03/07/23 06:59	03/08/23 16:29	20
p-Terphenyl-d14 (Surr)	77	S1-	79 - 130	03/07/23 06:59	03/08/23 16:29	20
2,4,6-Tribromophenol (Surr)	76		54 - 120	03/07/23 06:59	03/08/23 16:29	20
2-Fluorobiphenyl (Surr)	79		60 - 120	03/07/23 06:59	03/08/23 16:29	20
2-Fluorophenol (Surr)	69		52 - 120	03/07/23 06:59	03/08/23 16:29	20

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.26	0.051	mg/Kg	☆	03/06/23 09:12	03/09/23 01:36	1
PCB-1221	ND		0.26	0.051	mg/Kg	☆	03/06/23 09:12	03/09/23 01:36	1
PCB-1232	ND		0.26	0.051	mg/Kg	☆	03/06/23 09:12	03/09/23 01:36	1
PCB-1242	ND		0.26	0.051	mg/Kg	☆	03/06/23 09:12	03/09/23 01:36	1
PCB-1248	ND		0.26	0.051	mg/Kg	☆	03/06/23 09:12	03/09/23 01:36	1
PCB-1254	ND		0.26	0.12	mg/Kg	☆	03/06/23 09:12	03/09/23 01:36	1
PCB-1260	ND		0.26	0.12	mg/Kg	☆	03/06/23 09:12	03/09/23 01:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	124		60 - 154	03/06/23 09:12	03/09/23 01:36	1
Tetrachloro-m-xylene	137		60 - 154	03/06/23 09:12	03/09/23 01:36	1
DCB Decachlorobiphenyl	100		65 - 174	03/06/23 09:12	03/09/23 01:36	1
DCB Decachlorobiphenyl	83		65 - 174	03/06/23 09:12	03/09/23 01:36	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1910		11.3	5.0	mg/Kg	☆	03/07/23 11:28	03/10/23 17:09	1
Antimony	ND		16.9	0.45	mg/Kg	☆	03/07/23 11:28	03/09/23 19:23	1
Arsenic	2.1	J	2.3	0.45	mg/Kg	☆	03/07/23 11:28	03/09/23 19:23	1
Barium	7.3		0.56	0.12	mg/Kg	☆	03/07/23 11:28	03/10/23 17:09	1
Beryllium	0.13	J	0.23	0.032	mg/Kg	☆	03/07/23 11:28	03/09/23 19:23	1
Cadmium	ND		0.23	0.034	mg/Kg	☆	03/07/23 11:28	03/09/23 19:23	1
Calcium	325000	B	282	18.6	mg/Kg	☆	03/07/23 11:28	03/10/23 17:13	5

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Client Sample ID: SB 08-12-18"

Lab Sample ID: 480-206657-3

Date Collected: 03/03/23 07:20

Matrix: Solid

Date Received: 03/04/23 11:00

Percent Solids: 91.7

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	4.3		0.56	0.23	mg/Kg	✱	03/07/23 11:28	03/10/23 17:09	1
Cobalt	1.3		0.56	0.056	mg/Kg	✱	03/07/23 11:28	03/09/23 19:23	1
Copper	4.8	J B	5.6	1.2	mg/Kg	✱	03/07/23 11:28	03/10/23 17:13	5
Iron	2570		11.3	4.0	mg/Kg	✱	03/07/23 11:28	03/10/23 17:09	1
Lead	6.4		1.1	0.27	mg/Kg	✱	03/07/23 11:28	03/09/23 19:23	1
Magnesium	8130		22.6	1.0	mg/Kg	✱	03/07/23 11:28	03/09/23 19:23	1
Manganese	239	B	0.23	0.036	mg/Kg	✱	03/07/23 11:28	03/10/23 17:09	1
Nickel	3.5	J	5.6	0.26	mg/Kg	✱	03/07/23 11:28	03/09/23 19:23	1
Potassium	1080		33.9	22.6	mg/Kg	✱	03/07/23 11:28	03/09/23 19:23	1
Selenium	ND		4.5	0.45	mg/Kg	✱	03/07/23 11:28	03/09/23 19:23	1
Silver	ND		0.68	0.23	mg/Kg	✱	03/07/23 11:28	03/09/23 19:23	1
Sodium	253		158	14.7	mg/Kg	✱	03/07/23 11:28	03/09/23 19:23	1
Thallium	ND		6.8	0.34	mg/Kg	✱	03/07/23 11:28	03/09/23 19:23	1
Vanadium	15.7		0.56	0.12	mg/Kg	✱	03/07/23 11:28	03/09/23 19:23	1
Zinc	8.4		2.3	0.72	mg/Kg	✱	03/07/23 11:28	03/09/23 19:23	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.022	0.0051	mg/Kg	✱	03/14/23 10:52	03/14/23 13:40	1

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Client Sample ID: SB 08-8-9'

Lab Sample ID: 480-206657-4

Date Collected: 03/03/23 07:59

Matrix: Solid

Date Received: 03/04/23 11:00

Percent Solids: 80.7

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.1	0.37	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
1,1,2,2-Tetrachloroethane	ND		5.1	0.83	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	1.2	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
1,1,2-Trichloroethane	ND		5.1	0.67	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
1,1-Dichloroethane	ND		5.1	0.63	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
1,1-Dichloroethene	ND		5.1	0.63	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
1,2,4-Trichlorobenzene	ND		5.1	0.31	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
1,2-Dibromo-3-Chloropropane	ND		5.1	2.6	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
1,2-Dibromoethane	ND		5.1	0.66	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
1,2-Dichlorobenzene	ND		5.1	0.40	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
1,2-Dichloroethane	ND		5.1	0.26	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
1,2-Dichloropropane	ND		5.1	2.6	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
1,3-Dichlorobenzene	ND		5.1	0.26	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
1,4-Dichlorobenzene	ND		5.1	0.72	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
2-Butanone (MEK)	ND		26	1.9	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
2-Hexanone	ND		26	2.6	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.7	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Acetone	19 J		26	4.3	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Benzene	ND		5.1	0.25	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Bromodichloromethane	ND		5.1	0.69	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Bromoform	ND		5.1	2.6	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Bromomethane	ND		5.1	0.46	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Carbon disulfide	ND		5.1	2.6	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Carbon tetrachloride	ND		5.1	0.50	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Chlorobenzene	ND		5.1	0.68	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Chloroethane	ND		5.1	1.2	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Chloroform	ND		5.1	0.32	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Chloromethane	ND		5.1	0.31	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
cis-1,2-Dichloroethene	ND		5.1	0.66	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
cis-1,3-Dichloropropene	ND		5.1	0.74	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Cyclohexane	ND		5.1	0.72	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Dibromochloromethane	ND		5.1	0.66	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Dichlorodifluoromethane	ND		5.1	0.42	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Ethylbenzene	ND		5.1	0.35	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Isopropylbenzene	ND		5.1	0.77	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Methyl acetate	ND		26	3.1	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Methyl tert-butyl ether	ND		5.1	0.50	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Methylcyclohexane	ND		5.1	0.78	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Methylene Chloride	ND		5.1	2.4	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Styrene	ND		5.1	0.26	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Tetrachloroethene	ND		5.1	0.69	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Toluene	ND		5.1	0.39	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
trans-1,2-Dichloroethene	ND		5.1	0.53	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Trichloroethene	ND		5.1	1.1	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Trichlorofluoromethane	ND		5.1	0.49	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Vinyl chloride	ND		5.1	0.63	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1
Xylenes, Total	ND		10	0.86	ug/Kg	☆	03/04/23 12:00	03/06/23 21:28	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Client Sample ID: SB 08-8-9'

Lab Sample ID: 480-206657-4

Date Collected: 03/03/23 07:59

Matrix: Solid

Date Received: 03/04/23 11:00

Percent Solids: 80.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		64 - 126	03/04/23 12:00	03/06/23 21:28	1
4-Bromofluorobenzene (Surr)	99		72 - 126	03/04/23 12:00	03/06/23 21:28	1
Dibromofluoromethane (Surr)	105		60 - 140	03/04/23 12:00	03/06/23 21:28	1
Toluene-d8 (Surr)	101		71 - 125	03/04/23 12:00	03/06/23 21:28	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		210	31	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
bis (2-chloroisopropyl) ether	ND		210	42	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
2,4,5-Trichlorophenol	ND		210	56	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
2,4,6-Trichlorophenol	ND		210	42	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
2,4-Dichlorophenol	ND		210	22	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
2,4-Dimethylphenol	ND		210	50	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
2,4-Dinitrophenol	ND		2000	960	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
2,4-Dinitrotoluene	ND		210	43	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
2,6-Dinitrotoluene	ND		210	24	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
2-Chloronaphthalene	ND		210	34	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
2-Chlorophenol	ND		400	38	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
2-Methylphenol	ND		210	24	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
2-Methylnaphthalene	ND		210	42	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
2-Nitroaniline	ND		400	31	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
2-Nitrophenol	ND		210	59	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
3,3'-Dichlorobenzidine	ND		400	240	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
3-Nitroaniline	ND		400	57	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
4,6-Dinitro-2-methylphenol	ND		400	210	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
4-Bromophenyl phenyl ether	ND		210	29	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
4-Chloro-3-methylphenol	ND		210	51	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
4-Chloroaniline	ND		210	51	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
4-Chlorophenyl phenyl ether	ND		210	26	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
4-Methylphenol	ND		400	24	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
4-Nitroaniline	ND		400	110	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
4-Nitrophenol	ND		400	150	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Acenaphthene	ND		210	31	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Acenaphthylene	ND		210	27	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Acetophenone	ND		210	28	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Anthracene	ND		210	51	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Atrazine	ND		210	72	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Benzaldehyde	ND		210	160	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Benzo[a]anthracene	ND		210	21	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Benzo[a]pyrene	ND		210	31	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Benzo[b]fluoranthene	ND		210	33	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Benzo[g,h,i]perylene	ND		210	22	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Benzo[k]fluoranthene	ND		210	27	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Bis(2-chloroethoxy)methane	ND		210	44	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Bis(2-chloroethyl)ether	ND		210	27	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Bis(2-ethylhexyl) phthalate	ND		210	71	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Butyl benzyl phthalate	ND		210	34	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Caprolactam	ND		210	62	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Carbazole	ND		210	24	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Chrysene	ND		210	46	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Client Sample ID: SB 08-8-9'

Lab Sample ID: 480-206657-4

Date Collected: 03/03/23 07:59

Matrix: Solid

Date Received: 03/04/23 11:00

Percent Solids: 80.7

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		210	37	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Di-n-butyl phthalate	ND		210	35	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Di-n-octyl phthalate	ND		210	24	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Dibenzofuran	ND		210	24	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Diethyl phthalate	ND		210	27	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Dimethyl phthalate	ND		210	24	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Fluoranthene	ND		210	22	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Fluorene	ND		210	24	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Hexachlorobenzene	ND		210	28	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Hexachlorobutadiene	ND		210	31	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Hexachlorocyclopentadiene	ND		210	28	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Hexachloroethane	ND		210	27	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Indeno[1,2,3-cd]pyrene	ND		210	26	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Isophorone	ND		210	44	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
N-Nitrosodi-n-propylamine	ND		210	35	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
N-Nitrosodiphenylamine	ND		210	170	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Naphthalene	ND		210	27	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Nitrobenzene	ND		210	23	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Pentachlorophenol	ND		400	210	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Phenanthrene	ND		210	31	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Phenol	ND		210	32	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1
Pyrene	ND		210	24	ug/Kg	☆	03/07/23 06:59	03/08/23 16:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	75		53 - 120	03/07/23 06:59	03/08/23 16:54	1
Phenol-d5 (Surr)	77		54 - 120	03/07/23 06:59	03/08/23 16:54	1
p-Terphenyl-d14 (Surr)	85		79 - 130	03/07/23 06:59	03/08/23 16:54	1
2,4,6-Tribromophenol (Surr)	70		54 - 120	03/07/23 06:59	03/08/23 16:54	1
2-Fluorobiphenyl (Surr)	77		60 - 120	03/07/23 06:59	03/08/23 16:54	1
2-Fluorophenol (Surr)	72		52 - 120	03/07/23 06:59	03/08/23 16:54	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9560		11.9	5.2	mg/Kg	☆	03/07/23 11:28	03/10/23 17:17	1
Antimony	ND		17.9	0.48	mg/Kg	☆	03/07/23 11:28	03/09/23 19:26	1
Arsenic	6.4		2.4	0.48	mg/Kg	☆	03/07/23 11:28	03/09/23 19:26	1
Barium	44.3		0.60	0.13	mg/Kg	☆	03/07/23 11:28	03/10/23 17:17	1
Beryllium	0.45		0.24	0.033	mg/Kg	☆	03/07/23 11:28	03/09/23 19:26	1
Cadmium	ND		0.24	0.036	mg/Kg	☆	03/07/23 11:28	03/09/23 19:26	1
Calcium	27400	B	59.5	3.9	mg/Kg	☆	03/07/23 11:28	03/10/23 17:17	1
Chromium	11.2		0.60	0.24	mg/Kg	☆	03/07/23 11:28	03/10/23 17:17	1
Cobalt	7.1		0.60	0.060	mg/Kg	☆	03/07/23 11:28	03/09/23 19:26	1
Copper	18.5	B	1.2	0.25	mg/Kg	☆	03/07/23 11:28	03/09/23 19:26	1
Iron	16100		11.9	4.2	mg/Kg	☆	03/07/23 11:28	03/10/23 17:17	1
Lead	4.9		1.2	0.29	mg/Kg	☆	03/07/23 11:28	03/09/23 19:26	1
Magnesium	10900		23.8	1.1	mg/Kg	☆	03/07/23 11:28	03/09/23 19:26	1
Manganese	543	B	0.24	0.038	mg/Kg	☆	03/07/23 11:28	03/10/23 17:17	1
Nickel	15.5		6.0	0.27	mg/Kg	☆	03/07/23 11:28	03/09/23 19:26	1
Potassium	2600		35.7	23.8	mg/Kg	☆	03/07/23 11:28	03/09/23 19:26	1
Selenium	ND		4.8	0.48	mg/Kg	☆	03/07/23 11:28	03/09/23 19:26	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Client Sample ID: SB 08-8-9'

Lab Sample ID: 480-206657-4

Date Collected: 03/03/23 07:59

Matrix: Solid

Date Received: 03/04/23 11:00

Percent Solids: 80.7

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.71	0.24	mg/Kg	✱	03/07/23 11:28	03/09/23 19:26	1
Sodium	295		167	15.5	mg/Kg	✱	03/07/23 11:28	03/09/23 19:26	1
Thallium	ND		7.1	0.36	mg/Kg	✱	03/07/23 11:28	03/09/23 19:26	1
Vanadium	18.9		0.60	0.13	mg/Kg	✱	03/07/23 11:28	03/09/23 19:26	1
Zinc	29.3		2.4	0.76	mg/Kg	✱	03/07/23 11:28	03/09/23 19:26	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.026	0.0059	mg/Kg	✱	03/14/23 10:52	03/14/23 13:41	1

Surrogate Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (64-126)	BFB (72-126)	DBFM (60-140)	TOL (71-125)
480-206657-2	SB 07-8-8.5'	102	97	103	99
480-206657-4	SB 08-8-9'	107	99	105	101
LCS 480-660578/1-A	Lab Control Sample	100	99	101	100
MB 480-660578/2-A	Method Blank	100	99	103	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (53-120)	PHL (54-120)	TPHd14 (79-130)	TBP (54-120)	FBP (60-120)	2FP (52-120)
480-206657-1	SB 07-0-6"	66	71	76 S1-	63	73	63
480-206657-2	SB 07-8-8.5'	80	79	89	71	83	75
480-206657-3	SB 08-12-18"	76	70	77 S1-	76	79	69
480-206657-4	SB 08-8-9'	75	77	85	70	77	72
LCS 480-660647/2-A	Lab Control Sample	83	82	96	87	87	75
MB 480-660647/1-A	Method Blank	79	78	97	61	83	70

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-206657-1	SB 07-0-6"	109	122	95	75
480-206657-3	SB 08-12-18"	124	137	100	83
LCS 480-660538/2-A	Lab Control Sample	138	144	137	110
MB 480-660538/1-A	Method Blank	123	135	125	99

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-660578/2-A

Matrix: Solid

Analysis Batch: 660558

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660578

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
2-Hexanone	ND		25	2.5	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Acetone	ND		25	4.2	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Benzene	ND		5.0	0.25	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Bromoform	ND		5.0	2.5	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Bromomethane	ND		5.0	0.45	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Chloroethane	ND		5.0	1.1	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Chloroform	0.486	J	5.0	0.31	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Chloromethane	ND		5.0	0.30	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Cyclohexane	ND		5.0	0.70	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Methyl acetate	ND		25	3.0	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Styrene	ND		5.0	0.25	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Toluene	ND		5.0	0.38	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Trichloroethene	ND		5.0	1.1	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		03/06/23 11:57	03/06/23 13:35	1
Xylenes, Total	ND		10	0.84	ug/Kg		03/06/23 11:57	03/06/23 13:35	1

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-660578/2-A

Matrix: Solid

Analysis Batch: 660558

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660578

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 126	03/06/23 11:57	03/06/23 13:35	1
4-Bromofluorobenzene (Surr)	99		72 - 126	03/06/23 11:57	03/06/23 13:35	1
Dibromofluoromethane (Surr)	103		60 - 140	03/06/23 11:57	03/06/23 13:35	1
Toluene-d8 (Surr)	98		71 - 125	03/06/23 11:57	03/06/23 13:35	1

Lab Sample ID: LCS 480-660578/1-A

Matrix: Solid

Analysis Batch: 660558

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 660578

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	47.5		ug/Kg		95	77 - 121
1,1,2,2-Tetrachloroethane	50.0	51.0		ug/Kg		102	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	39.5		ug/Kg		79	60 - 140
1,1,2-Trichloroethane	50.0	49.9		ug/Kg		100	78 - 122
1,1-Dichloroethane	50.0	48.9		ug/Kg		98	73 - 126
1,1-Dichloroethene	50.0	44.5		ug/Kg		89	59 - 125
1,2,4-Trichlorobenzene	50.0	50.8		ug/Kg		102	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	58.0		ug/Kg		116	63 - 124
1,2-Dibromoethane	50.0	51.0		ug/Kg		102	78 - 120
1,2-Dichlorobenzene	50.0	49.8		ug/Kg		100	75 - 120
1,2-Dichloroethane	50.0	48.6		ug/Kg		97	77 - 122
1,2-Dichloropropane	50.0	49.6		ug/Kg		99	75 - 124
1,3-Dichlorobenzene	50.0	49.8		ug/Kg		100	74 - 120
1,4-Dichlorobenzene	50.0	49.1		ug/Kg		98	73 - 120
2-Butanone (MEK)	250	254		ug/Kg		102	70 - 134
2-Hexanone	250	262		ug/Kg		105	59 - 130
4-Methyl-2-pentanone (MIBK)	250	266		ug/Kg		106	65 - 133
Acetone	250	240		ug/Kg		96	61 - 137
Benzene	50.0	48.2		ug/Kg		96	79 - 127
Bromodichloromethane	50.0	52.8		ug/Kg		106	80 - 122
Bromoform	50.0	57.4		ug/Kg		115	68 - 126
Bromomethane	50.0	47.2		ug/Kg		94	37 - 149
Carbon disulfide	50.0	46.6		ug/Kg		93	64 - 131
Carbon tetrachloride	50.0	47.6		ug/Kg		95	75 - 135
Chlorobenzene	50.0	49.2		ug/Kg		98	76 - 124
Chloroethane	50.0	47.5		ug/Kg		95	69 - 135
Chloroform	50.0	48.3		ug/Kg		97	80 - 120
Chloromethane	50.0	48.4		ug/Kg		97	63 - 127
cis-1,2-Dichloroethene	50.0	48.9		ug/Kg		98	81 - 120
cis-1,3-Dichloropropene	50.0	52.3		ug/Kg		105	80 - 120
Cyclohexane	50.0	42.0		ug/Kg		84	65 - 120
Dibromochloromethane	50.0	55.7		ug/Kg		111	76 - 125
Dichlorodifluoromethane	50.0	40.0		ug/Kg		80	57 - 142
Ethylbenzene	50.0	48.4		ug/Kg		97	80 - 120
Isopropylbenzene	50.0	49.3		ug/Kg		99	72 - 120
Methyl acetate	100	100		ug/Kg		100	55 - 136
Methyl tert-butyl ether	50.0	51.8		ug/Kg		104	63 - 125
Methylcyclohexane	50.0	41.3		ug/Kg		83	60 - 140

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-660578/1-A

Matrix: Solid

Analysis Batch: 660558

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 660578

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	50.0	51.4		ug/Kg		103	61 - 127
Styrene	50.0	51.1		ug/Kg		102	80 - 120
Tetrachloroethene	50.0	46.6		ug/Kg		93	74 - 122
Toluene	50.0	48.2		ug/Kg		96	74 - 128
trans-1,2-Dichloroethene	50.0	47.9		ug/Kg		96	78 - 126
Trichloroethene	50.0	47.4		ug/Kg		95	77 - 129
Trichlorofluoromethane	50.0	42.2		ug/Kg		84	65 - 146
Vinyl chloride	50.0	45.9		ug/Kg		92	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		64 - 126
4-Bromofluorobenzene (Surr)	99		72 - 126
Dibromofluoromethane (Surr)	101		60 - 140
Toluene-d8 (Surr)	100		71 - 125

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-660647/1-A

Matrix: Solid

Analysis Batch: 660819

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660647

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	24	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
bis (2-chloroisopropyl) ether	ND		170	33	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2,4,5-Trichlorophenol	ND		170	45	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2,4,6-Trichlorophenol	ND		170	33	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2,4-Dichlorophenol	ND		170	18	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2,4-Dimethylphenol	ND		170	40	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2,4-Dinitrophenol	ND		1600	770	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2,4-Dinitrotoluene	ND		170	34	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2-Chloronaphthalene	ND		170	27	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2-Chlorophenol	ND		320	30	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2-Methylphenol	ND		170	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2-Methylnaphthalene	ND		170	33	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2-Nitroaniline	ND		320	24	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
2-Nitrophenol	ND		170	47	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
3,3'-Dichlorobenzidine	ND		320	200	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
3-Nitroaniline	ND		320	46	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
4,6-Dinitro-2-methylphenol	ND		320	170	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
4-Bromophenyl phenyl ether	ND		170	24	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
4-Chloro-3-methylphenol	ND		170	41	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
4-Chloroaniline	ND		170	41	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
4-Chlorophenyl phenyl ether	ND		170	21	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
4-Methylphenol	ND		320	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
4-Nitroaniline	ND		320	87	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
4-Nitrophenol	ND		320	120	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Acenaphthene	ND		170	24	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Acenaphthylene	ND		170	22	ug/Kg		03/07/23 06:59	03/08/23 11:40	1

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-660647/1-A

Matrix: Solid

Analysis Batch: 660819

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660647

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		170	23	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Anthracene	ND		170	41	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Atrazine	ND		170	58	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Benzaldehyde	ND		170	130	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Benzo[a]anthracene	ND		170	17	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Benzo[a]pyrene	ND		170	24	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Benzo[b]fluoranthene	ND		170	26	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Bis(2-chloroethoxy)methane	ND		170	35	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Bis(2-chloroethyl)ether	ND		170	22	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Bis(2-ethylhexyl) phthalate	ND		170	57	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Butyl benzyl phthalate	ND		170	27	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Caprolactam	ND		170	50	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Carbazole	ND		170	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Chrysene	ND		170	37	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Dibenz(a,h)anthracene	ND		170	29	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Di-n-butyl phthalate	ND		170	28	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Di-n-octyl phthalate	ND		170	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Dibenzofuran	ND		170	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Diethyl phthalate	ND		170	22	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Dimethyl phthalate	ND		170	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Fluoranthene	ND		170	18	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Fluorene	ND		170	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Hexachlorobenzene	ND		170	23	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Hexachlorobutadiene	ND		170	24	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Hexachlorocyclopentadiene	ND		170	23	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Hexachloroethane	ND		170	22	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Isophorone	ND		170	35	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
N-Nitrosodi-n-propylamine	ND		170	28	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
N-Nitrosodiphenylamine	ND		170	140	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Naphthalene	ND		170	22	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Nitrobenzene	ND		170	19	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Pentachlorophenol	ND		320	170	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Phenanthrene	ND		170	24	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Phenol	ND		170	25	ug/Kg		03/07/23 06:59	03/08/23 11:40	1
Pyrene	ND		170	20	ug/Kg		03/07/23 06:59	03/08/23 11:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	79		53 - 120	03/07/23 06:59	03/08/23 11:40	1
Phenol-d5 (Surr)	78		54 - 120	03/07/23 06:59	03/08/23 11:40	1
p-Terphenyl-d14 (Surr)	97		79 - 130	03/07/23 06:59	03/08/23 11:40	1
2,4,6-Tribromophenol (Surr)	61		54 - 120	03/07/23 06:59	03/08/23 11:40	1
2-Fluorobiphenyl (Surr)	83		60 - 120	03/07/23 06:59	03/08/23 11:40	1
2-Fluorophenol (Surr)	70		52 - 120	03/07/23 06:59	03/08/23 11:40	1

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-660647/2-A

Matrix: Solid

Analysis Batch: 660819

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 660647

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biphenyl	1650	1550		ug/Kg		94	59 - 120
bis (2-chloroisopropyl) ether	1650	1520		ug/Kg		92	44 - 120
2,4,5-Trichlorophenol	1650	1530		ug/Kg		93	59 - 126
2,4,6-Trichlorophenol	1650	1530		ug/Kg		93	59 - 123
2,4-Dichlorophenol	1650	1470		ug/Kg		89	61 - 120
2,4-Dimethylphenol	1650	1540		ug/Kg		93	59 - 120
2,4-Dinitrophenol	3290	2790		ug/Kg		85	41 - 146
2,4-Dinitrotoluene	1650	1570		ug/Kg		95	63 - 120
2,6-Dinitrotoluene	1650	1610		ug/Kg		98	66 - 120
2-Chloronaphthalene	1650	1520		ug/Kg		92	57 - 120
2-Chlorophenol	1650	1380		ug/Kg		84	53 - 120
2-Methylphenol	1650	1470		ug/Kg		89	54 - 120
2-Methylnaphthalene	1650	1560		ug/Kg		95	59 - 120
2-Nitroaniline	1650	1650		ug/Kg		100	61 - 120
2-Nitrophenol	1650	1470		ug/Kg		90	56 - 120
3,3'-Dichlorobenzidine	3290	2900		ug/Kg		88	54 - 120
3-Nitroaniline	1650	1220		ug/Kg		74	48 - 120
4,6-Dinitro-2-methylphenol	3290	3500		ug/Kg		106	49 - 122
4-Bromophenyl phenyl ether	1650	1600		ug/Kg		97	58 - 120
4-Chloro-3-methylphenol	1650	1580		ug/Kg		96	61 - 120
4-Chloroaniline	1650	1220		ug/Kg		74	38 - 120
4-Chlorophenyl phenyl ether	1650	1540		ug/Kg		94	63 - 124
4-Methylphenol	1650	1480		ug/Kg		90	55 - 120
4-Nitroaniline	1650	1450		ug/Kg		88	56 - 120
4-Nitrophenol	3290	3020		ug/Kg		92	43 - 147
Acenaphthene	1650	1580		ug/Kg		96	62 - 120
Acenaphthylene	1650	1580		ug/Kg		96	58 - 121
Acetophenone	1650	1450		ug/Kg		88	54 - 120
Anthracene	1650	1580		ug/Kg		96	62 - 120
Atrazine	3290	3130		ug/Kg		95	60 - 127
Benzaldehyde	3290	2160		ug/Kg		66	10 - 150
Benzo[a]anthracene	1650	1600		ug/Kg		97	65 - 120
Benzo[a]pyrene	1650	1650		ug/Kg		100	64 - 120
Benzo[b]fluoranthene	1650	1600		ug/Kg		97	64 - 120
Benzo[g,h,i]perylene	1650	1700		ug/Kg		104	45 - 145
Benzo[k]fluoranthene	1650	1640		ug/Kg		100	65 - 120
Bis(2-chloroethoxy)methane	1650	1480		ug/Kg		90	55 - 120
Bis(2-chloroethyl)ether	1650	1350		ug/Kg		82	45 - 120
Bis(2-ethylhexyl) phthalate	1650	1640		ug/Kg		99	61 - 133
Butyl benzyl phthalate	1650	1700		ug/Kg		103	61 - 129
Caprolactam	3290	3040		ug/Kg		92	47 - 120
Carbazole	1650	1630		ug/Kg		99	65 - 120
Chrysene	1650	1570		ug/Kg		95	64 - 120
Dibenz(a,h)anthracene	1650	1670		ug/Kg		102	54 - 132
Di-n-butyl phthalate	1650	1640		ug/Kg		99	58 - 130
Di-n-octyl phthalate	1650	1690		ug/Kg		103	57 - 133
Dibenzofuran	1650	1560		ug/Kg		95	63 - 120
Diethyl phthalate	1650	1610		ug/Kg		98	66 - 120

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-660647/2-A

Matrix: Solid

Analysis Batch: 660819

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 660647

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dimethyl phthalate	1650	1580		ug/Kg		96	65 - 124
Fluoranthene	1650	1630		ug/Kg		99	62 - 120
Fluorene	1650	1580		ug/Kg		96	63 - 120
Hexachlorobenzene	1650	1550		ug/Kg		94	60 - 120
Hexachlorobutadiene	1650	1340		ug/Kg		81	45 - 120
Hexachlorocyclopentadiene	1650	1320		ug/Kg		80	47 - 120
Hexachloroethane	1650	1230		ug/Kg		75	41 - 120
Indeno[1,2,3-cd]pyrene	1650	1790		ug/Kg		109	56 - 134
Isophorone	1650	1520		ug/Kg		93	56 - 120
N-Nitrosodi-n-propylamine	1650	1480		ug/Kg		90	52 - 120
N-Nitrosodiphenylamine	1650	1640		ug/Kg		100	51 - 128
Naphthalene	1650	1400		ug/Kg		85	55 - 120
Nitrobenzene	1650	1440		ug/Kg		88	54 - 120
Pentachlorophenol	3290	2670		ug/Kg		81	51 - 120
Phenanthrene	1650	1630		ug/Kg		99	60 - 120
Phenol	1650	1430		ug/Kg		87	53 - 120
Pyrene	1650	1750		ug/Kg		106	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	83		53 - 120
Phenol-d5 (Surr)	82		54 - 120
p-Terphenyl-d14 (Surr)	96		79 - 130
2,4,6-Tribromophenol (Surr)	87		54 - 120
2-Fluorobiphenyl (Surr)	87		60 - 120
2-Fluorophenol (Surr)	75		52 - 120

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-660538/1-A

Matrix: Solid

Analysis Batch: 660891

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660538

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.048	mg/Kg		03/06/23 09:12	03/08/23 20:01	1
PCB-1221	ND		0.24	0.048	mg/Kg		03/06/23 09:12	03/08/23 20:01	1
PCB-1232	ND		0.24	0.048	mg/Kg		03/06/23 09:12	03/08/23 20:01	1
PCB-1242	ND		0.24	0.048	mg/Kg		03/06/23 09:12	03/08/23 20:01	1
PCB-1248	ND		0.24	0.048	mg/Kg		03/06/23 09:12	03/08/23 20:01	1
PCB-1254	ND		0.24	0.11	mg/Kg		03/06/23 09:12	03/08/23 20:01	1
PCB-1260	ND		0.24	0.11	mg/Kg		03/06/23 09:12	03/08/23 20:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	123		60 - 154	03/06/23 09:12	03/08/23 20:01	1
Tetrachloro-m-xylene	135		60 - 154	03/06/23 09:12	03/08/23 20:01	1
DCB Decachlorobiphenyl	125		65 - 174	03/06/23 09:12	03/08/23 20:01	1
DCB Decachlorobiphenyl	99		65 - 174	03/06/23 09:12	03/08/23 20:01	1

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 480-660538/2-A

Matrix: Solid

Analysis Batch: 660891

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 660538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	2.35	3.37		mg/Kg		144	51 - 185
PCB-1260	2.35	3.04		mg/Kg		129	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	138		60 - 154
Tetrachloro-m-xylene	144		60 - 154
DCB Decachlorobiphenyl	137		65 - 174
DCB Decachlorobiphenyl	110		65 - 174

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-660669/1-A

Matrix: Solid

Analysis Batch: 661117

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660669

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		9.9	4.3	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Antimony	ND		14.8	0.39	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Arsenic	ND		2.0	0.39	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Barium	ND		0.49	0.11	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Beryllium	ND		0.20	0.028	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Cadmium	ND		0.20	0.030	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Cobalt	ND		0.49	0.049	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Copper	0.361	J	0.99	0.21	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Lead	ND		0.99	0.24	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Magnesium	ND		19.7	0.91	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Nickel	ND		4.9	0.23	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Potassium	ND		29.6	19.7	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Selenium	ND		3.9	0.39	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Silver	ND		0.59	0.20	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Sodium	ND		138	12.8	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Thallium	ND		5.9	0.30	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Vanadium	ND		0.49	0.11	mg/Kg		03/07/23 11:28	03/09/23 17:42	1
Zinc	ND		2.0	0.63	mg/Kg		03/07/23 11:28	03/09/23 17:42	1

Lab Sample ID: MB 480-660669/1-A

Matrix: Solid

Analysis Batch: 661282

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660669

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	4.34	J	49.3	3.3	mg/Kg		03/07/23 11:28	03/10/23 15:13	1
Chromium	ND		0.49	0.20	mg/Kg		03/07/23 11:28	03/10/23 15:13	1
Iron	ND		9.9	3.5	mg/Kg		03/07/23 11:28	03/10/23 15:13	1
Manganese	0.0464	J	0.20	0.032	mg/Kg		03/07/23 11:28	03/10/23 15:13	1

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-660669/2-A

Matrix: Solid

Analysis Batch: 661117

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 660669

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	10100	9775		mg/Kg		96.8	37.5 - 114.9
Antimony	234	86.72		mg/Kg		37.1	10.0 - 120.1
Arsenic	129	106.7		mg/Kg		82.7	60.9 - 113.2
Barium	169	142.7		mg/Kg		84.5	68.6 - 114.2
Beryllium	137	110.3		mg/Kg		80.5	66.3 - 110.2
Cadmium	227	175.1		mg/Kg		77.1	64.8 - 110.1
Cobalt	50.0	48.77		mg/Kg		97.5	69.6 - 115.8
Copper	76.0	64.75		mg/Kg		85.2	69.5 - 115.8
Lead	74.8	84.88		mg/Kg		113.5	67.0 - 128.9
Magnesium	2570	2291		mg/Kg		89.1	53.7 - 121.0
Nickel	282	263.9		mg/Kg		93.6	62.1 - 114.9
Potassium	2420	2214		mg/Kg		91.5	46.7 - 113.2
Selenium	246	195.9		mg/Kg		79.7	60.2 - 114.6
Silver	87.5	74.87		mg/Kg		85.6	63.7 - 115.4
Sodium	161	151.5		mg/Kg		94.1	28.6 - 136.0
Thallium	77.4	76.59		mg/Kg		99.0	55.0 - 120.0
Vanadium	201	175.1		mg/Kg		87.1	64.7 - 111.4
Zinc	401	314.6		mg/Kg		78.5	62.8 - 116.7

Lab Sample ID: LCSSRM 480-660669/2-A

Matrix: Solid

Analysis Batch: 661282

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 660669

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	5190	4343		mg/Kg		83.7	64.0 - 112.9
Chromium	115	91.64		mg/Kg		79.7	62.4 - 115.7
Iron	15000	15720		mg/Kg		104.8	29.9 - 149.3
Manganese	400	351.2		mg/Kg		87.8	70.5 - 115.8

QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-206657-1 MS

Matrix: Solid

Analysis Batch: 661117

Client Sample ID: SB 07-0-6"

Prep Type: Total/NA

Prep Batch: 660669

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Antimony	1.2	J F1	56.2	32.21	F1	mg/Kg	✱	55	75 - 125	
Arsenic	8.2		56.2	61.52		mg/Kg	✱	95	75 - 125	
Beryllium	0.86		56.2	51.85		mg/Kg	✱	91	75 - 125	
Cadmium	0.47		56.2	51.10		mg/Kg	✱	90	75 - 125	
Cobalt	11.4		56.2	68.79		mg/Kg	✱	102	75 - 125	
Copper	41.2	B	56.2	88.20		mg/Kg	✱	84	75 - 125	
Lead	149	F1	56.2	203.6		mg/Kg	✱	96	75 - 125	
Magnesium	6530	F1	2820	12360	F1	mg/Kg	✱	207	75 - 125	
Nickel	30.5		56.2	90.74		mg/Kg	✱	107	75 - 125	
Potassium	2870	F1	2810	12000	F1	mg/Kg	✱	325	75 - 125	
Selenium	0.57	J	56.2	51.82		mg/Kg	✱	91	75 - 125	
Silver	ND		14.0	13.10		mg/Kg	✱	93	75 - 125	
Sodium	321		2810	2877		mg/Kg	✱	91	75 - 125	
Thallium	ND		56.2	58.40		mg/Kg	✱	104	75 - 125	
Vanadium	36.4	F1	56.2	110.9	F1	mg/Kg	✱	133	75 - 125	
Zinc	103	F1 F2	56.2	154.5		mg/Kg	✱	92	75 - 125	

Lab Sample ID: 480-206657-1 MS

Matrix: Solid

Analysis Batch: 661282

Client Sample ID: SB 07-0-6"

Prep Type: Total/NA

Prep Batch: 660669

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Aluminum	16300		2810	30800	4	mg/Kg	✱	517	75 - 125	
Barium	107	F1	56.2	191.7	F1	mg/Kg	✱	151	75 - 125	
Calcium	16000	B	2810	20010	4	mg/Kg	✱	141	75 - 125	
Chromium	22.7		56.2	80.52		mg/Kg	✱	103	75 - 125	
Iron	25300		2810	27660	4	mg/Kg	✱	85	75 - 125	
Manganese	673	B	56.2	663.4	4	mg/Kg	✱	-17	75 - 125	

Lab Sample ID: 480-206657-1 MSD

Matrix: Solid

Analysis Batch: 661117

Client Sample ID: SB 07-0-6"

Prep Type: Total/NA

Prep Batch: 660669

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits		RPD	Limit
Antimony	1.2	J F1	56.6	34.65	F1	mg/Kg	✱	59	75 - 125		7	20
Arsenic	8.2		56.6	62.57		mg/Kg	✱	96	75 - 125		2	20
Beryllium	0.86		56.6	52.15		mg/Kg	✱	91	75 - 125		1	20
Cadmium	0.47		56.6	50.96		mg/Kg	✱	89	75 - 125		0	20
Cobalt	11.4		56.6	66.76		mg/Kg	✱	98	75 - 125		3	20
Copper	41.2	B	56.6	88.10		mg/Kg	✱	83	75 - 125		0	20
Lead	149	F1	56.6	179.0	F1	mg/Kg	✱	52	75 - 125		13	20
Magnesium	6530	F1	2830	13050	F1	mg/Kg	✱	230	75 - 125		5	20
Nickel	30.5		56.6	91.98		mg/Kg	✱	109	75 - 125		1	20
Potassium	2870	F1	2830	11500	F1	mg/Kg	✱	305	75 - 125		4	20
Selenium	0.57	J	56.6	52.23		mg/Kg	✱	91	75 - 125		1	20
Silver	ND		14.1	13.06		mg/Kg	✱	92	75 - 125		0	20
Sodium	321		2830	2854		mg/Kg	✱	89	75 - 125		1	20
Thallium	ND		56.6	57.78		mg/Kg	✱	102	75 - 125		1	20
Vanadium	36.4	F1	56.6	109.6	F1	mg/Kg	✱	129	75 - 125		1	20

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-206657-1 MSD

Matrix: Solid

Analysis Batch: 661117

Client Sample ID: SB 07-0-6"

Prep Type: Total/NA

Prep Batch: 660669

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Zinc	103	F1 F2	56.6	210.0	F1 F2	mg/Kg	⊛	189	75 - 125	30	20

Lab Sample ID: 480-206657-1 MSD

Matrix: Solid

Analysis Batch: 661282

Client Sample ID: SB 07-0-6"

Prep Type: Total/NA

Prep Batch: 660669

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	16300		2830	29390	4	mg/Kg	⊛	464	75 - 125	5	20
Barium	107	F1	56.6	215.8	F1	mg/Kg	⊛	193	75 - 125	12	20
Calcium	16000	B	2830	18940	4	mg/Kg	⊛	102	75 - 125	5	20
Chromium	22.7		56.6	86.11		mg/Kg	⊛	112	75 - 125	7	20
Iron	25300		2830	26630	4	mg/Kg	⊛	48	75 - 125	4	20
Manganese	673	B	56.6	591.9	4	mg/Kg	⊛	-143	75 - 125	11	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-661280/1-A

Matrix: Solid

Analysis Batch: 661467

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 661280

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0046	mg/Kg		03/14/23 10:52	03/14/23 13:31	1

Lab Sample ID: LCSSRM 480-661280/2-A ^10

Matrix: Solid

Analysis Batch: 661467

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 661280

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	20.7	11.47		mg/Kg		55.4	38.3 - 110.1

Lab Sample ID: 480-206657-1 MS

Matrix: Solid

Analysis Batch: 661467

Client Sample ID: SB 07-0-6"

Prep Type: Total/NA

Prep Batch: 661280

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.12		0.471	0.501		mg/Kg	⊛	81	80 - 120

Lab Sample ID: 480-206657-1 MSD

Matrix: Solid

Analysis Batch: 661467

Client Sample ID: SB 07-0-6"

Prep Type: Total/NA

Prep Batch: 661280

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.12		0.475	0.536		mg/Kg	⊛	87	80 - 120	7	20

Eurofins Buffalo

QC Association Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

GC/MS VOA

Analysis Batch: 660558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206657-2	SB 07-8-8.5'	Total/NA	Solid	8260C	660578
480-206657-4	SB 08-8-9'	Total/NA	Solid	8260C	660578
MB 480-660578/2-A	Method Blank	Total/NA	Solid	8260C	660578
LCS 480-660578/1-A	Lab Control Sample	Total/NA	Solid	8260C	660578

Prep Batch: 660578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206657-2	SB 07-8-8.5'	Total/NA	Solid	5035A_L	
480-206657-4	SB 08-8-9'	Total/NA	Solid	5035A_L	
MB 480-660578/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-660578/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

GC/MS Semi VOA

Prep Batch: 660647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206657-1	SB 07-0-6"	Total/NA	Solid	3550C	
480-206657-2	SB 07-8-8.5'	Total/NA	Solid	3550C	
480-206657-3	SB 08-12-18"	Total/NA	Solid	3550C	
480-206657-4	SB 08-8-9'	Total/NA	Solid	3550C	
MB 480-660647/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-660647/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 660819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206657-1	SB 07-0-6"	Total/NA	Solid	8270D	660647
480-206657-2	SB 07-8-8.5'	Total/NA	Solid	8270D	660647
480-206657-3	SB 08-12-18"	Total/NA	Solid	8270D	660647
480-206657-4	SB 08-8-9'	Total/NA	Solid	8270D	660647
MB 480-660647/1-A	Method Blank	Total/NA	Solid	8270D	660647
LCS 480-660647/2-A	Lab Control Sample	Total/NA	Solid	8270D	660647

GC Semi VOA

Prep Batch: 660538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206657-1	SB 07-0-6"	Total/NA	Solid	3550C	
480-206657-3	SB 08-12-18"	Total/NA	Solid	3550C	
MB 480-660538/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-660538/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 660891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206657-1	SB 07-0-6"	Total/NA	Solid	8082A	660538
480-206657-3	SB 08-12-18"	Total/NA	Solid	8082A	660538
MB 480-660538/1-A	Method Blank	Total/NA	Solid	8082A	660538
LCS 480-660538/2-A	Lab Control Sample	Total/NA	Solid	8082A	660538

QC Association Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Metals

Prep Batch: 660669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206657-1	SB 07-0-6"	Total/NA	Solid	3050B	
480-206657-2	SB 07-8-8.5'	Total/NA	Solid	3050B	
480-206657-3	SB 08-12-18"	Total/NA	Solid	3050B	
480-206657-4	SB 08-8-9'	Total/NA	Solid	3050B	
MB 480-660669/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-660669/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-206657-1 MS	SB 07-0-6"	Total/NA	Solid	3050B	
480-206657-1 MSD	SB 07-0-6"	Total/NA	Solid	3050B	

Analysis Batch: 661117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206657-1	SB 07-0-6"	Total/NA	Solid	6010C	660669
480-206657-2	SB 07-8-8.5'	Total/NA	Solid	6010C	660669
480-206657-3	SB 08-12-18"	Total/NA	Solid	6010C	660669
480-206657-4	SB 08-8-9'	Total/NA	Solid	6010C	660669
MB 480-660669/1-A	Method Blank	Total/NA	Solid	6010C	660669
LCSSRM 480-660669/2-A	Lab Control Sample	Total/NA	Solid	6010C	660669
480-206657-1 MS	SB 07-0-6"	Total/NA	Solid	6010C	660669
480-206657-1 MSD	SB 07-0-6"	Total/NA	Solid	6010C	660669

Prep Batch: 661280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206657-1	SB 07-0-6"	Total/NA	Solid	7471B	
480-206657-2	SB 07-8-8.5'	Total/NA	Solid	7471B	
480-206657-3	SB 08-12-18"	Total/NA	Solid	7471B	
480-206657-4	SB 08-8-9'	Total/NA	Solid	7471B	
MB 480-661280/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-661280/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	
480-206657-1 MS	SB 07-0-6"	Total/NA	Solid	7471B	
480-206657-1 MSD	SB 07-0-6"	Total/NA	Solid	7471B	

Analysis Batch: 661282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206657-1	SB 07-0-6"	Total/NA	Solid	6010C	660669
480-206657-2	SB 07-8-8.5'	Total/NA	Solid	6010C	660669
480-206657-3	SB 08-12-18"	Total/NA	Solid	6010C	660669
480-206657-3	SB 08-12-18"	Total/NA	Solid	6010C	660669
480-206657-4	SB 08-8-9'	Total/NA	Solid	6010C	660669
MB 480-660669/1-A	Method Blank	Total/NA	Solid	6010C	660669
LCSSRM 480-660669/2-A	Lab Control Sample	Total/NA	Solid	6010C	660669
480-206657-1 MS	SB 07-0-6"	Total/NA	Solid	6010C	660669
480-206657-1 MSD	SB 07-0-6"	Total/NA	Solid	6010C	660669

Analysis Batch: 661467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206657-1	SB 07-0-6"	Total/NA	Solid	7471B	661280
480-206657-2	SB 07-8-8.5'	Total/NA	Solid	7471B	661280
480-206657-3	SB 08-12-18"	Total/NA	Solid	7471B	661280
480-206657-4	SB 08-8-9'	Total/NA	Solid	7471B	661280
MB 480-661280/1-A	Method Blank	Total/NA	Solid	7471B	661280
LCSSRM 480-661280/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	661280

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QC Association Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Metals (Continued)

Analysis Batch: 661467 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206657-1 MS	SB 07-0-6"	Total/NA	Solid	7471B	661280
480-206657-1 MSD	SB 07-0-6"	Total/NA	Solid	7471B	661280

General Chemistry

Analysis Batch: 660621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206657-1	SB 07-0-6"	Total/NA	Solid	Moisture	
480-206657-2	SB 07-8-8.5'	Total/NA	Solid	Moisture	
480-206657-3	SB 08-12-18"	Total/NA	Solid	Moisture	
480-206657-4	SB 08-8-9'	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Client Sample ID: SB 07-0-6"

Lab Sample ID: 480-206657-1

Date Collected: 03/03/23 10:22

Matrix: Solid

Date Received: 03/04/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	660621	DSC	EET BUF	03/06/23 15:18

Client Sample ID: SB 07-0-6"

Lab Sample ID: 480-206657-1

Date Collected: 03/03/23 10:22

Matrix: Solid

Date Received: 03/04/23 11:00

Percent Solids: 71.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			660647	VXF	EET BUF	03/07/23 06:59
Total/NA	Analysis	8270D		10	660819	JMM	EET BUF	03/08/23 15:41
Total/NA	Prep	3550C			660538	JMP	EET BUF	03/06/23 09:12
Total/NA	Analysis	8082A		1	660891	NC	EET BUF	03/09/23 01:23
Total/NA	Prep	3050B			660669	VAK	EET BUF	03/07/23 11:28
Total/NA	Analysis	6010C		1	661117	LMH	EET BUF	03/09/23 18:48
Total/NA	Prep	3050B			660669	VAK	EET BUF	03/07/23 11:28
Total/NA	Analysis	6010C		1	661282	LMH	EET BUF	03/10/23 16:46
Total/NA	Prep	7471B			661280	NVK	EET BUF	03/14/23 10:52
Total/NA	Analysis	7471B		1	661467	NVK	EET BUF	03/14/23 13:33

Client Sample ID: SB 07-8-8.5'

Lab Sample ID: 480-206657-2

Date Collected: 03/03/23 10:30

Matrix: Solid

Date Received: 03/04/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	660621	DSC	EET BUF	03/06/23 15:18

Client Sample ID: SB 07-8-8.5'

Lab Sample ID: 480-206657-2

Date Collected: 03/03/23 10:30

Matrix: Solid

Date Received: 03/04/23 11:00

Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			660578	LCH	EET BUF	03/04/23 12:00
Total/NA	Analysis	8260C		1	660558	CDC	EET BUF	03/06/23 21:05
Total/NA	Prep	3550C			660647	VXF	EET BUF	03/07/23 06:59
Total/NA	Analysis	8270D		1	660819	JMM	EET BUF	03/08/23 16:05
Total/NA	Prep	3050B			660669	VAK	EET BUF	03/07/23 11:28
Total/NA	Analysis	6010C		1	661117	LMH	EET BUF	03/09/23 19:19
Total/NA	Prep	3050B			660669	VAK	EET BUF	03/07/23 11:28
Total/NA	Analysis	6010C		1	661282	LMH	EET BUF	03/10/23 17:05
Total/NA	Prep	7471B			661280	NVK	EET BUF	03/14/23 10:52
Total/NA	Analysis	7471B		1	661467	NVK	EET BUF	03/14/23 13:39

Lab Chronicle

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Client Sample ID: SB 08-12-18"

Lab Sample ID: 480-206657-3

Date Collected: 03/03/23 07:20

Matrix: Solid

Date Received: 03/04/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	660621	DSC	EET BUF	03/06/23 15:18

Client Sample ID: SB 08-12-18"

Lab Sample ID: 480-206657-3

Date Collected: 03/03/23 07:20

Matrix: Solid

Date Received: 03/04/23 11:00

Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			660647	VXF	EET BUF	03/07/23 06:59
Total/NA	Analysis	8270D		20	660819	JMM	EET BUF	03/08/23 16:29
Total/NA	Prep	3550C			660538	JMP	EET BUF	03/06/23 09:12
Total/NA	Analysis	8082A		1	660891	NC	EET BUF	03/09/23 01:36
Total/NA	Prep	3050B			660669	VAK	EET BUF	03/07/23 11:28
Total/NA	Analysis	6010C		1	661117	LMH	EET BUF	03/09/23 19:23
Total/NA	Prep	3050B			660669	VAK	EET BUF	03/07/23 11:28
Total/NA	Analysis	6010C		1	661282	LMH	EET BUF	03/10/23 17:09
Total/NA	Prep	3050B			660669	VAK	EET BUF	03/07/23 11:28
Total/NA	Analysis	6010C		5	661282	LMH	EET BUF	03/10/23 17:13
Total/NA	Prep	7471B			661280	NVK	EET BUF	03/14/23 10:52
Total/NA	Analysis	7471B		1	661467	NVK	EET BUF	03/14/23 13:40

Client Sample ID: SB 08-8-9'

Lab Sample ID: 480-206657-4

Date Collected: 03/03/23 07:59

Matrix: Solid

Date Received: 03/04/23 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	660621	DSC	EET BUF	03/06/23 15:18

Client Sample ID: SB 08-8-9'

Lab Sample ID: 480-206657-4

Date Collected: 03/03/23 07:59

Matrix: Solid

Date Received: 03/04/23 11:00

Percent Solids: 80.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			660578	LCH	EET BUF	03/04/23 12:00
Total/NA	Analysis	8260C		1	660558	CDC	EET BUF	03/06/23 21:28
Total/NA	Prep	3550C			660647	VXF	EET BUF	03/07/23 06:59
Total/NA	Analysis	8270D		1	660819	JMM	EET BUF	03/08/23 16:54
Total/NA	Prep	3050B			660669	VAK	EET BUF	03/07/23 11:28
Total/NA	Analysis	6010C		1	661117	LMH	EET BUF	03/09/23 19:26
Total/NA	Prep	3050B			660669	VAK	EET BUF	03/07/23 11:28
Total/NA	Analysis	6010C		1	661282	LMH	EET BUF	03/10/23 17:17
Total/NA	Prep	7471B			661280	NVK	EET BUF	03/14/23 10:52
Total/NA	Analysis	7471B		1	661467	NVK	EET BUF	03/14/23 13:41

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Eurofins Buffalo

Accreditation/Certification Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_L	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-206657-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-206657-1	SB 07-0-6"	Solid	03/03/23 10:22	03/04/23 11:00
480-206657-2	SB 07-8-8.5'	Solid	03/03/23 10:30	03/04/23 11:00
480-206657-3	SB 08-12-18"	Solid	03/03/23 07:20	03/04/23 11:00
480-206657-4	SB 08-8-9'	Solid	03/03/23 07:59	03/04/23 11:00

Chain of Custody Record

Syracuse



Environment Testing

Phone: 716-691-2600 Fax: 716-691-7991

Client Information		Sampler: <u>G. Fischer</u>		Lab PM: <u>Fischer, Brian J</u>		Card Tracking No(s): <u>#225</u>		COC No: <u>480-182670-38789.1</u>																							
Client Contact: <u>Mr. George Fischer</u>		Phone: <u>315 569 0474</u>		E-Mail: <u>Brian.Fischer@et.eurofinsus.com</u>		State of Origin: <u>NY</u>		Page: <u>1 of 1</u>																							
Company: <u>Asbestos & Environmental Consulting Corp</u>		PWSID:		Analysis Requested		Job #:		Preservation Codes:																							
Address: <u>6308 Fly Road</u>		Due Date Requested:		 480-206657 Chain of Custody		A - HCL R - NaOH M - Hexane N - None O - AsNaO2 P - Na2O4S a2SO3 a2S2O3 2SO4 SP Dodecahydrate Acetone MCAA - pH 4-5 - Trizma - other (specify)		Other:																							
City: <u>East Syracuse</u>		TAT Requested (days): <u>10 day</u>																													
State, Zip: <u>NY, 13057</u>		Compliance Project: <u>Δ Yes Δ No</u>																													
Phone: <u>315-432-9400(Tel)</u>		PO #: <u>Purchase Order Requested</u>																													
Email: <u>gfischer@aecgroup.com</u>		WO #: <u>ISaxxon@aecgroup.com</u>		Project #: <u>48026197</u>		SOW#:		Total Number of containers																							
Project Name: <u>JP O'Brien - Utica, NY - Phase II ESA</u>		Project #:		SOW#:		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)																							
Site:		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)																							
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		8260C - (MOD) TCL list OLM04.2		6010C, 7471B, Moisture		8082A, 8270D		8082A - TCL PCBs - OLM04.2		8270D - TCL SVOA - OLM04.2		6010C, 7470A		8260C - TCL list OLM04.2		Total Number of containers		Special Instructions/Note:	
<u>SB-07-0-6"</u>		<u>3/3/23</u>		<u>10:22</u>		<u>G</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>N</u>		<u>N</u>		<u>N</u>		<u>N</u>		<u>N</u>		<u>D</u>		<u>A</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-07-8-85"</u>		<u>↓</u>		<u>10:30</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-12-18"</u>		<u>↓</u>		<u>0720</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>No 8082A</u>	
<u>SB-08-8-9"</u>		<u>↓</u>		<u>0759</u>		<u>↓</u>		<u>Solid</u>		<u>X</u>		<u>X</u> </																			

Login Sample Receipt Checklist

Client: Asbestos & Environmental Consulting Corp

Job Number: 480-206657-1

Login Number: 206657

List Source: Eurofins Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	FREEZE TIME 3/4/23 1200
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Attachment C

Laboratory Analysis Report, April 2023 Sampling Event

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. George Fischer
Asbestos & Environmental Consulting Corp
6308 Fly Road
East Syracuse, New York 13057

Generated 4/17/2023 11:44:28 AM

JOB DESCRIPTION

JP O'Brien - Utica, NY - Phase II ESA

JOB NUMBER

480-207523-1

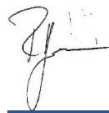
Eurofins Buffalo

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Buffalo and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Buffalo Project Manager or designee who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Definitions/Glossary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Job ID: 480-207523-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative 480-207523-1

Comments

No additional comments.

Receipt

The samples were received on 4/5/2023 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.5° C.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-664293 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane, 2-Butanone (MEK), Acetone, Carbon tetrachloride, Cyclohexane and Methylcyclohexane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: TW-01 (480-207523-1) and TW-02 (480-207523-2).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-664293 recovered outside control limits for the following analytes: Carbon tetrachloride and Trichloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Client Sample ID: TW-01

Lab Sample ID: 480-207523-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Aluminum	0.16	J	0.33	0.10	mg/L	1			6010C	Total/NA
Barium	0.82		0.0033	0.0012	mg/L	1			6010C	Total/NA
Calcium	152		0.83	0.17	mg/L	1			6010C	Total/NA
Iron	0.60		0.083	0.032	mg/L	1			6010C	Total/NA
Magnesium	77.3		0.33	0.072	mg/L	1			6010C	Total/NA
Manganese	0.34		0.0050	0.00067	mg/L	1			6010C	Total/NA
Potassium	12.1		0.83	0.17	mg/L	1			6010C	Total/NA
Sodium	83.4		1.7	0.54	mg/L	1			6010C	Total/NA

Client Sample ID: TW-02

Lab Sample ID: 480-207523-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Aluminum	0.24	J	0.33	0.10	mg/L	1			6010C	Total/NA
Barium	0.19		0.0033	0.0012	mg/L	1			6010C	Total/NA
Calcium	182		0.83	0.17	mg/L	1			6010C	Total/NA
Copper	0.0027	J	0.017	0.0027	mg/L	1			6010C	Total/NA
Iron	0.37		0.083	0.032	mg/L	1			6010C	Total/NA
Magnesium	32.4		0.33	0.072	mg/L	1			6010C	Total/NA
Manganese	0.041		0.0050	0.00067	mg/L	1			6010C	Total/NA
Potassium	9.5		0.83	0.17	mg/L	1			6010C	Total/NA
Sodium	736		1.7	0.54	mg/L	1			6010C	Total/NA
Zinc	0.0036	J B	0.017	0.0025	mg/L	1			6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Client Sample ID: TW-01

Lab Sample ID: 480-207523-1

Date Collected: 04/04/23 13:30

Matrix: Water

Date Received: 04/05/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/07/23 11:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/07/23 11:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/07/23 11:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/07/23 11:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/07/23 11:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/07/23 11:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/07/23 11:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/07/23 11:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/07/23 11:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/07/23 11:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/07/23 11:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/07/23 11:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/07/23 11:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/07/23 11:15	1
2-Hexanone	ND		5.0	1.2	ug/L			04/07/23 11:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/07/23 11:15	1
Acetone	ND		10	3.0	ug/L			04/07/23 11:15	1
Benzene	ND		1.0	0.41	ug/L			04/07/23 11:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/07/23 11:15	1
Bromoform	ND		1.0	0.26	ug/L			04/07/23 11:15	1
Bromomethane	ND		1.0	0.69	ug/L			04/07/23 11:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/07/23 11:15	1
Carbon tetrachloride	ND	+	1.0	0.27	ug/L			04/07/23 11:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/07/23 11:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/07/23 11:15	1
Chloroethane	ND		1.0	0.32	ug/L			04/07/23 11:15	1
Chloroform	ND		1.0	0.34	ug/L			04/07/23 11:15	1
Chloromethane	ND		1.0	0.35	ug/L			04/07/23 11:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/07/23 11:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/07/23 11:15	1
Cyclohexane	ND		1.0	0.18	ug/L			04/07/23 11:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/07/23 11:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/07/23 11:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/07/23 11:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/07/23 11:15	1
Methyl acetate	ND		2.5	1.3	ug/L			04/07/23 11:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/07/23 11:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/07/23 11:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/07/23 11:15	1
Styrene	ND		1.0	0.73	ug/L			04/07/23 11:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/07/23 11:15	1
Toluene	ND		1.0	0.51	ug/L			04/07/23 11:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/07/23 11:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/07/23 11:15	1
Trichloroethene	ND	+	1.0	0.46	ug/L			04/07/23 11:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/07/23 11:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/07/23 11:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/07/23 11:15	1

Eurofins Buffalo

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Client Sample ID: TW-01

Lab Sample ID: 480-207523-1

Date Collected: 04/04/23 13:30

Matrix: Water

Date Received: 04/05/23 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		04/07/23 11:15	1
1,2-Dichloroethane-d4 (Surr)	118		77 - 120		04/07/23 11:15	1
4-Bromofluorobenzene (Surr)	105		73 - 120		04/07/23 11:15	1
Dibromofluoromethane (Surr)	115		75 - 123		04/07/23 11:15	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		04/07/23 08:16	04/11/23 14:26	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		04/07/23 08:16	04/11/23 14:26	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		04/07/23 08:16	04/11/23 14:26	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		04/07/23 08:16	04/11/23 14:26	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		04/07/23 08:16	04/11/23 14:26	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		04/07/23 08:16	04/11/23 14:26	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		04/07/23 08:16	04/11/23 14:26	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		04/07/23 08:16	04/11/23 14:26	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		04/07/23 08:16	04/11/23 14:26	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		04/07/23 08:16	04/11/23 14:26	1
2-Chlorophenol	ND		5.0	0.53	ug/L		04/07/23 08:16	04/11/23 14:26	1
2-Methylphenol	ND		5.0	0.40	ug/L		04/07/23 08:16	04/11/23 14:26	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		04/07/23 08:16	04/11/23 14:26	1
2-Nitroaniline	ND		10	0.42	ug/L		04/07/23 08:16	04/11/23 14:26	1
2-Nitrophenol	ND		5.0	0.48	ug/L		04/07/23 08:16	04/11/23 14:26	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		04/07/23 08:16	04/11/23 14:26	1
3-Nitroaniline	ND		10	0.48	ug/L		04/07/23 08:16	04/11/23 14:26	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		04/07/23 08:16	04/11/23 14:26	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		04/07/23 08:16	04/11/23 14:26	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		04/07/23 08:16	04/11/23 14:26	1
4-Chloroaniline	ND		5.0	0.59	ug/L		04/07/23 08:16	04/11/23 14:26	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		04/07/23 08:16	04/11/23 14:26	1
4-Methylphenol	ND		10	0.36	ug/L		04/07/23 08:16	04/11/23 14:26	1
4-Nitroaniline	ND		10	0.25	ug/L		04/07/23 08:16	04/11/23 14:26	1
4-Nitrophenol	ND		10	1.5	ug/L		04/07/23 08:16	04/11/23 14:26	1
Acenaphthene	ND		5.0	0.41	ug/L		04/07/23 08:16	04/11/23 14:26	1
Acenaphthylene	ND		5.0	0.38	ug/L		04/07/23 08:16	04/11/23 14:26	1
Acetophenone	ND		5.0	0.54	ug/L		04/07/23 08:16	04/11/23 14:26	1
Anthracene	ND		5.0	0.28	ug/L		04/07/23 08:16	04/11/23 14:26	1
Atrazine	ND		5.0	0.46	ug/L		04/07/23 08:16	04/11/23 14:26	1
Benzaldehyde	ND		5.0	0.27	ug/L		04/07/23 08:16	04/11/23 14:26	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		04/07/23 08:16	04/11/23 14:26	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		04/07/23 08:16	04/11/23 14:26	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		04/07/23 08:16	04/11/23 14:26	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		04/07/23 08:16	04/11/23 14:26	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		04/07/23 08:16	04/11/23 14:26	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		04/07/23 08:16	04/11/23 14:26	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		04/07/23 08:16	04/11/23 14:26	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		04/07/23 08:16	04/11/23 14:26	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		04/07/23 08:16	04/11/23 14:26	1
Caprolactam	ND		5.0	2.2	ug/L		04/07/23 08:16	04/11/23 14:26	1
Carbazole	ND		5.0	0.30	ug/L		04/07/23 08:16	04/11/23 14:26	1
Chrysene	ND		5.0	0.33	ug/L		04/07/23 08:16	04/11/23 14:26	1

Eurolins Buffalo

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Client Sample ID: TW-01

Lab Sample ID: 480-207523-1

Date Collected: 04/04/23 13:30

Matrix: Water

Date Received: 04/05/23 10:00

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		04/07/23 08:16	04/11/23 14:26	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		04/07/23 08:16	04/11/23 14:26	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		04/07/23 08:16	04/11/23 14:26	1
Dibenzofuran	ND		10	0.51	ug/L		04/07/23 08:16	04/11/23 14:26	1
Diethyl phthalate	ND		5.0	0.22	ug/L		04/07/23 08:16	04/11/23 14:26	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		04/07/23 08:16	04/11/23 14:26	1
Fluoranthene	ND		5.0	0.40	ug/L		04/07/23 08:16	04/11/23 14:26	1
Fluorene	ND		5.0	0.36	ug/L		04/07/23 08:16	04/11/23 14:26	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		04/07/23 08:16	04/11/23 14:26	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		04/07/23 08:16	04/11/23 14:26	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		04/07/23 08:16	04/11/23 14:26	1
Hexachloroethane	ND		5.0	0.59	ug/L		04/07/23 08:16	04/11/23 14:26	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		04/07/23 08:16	04/11/23 14:26	1
Isophorone	ND		5.0	0.43	ug/L		04/07/23 08:16	04/11/23 14:26	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		04/07/23 08:16	04/11/23 14:26	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		04/07/23 08:16	04/11/23 14:26	1
Naphthalene	ND		5.0	0.76	ug/L		04/07/23 08:16	04/11/23 14:26	1
Nitrobenzene	ND		5.0	0.29	ug/L		04/07/23 08:16	04/11/23 14:26	1
Pentachlorophenol	ND		10	2.2	ug/L		04/07/23 08:16	04/11/23 14:26	1
Phenanthrene	ND		5.0	0.44	ug/L		04/07/23 08:16	04/11/23 14:26	1
Phenol	ND		5.0	0.39	ug/L		04/07/23 08:16	04/11/23 14:26	1
Pyrene	ND		5.0	0.34	ug/L		04/07/23 08:16	04/11/23 14:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	74		46 - 120	04/07/23 08:16	04/11/23 14:26	1
Phenol-d5 (Surr)	38		22 - 120	04/07/23 08:16	04/11/23 14:26	1
p-Terphenyl-d14 (Surr)	89		60 - 148	04/07/23 08:16	04/11/23 14:26	1
2,4,6-Tribromophenol (Surr)	83		41 - 120	04/07/23 08:16	04/11/23 14:26	1
2-Fluorobiphenyl (Surr)	89		48 - 120	04/07/23 08:16	04/11/23 14:26	1
2-Fluorophenol (Surr)	53		35 - 120	04/07/23 08:16	04/11/23 14:26	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/06/23 08:24	04/11/23 19:50	1
PCB-1221	ND		0.50	0.18	ug/L		04/06/23 08:24	04/11/23 19:50	1
PCB-1232	ND		0.50	0.18	ug/L		04/06/23 08:24	04/11/23 19:50	1
PCB-1242	ND		0.50	0.18	ug/L		04/06/23 08:24	04/11/23 19:50	1
PCB-1248	ND		0.50	0.18	ug/L		04/06/23 08:24	04/11/23 19:50	1
PCB-1254	ND		0.50	0.25	ug/L		04/06/23 08:24	04/11/23 19:50	1
PCB-1260	ND		0.50	0.25	ug/L		04/06/23 08:24	04/11/23 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	79		39 - 121	04/06/23 08:24	04/11/23 19:50	1
Tetrachloro-m-xylene	73		39 - 121	04/06/23 08:24	04/11/23 19:50	1
DCB Decachlorobiphenyl	70		19 - 120	04/06/23 08:24	04/11/23 19:50	1
DCB Decachlorobiphenyl	78		19 - 120	04/06/23 08:24	04/11/23 19:50	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.16	J	0.33	0.10	mg/L		04/05/23 16:11	04/06/23 21:52	1

Eurofins Buffalo

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Client Sample ID: TW-01

Lab Sample ID: 480-207523-1

Date Collected: 04/04/23 13:30

Matrix: Water

Date Received: 04/05/23 10:00

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.033	0.011	mg/L		04/05/23 16:11	04/06/23 21:52	1
Arsenic	ND		0.025	0.0093	mg/L		04/05/23 16:11	04/07/23 18:30	1
Barium	0.82		0.0033	0.0012	mg/L		04/05/23 16:11	04/06/23 21:52	1
Beryllium	ND		0.0033	0.00050	mg/L		04/05/23 16:11	04/06/23 21:52	1
Cadmium	ND		0.0033	0.00083	mg/L		04/05/23 16:11	04/06/23 21:52	1
Calcium	152		0.83	0.17	mg/L		04/05/23 16:11	04/06/23 21:52	1
Chromium	ND		0.0067	0.0017	mg/L		04/05/23 16:11	04/06/23 21:52	1
Cobalt	ND		0.0067	0.0011	mg/L		04/05/23 16:11	04/06/23 21:52	1
Copper	ND		0.017	0.0027	mg/L		04/05/23 16:11	04/06/23 21:52	1
Iron	0.60		0.083	0.032	mg/L		04/05/23 16:11	04/06/23 21:52	1
Lead	ND		0.017	0.0050	mg/L		04/05/23 16:11	04/06/23 21:52	1
Magnesium	77.3		0.33	0.072	mg/L		04/05/23 16:11	04/06/23 21:52	1
Manganese	0.34		0.0050	0.00067	mg/L		04/05/23 16:11	04/06/23 21:52	1
Nickel	ND		0.017	0.0021	mg/L		04/05/23 16:11	04/06/23 21:52	1
Potassium	12.1		0.83	0.17	mg/L		04/05/23 16:11	04/06/23 21:52	1
Selenium	ND		0.042	0.015	mg/L		04/05/23 16:11	04/06/23 21:52	1
Silver	ND		0.010	0.0028	mg/L		04/05/23 16:11	04/06/23 21:52	1
Sodium	83.4		1.7	0.54	mg/L		04/05/23 16:11	04/06/23 21:52	1
Thallium	ND		0.033	0.017	mg/L		04/05/23 16:11	04/06/23 21:52	1
Vanadium	ND		0.0083	0.0025	mg/L		04/05/23 16:11	04/06/23 21:52	1
Zinc	ND		0.017	0.0025	mg/L		04/05/23 16:11	04/06/23 21:52	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		04/10/23 10:31	04/10/23 15:23	1

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Client Sample ID: TW-02

Lab Sample ID: 480-207523-2

Date Collected: 04/04/23 14:45

Matrix: Water

Date Received: 04/05/23 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/07/23 11:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/07/23 11:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/07/23 11:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/07/23 11:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/07/23 11:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/07/23 11:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/07/23 11:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/07/23 11:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/07/23 11:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/07/23 11:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/07/23 11:39	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/07/23 11:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/07/23 11:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/07/23 11:39	1
2-Hexanone	ND		5.0	1.2	ug/L			04/07/23 11:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/07/23 11:39	1
Acetone	ND		10	3.0	ug/L			04/07/23 11:39	1
Benzene	ND		1.0	0.41	ug/L			04/07/23 11:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/07/23 11:39	1
Bromoform	ND		1.0	0.26	ug/L			04/07/23 11:39	1
Bromomethane	ND		1.0	0.69	ug/L			04/07/23 11:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/07/23 11:39	1
Carbon tetrachloride	ND	+	1.0	0.27	ug/L			04/07/23 11:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/07/23 11:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/07/23 11:39	1
Chloroethane	ND		1.0	0.32	ug/L			04/07/23 11:39	1
Chloroform	ND		1.0	0.34	ug/L			04/07/23 11:39	1
Chloromethane	ND		1.0	0.35	ug/L			04/07/23 11:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/07/23 11:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/07/23 11:39	1
Cyclohexane	ND		1.0	0.18	ug/L			04/07/23 11:39	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/07/23 11:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/07/23 11:39	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/07/23 11:39	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/07/23 11:39	1
Methyl acetate	ND		2.5	1.3	ug/L			04/07/23 11:39	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/07/23 11:39	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/07/23 11:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/07/23 11:39	1
Styrene	ND		1.0	0.73	ug/L			04/07/23 11:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/07/23 11:39	1
Toluene	ND		1.0	0.51	ug/L			04/07/23 11:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/07/23 11:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/07/23 11:39	1
Trichloroethene	ND	+	1.0	0.46	ug/L			04/07/23 11:39	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/07/23 11:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/07/23 11:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/07/23 11:39	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Client Sample ID: TW-02

Lab Sample ID: 480-207523-2

Date Collected: 04/04/23 14:45

Matrix: Water

Date Received: 04/05/23 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120		04/07/23 11:39	1
1,2-Dichloroethane-d4 (Surr)	115		77 - 120		04/07/23 11:39	1
4-Bromofluorobenzene (Surr)	104		73 - 120		04/07/23 11:39	1
Dibromofluoromethane (Surr)	115		75 - 123		04/07/23 11:39	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		04/07/23 08:16	04/11/23 14:54	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		04/07/23 08:16	04/11/23 14:54	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		04/07/23 08:16	04/11/23 14:54	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		04/07/23 08:16	04/11/23 14:54	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		04/07/23 08:16	04/11/23 14:54	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		04/07/23 08:16	04/11/23 14:54	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		04/07/23 08:16	04/11/23 14:54	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		04/07/23 08:16	04/11/23 14:54	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		04/07/23 08:16	04/11/23 14:54	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		04/07/23 08:16	04/11/23 14:54	1
2-Chlorophenol	ND		5.0	0.53	ug/L		04/07/23 08:16	04/11/23 14:54	1
2-Methylphenol	ND		5.0	0.40	ug/L		04/07/23 08:16	04/11/23 14:54	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		04/07/23 08:16	04/11/23 14:54	1
2-Nitroaniline	ND		10	0.42	ug/L		04/07/23 08:16	04/11/23 14:54	1
2-Nitrophenol	ND		5.0	0.48	ug/L		04/07/23 08:16	04/11/23 14:54	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		04/07/23 08:16	04/11/23 14:54	1
3-Nitroaniline	ND		10	0.48	ug/L		04/07/23 08:16	04/11/23 14:54	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		04/07/23 08:16	04/11/23 14:54	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		04/07/23 08:16	04/11/23 14:54	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		04/07/23 08:16	04/11/23 14:54	1
4-Chloroaniline	ND		5.0	0.59	ug/L		04/07/23 08:16	04/11/23 14:54	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		04/07/23 08:16	04/11/23 14:54	1
4-Methylphenol	ND		10	0.36	ug/L		04/07/23 08:16	04/11/23 14:54	1
4-Nitroaniline	ND		10	0.25	ug/L		04/07/23 08:16	04/11/23 14:54	1
4-Nitrophenol	ND		10	1.5	ug/L		04/07/23 08:16	04/11/23 14:54	1
Acenaphthene	ND		5.0	0.41	ug/L		04/07/23 08:16	04/11/23 14:54	1
Acenaphthylene	ND		5.0	0.38	ug/L		04/07/23 08:16	04/11/23 14:54	1
Acetophenone	ND		5.0	0.54	ug/L		04/07/23 08:16	04/11/23 14:54	1
Anthracene	ND		5.0	0.28	ug/L		04/07/23 08:16	04/11/23 14:54	1
Atrazine	ND		5.0	0.46	ug/L		04/07/23 08:16	04/11/23 14:54	1
Benzaldehyde	ND		5.0	0.27	ug/L		04/07/23 08:16	04/11/23 14:54	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		04/07/23 08:16	04/11/23 14:54	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		04/07/23 08:16	04/11/23 14:54	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		04/07/23 08:16	04/11/23 14:54	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		04/07/23 08:16	04/11/23 14:54	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		04/07/23 08:16	04/11/23 14:54	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		04/07/23 08:16	04/11/23 14:54	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		04/07/23 08:16	04/11/23 14:54	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		04/07/23 08:16	04/11/23 14:54	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		04/07/23 08:16	04/11/23 14:54	1
Caprolactam	ND		5.0	2.2	ug/L		04/07/23 08:16	04/11/23 14:54	1
Carbazole	ND		5.0	0.30	ug/L		04/07/23 08:16	04/11/23 14:54	1
Chrysene	ND		5.0	0.33	ug/L		04/07/23 08:16	04/11/23 14:54	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Client Sample ID: TW-02

Lab Sample ID: 480-207523-2

Date Collected: 04/04/23 14:45

Matrix: Water

Date Received: 04/05/23 10:00

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		04/07/23 08:16	04/11/23 14:54	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		04/07/23 08:16	04/11/23 14:54	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		04/07/23 08:16	04/11/23 14:54	1
Dibenzofuran	ND		10	0.51	ug/L		04/07/23 08:16	04/11/23 14:54	1
Diethyl phthalate	ND		5.0	0.22	ug/L		04/07/23 08:16	04/11/23 14:54	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		04/07/23 08:16	04/11/23 14:54	1
Fluoranthene	ND		5.0	0.40	ug/L		04/07/23 08:16	04/11/23 14:54	1
Fluorene	ND		5.0	0.36	ug/L		04/07/23 08:16	04/11/23 14:54	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		04/07/23 08:16	04/11/23 14:54	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		04/07/23 08:16	04/11/23 14:54	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		04/07/23 08:16	04/11/23 14:54	1
Hexachloroethane	ND		5.0	0.59	ug/L		04/07/23 08:16	04/11/23 14:54	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		04/07/23 08:16	04/11/23 14:54	1
Isophorone	ND		5.0	0.43	ug/L		04/07/23 08:16	04/11/23 14:54	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		04/07/23 08:16	04/11/23 14:54	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		04/07/23 08:16	04/11/23 14:54	1
Naphthalene	ND		5.0	0.76	ug/L		04/07/23 08:16	04/11/23 14:54	1
Nitrobenzene	ND		5.0	0.29	ug/L		04/07/23 08:16	04/11/23 14:54	1
Pentachlorophenol	ND		10	2.2	ug/L		04/07/23 08:16	04/11/23 14:54	1
Phenanthrene	ND		5.0	0.44	ug/L		04/07/23 08:16	04/11/23 14:54	1
Phenol	ND		5.0	0.39	ug/L		04/07/23 08:16	04/11/23 14:54	1
Pyrene	ND		5.0	0.34	ug/L		04/07/23 08:16	04/11/23 14:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	74		46 - 120	04/07/23 08:16	04/11/23 14:54	1
Phenol-d5 (Surr)	40		22 - 120	04/07/23 08:16	04/11/23 14:54	1
p-Terphenyl-d14 (Surr)	87		60 - 148	04/07/23 08:16	04/11/23 14:54	1
2,4,6-Tribromophenol (Surr)	96		41 - 120	04/07/23 08:16	04/11/23 14:54	1
2-Fluorobiphenyl (Surr)	90		48 - 120	04/07/23 08:16	04/11/23 14:54	1
2-Fluorophenol (Surr)	58		35 - 120	04/07/23 08:16	04/11/23 14:54	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/06/23 08:24	04/11/23 20:04	1
PCB-1221	ND		0.50	0.18	ug/L		04/06/23 08:24	04/11/23 20:04	1
PCB-1232	ND		0.50	0.18	ug/L		04/06/23 08:24	04/11/23 20:04	1
PCB-1242	ND		0.50	0.18	ug/L		04/06/23 08:24	04/11/23 20:04	1
PCB-1248	ND		0.50	0.18	ug/L		04/06/23 08:24	04/11/23 20:04	1
PCB-1254	ND		0.50	0.25	ug/L		04/06/23 08:24	04/11/23 20:04	1
PCB-1260	ND		0.50	0.25	ug/L		04/06/23 08:24	04/11/23 20:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	67		39 - 121	04/06/23 08:24	04/11/23 20:04	1
Tetrachloro-m-xylene	65		39 - 121	04/06/23 08:24	04/11/23 20:04	1
DCB Decachlorobiphenyl	64		19 - 120	04/06/23 08:24	04/11/23 20:04	1
DCB Decachlorobiphenyl	71		19 - 120	04/06/23 08:24	04/11/23 20:04	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.24	J	0.33	0.10	mg/L		04/05/23 16:11	04/06/23 21:56	1

Eurofins Buffalo

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Client Sample ID: TW-02

Lab Sample ID: 480-207523-2

Date Collected: 04/04/23 14:45

Matrix: Water

Date Received: 04/05/23 10:00

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.033	0.011	mg/L		04/05/23 16:11	04/06/23 21:56	1
Arsenic	ND		0.025	0.0093	mg/L		04/05/23 16:11	04/07/23 18:34	1
Barium	0.19		0.0033	0.0012	mg/L		04/05/23 16:11	04/06/23 21:56	1
Beryllium	ND		0.0033	0.00050	mg/L		04/05/23 16:11	04/06/23 21:56	1
Cadmium	ND		0.0033	0.00083	mg/L		04/05/23 16:11	04/06/23 21:56	1
Calcium	182		0.83	0.17	mg/L		04/05/23 16:11	04/06/23 21:56	1
Chromium	ND		0.0067	0.0017	mg/L		04/05/23 16:11	04/06/23 21:56	1
Cobalt	ND		0.0067	0.0011	mg/L		04/05/23 16:11	04/06/23 21:56	1
Copper	0.0027	J	0.017	0.0027	mg/L		04/05/23 16:11	04/06/23 21:56	1
Iron	0.37		0.083	0.032	mg/L		04/05/23 16:11	04/06/23 21:56	1
Lead	ND		0.017	0.0050	mg/L		04/05/23 16:11	04/06/23 21:56	1
Magnesium	32.4		0.33	0.072	mg/L		04/05/23 16:11	04/06/23 21:56	1
Manganese	0.041		0.0050	0.00067	mg/L		04/05/23 16:11	04/06/23 21:56	1
Nickel	ND		0.017	0.0021	mg/L		04/05/23 16:11	04/06/23 21:56	1
Potassium	9.5		0.83	0.17	mg/L		04/05/23 16:11	04/06/23 21:56	1
Selenium	ND		0.042	0.015	mg/L		04/05/23 16:11	04/06/23 21:56	1
Silver	ND		0.010	0.0028	mg/L		04/05/23 16:11	04/06/23 21:56	1
Sodium	736		1.7	0.54	mg/L		04/05/23 16:11	04/06/23 21:56	1
Thallium	ND		0.033	0.017	mg/L		04/05/23 16:11	04/06/23 21:56	1
Vanadium	ND		0.0083	0.0025	mg/L		04/05/23 16:11	04/06/23 21:56	1
Zinc	0.0036	J B	0.017	0.0025	mg/L		04/05/23 16:11	04/06/23 21:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		04/10/23 10:31	04/10/23 15:25	1

Surrogate Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (80-120)	DCA (77-120)	BFB (73-120)	DBFM (75-123)
480-207523-1	TW-01	96	118	105	115
480-207523-2	TW-02	94	115	104	115
LCS 480-664293/6	Lab Control Sample	93	119	104	120
MB 480-664293/8	Method Blank	93	116	102	113

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (46-120)	PHL (22-120)	TPHd14 (60-148)	TBP (41-120)	FBP (48-120)	2FP (35-120)
480-207523-1	TW-01	74	38	89	83	89	53
480-207523-2	TW-02	74	40	87	96	90	58
LCS 480-664308/2-A	Lab Control Sample	76	47	99	92	86	60
MB 480-664308/1-A	Method Blank	61	34	96	72	72	49

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (39-121)	TCX2 (39-121)	DCBP1 (19-120)	DCBP2 (19-120)
480-207523-1	TW-01	73	79	78	70
480-207523-2	TW-02	65	67	71	64
LCS 480-664126/2-A	Lab Control Sample		70		59
LCSD 480-664126/3-A	Lab Control Sample Dup		67		57
MB 480-664126/1-A	Method Blank		67		59

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-664293/8

Matrix: Water

Analysis Batch: 664293

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/07/23 10:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/07/23 10:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/07/23 10:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/07/23 10:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/07/23 10:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/07/23 10:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/07/23 10:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/07/23 10:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/07/23 10:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/07/23 10:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/07/23 10:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/07/23 10:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/07/23 10:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/07/23 10:33	1
2-Hexanone	ND		5.0	1.2	ug/L			04/07/23 10:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/07/23 10:33	1
Acetone	ND		10	3.0	ug/L			04/07/23 10:33	1
Benzene	ND		1.0	0.41	ug/L			04/07/23 10:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/07/23 10:33	1
Bromoform	ND		1.0	0.26	ug/L			04/07/23 10:33	1
Bromomethane	ND		1.0	0.69	ug/L			04/07/23 10:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/07/23 10:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/07/23 10:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/07/23 10:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/07/23 10:33	1
Chloroethane	ND		1.0	0.32	ug/L			04/07/23 10:33	1
Chloroform	ND		1.0	0.34	ug/L			04/07/23 10:33	1
Chloromethane	ND		1.0	0.35	ug/L			04/07/23 10:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/07/23 10:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/07/23 10:33	1
Cyclohexane	ND		1.0	0.18	ug/L			04/07/23 10:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/07/23 10:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/07/23 10:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/07/23 10:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/07/23 10:33	1
Methyl acetate	ND		2.5	1.3	ug/L			04/07/23 10:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/07/23 10:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/07/23 10:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/07/23 10:33	1
Styrene	ND		1.0	0.73	ug/L			04/07/23 10:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/07/23 10:33	1
Toluene	ND		1.0	0.51	ug/L			04/07/23 10:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/07/23 10:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/07/23 10:33	1
Trichloroethene	ND		1.0	0.46	ug/L			04/07/23 10:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/07/23 10:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/07/23 10:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/07/23 10:33	1

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-664293/8

Matrix: Water

Analysis Batch: 664293

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120		04/07/23 10:33	1
1,2-Dichloroethane-d4 (Surr)	116		77 - 120		04/07/23 10:33	1
4-Bromofluorobenzene (Surr)	102		73 - 120		04/07/23 10:33	1
Dibromofluoromethane (Surr)	113		75 - 123		04/07/23 10:33	1

Lab Sample ID: LCS 480-664293/6

Matrix: Water

Analysis Batch: 664293

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	31.4		ug/L		125	73 - 126
1,1,2,2-Tetrachloroethane	25.0	20.0		ug/L		80	76 - 120
1,1,2-Trichloroethane	25.0	21.6		ug/L		86	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	32.2		ug/L		129	61 - 148
1,1-Dichloroethane	25.0	27.8		ug/L		111	77 - 120
1,1-Dichloroethene	25.0	28.9		ug/L		116	66 - 127
1,2,4-Trichlorobenzene	25.0	24.4		ug/L		98	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	20.7		ug/L		83	56 - 134
1,2-Dichlorobenzene	25.0	24.6		ug/L		98	80 - 124
1,2-Dichloroethane	25.0	29.8		ug/L		119	75 - 120
1,2-Dichloropropane	25.0	27.3		ug/L		109	76 - 120
1,3-Dichlorobenzene	25.0	24.7		ug/L		99	77 - 120
1,4-Dichlorobenzene	25.0	24.3		ug/L		97	80 - 120
2-Butanone (MEK)	125	153		ug/L		122	57 - 140
2-Hexanone	125	103		ug/L		82	65 - 127
4-Methyl-2-pentanone (MIBK)	125	108		ug/L		86	71 - 125
Acetone	125	177		ug/L		142	56 - 142
Benzene	25.0	28.1		ug/L		113	71 - 124
Bromodichloromethane	25.0	28.9		ug/L		116	80 - 122
Bromoform	25.0	28.1		ug/L		112	61 - 132
Bromomethane	25.0	29.0		ug/L		116	55 - 144
Carbon disulfide	25.0	29.0		ug/L		116	59 - 134
Carbon tetrachloride	25.0	35.4	*+	ug/L		142	72 - 134
Chlorobenzene	25.0	25.7		ug/L		103	80 - 120
Dibromochloromethane	25.0	27.5		ug/L		110	75 - 125
Chloroethane	25.0	24.4		ug/L		97	69 - 136
Chloroform	25.0	27.0		ug/L		108	73 - 127
Chloromethane	25.0	23.3		ug/L		93	68 - 124
cis-1,2-Dichloroethene	25.0	29.3		ug/L		117	74 - 124
cis-1,3-Dichloropropene	25.0	28.7		ug/L		115	74 - 124
Cyclohexane	25.0	32.0		ug/L		128	59 - 135
Dichlorodifluoromethane	25.0	28.7		ug/L		115	59 - 135
Ethylbenzene	25.0	23.3		ug/L		93	77 - 123
1,2-Dibromoethane	25.0	24.7		ug/L		99	77 - 120
Isopropylbenzene	25.0	24.1		ug/L		96	77 - 122
Methyl acetate	50.0	57.9		ug/L		116	74 - 133
Methyl tert-butyl ether	25.0	27.6		ug/L		110	77 - 120
Methylcyclohexane	25.0	33.0		ug/L		132	68 - 134

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-664293/6

Matrix: Water

Analysis Batch: 664293

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	26.6		ug/L		106	75 - 124
Styrene	25.0	24.2		ug/L		97	80 - 120
Tetrachloroethene	25.0	28.3		ug/L		113	74 - 122
Toluene	25.0	24.1		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	29.7		ug/L		119	73 - 127
trans-1,3-Dichloropropene	25.0	23.1		ug/L		92	80 - 120
Trichloroethene	25.0	30.9	*+	ug/L		124	74 - 123
Trichlorofluoromethane	25.0	29.2		ug/L		117	62 - 150
Vinyl chloride	25.0	25.5		ug/L		102	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	93		80 - 120
1,2-Dichloroethane-d4 (Surr)	119		77 - 120
4-Bromofluorobenzene (Surr)	104		73 - 120
Dibromofluoromethane (Surr)	120		75 - 123

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-664308/1-A

Matrix: Water

Analysis Batch: 664483

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 664308

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		04/07/23 08:16	04/10/23 13:04	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		04/07/23 08:16	04/10/23 13:04	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		04/07/23 08:16	04/10/23 13:04	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		04/07/23 08:16	04/10/23 13:04	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		04/07/23 08:16	04/10/23 13:04	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		04/07/23 08:16	04/10/23 13:04	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		04/07/23 08:16	04/10/23 13:04	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		04/07/23 08:16	04/10/23 13:04	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		04/07/23 08:16	04/10/23 13:04	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		04/07/23 08:16	04/10/23 13:04	1
2-Chlorophenol	ND		5.0	0.53	ug/L		04/07/23 08:16	04/10/23 13:04	1
2-Methylphenol	ND		5.0	0.40	ug/L		04/07/23 08:16	04/10/23 13:04	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		04/07/23 08:16	04/10/23 13:04	1
2-Nitroaniline	ND		10	0.42	ug/L		04/07/23 08:16	04/10/23 13:04	1
2-Nitrophenol	ND		5.0	0.48	ug/L		04/07/23 08:16	04/10/23 13:04	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		04/07/23 08:16	04/10/23 13:04	1
3-Nitroaniline	ND		10	0.48	ug/L		04/07/23 08:16	04/10/23 13:04	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		04/07/23 08:16	04/10/23 13:04	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		04/07/23 08:16	04/10/23 13:04	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		04/07/23 08:16	04/10/23 13:04	1
4-Chloroaniline	ND		5.0	0.59	ug/L		04/07/23 08:16	04/10/23 13:04	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		04/07/23 08:16	04/10/23 13:04	1
4-Methylphenol	ND		10	0.36	ug/L		04/07/23 08:16	04/10/23 13:04	1
4-Nitroaniline	ND		10	0.25	ug/L		04/07/23 08:16	04/10/23 13:04	1
4-Nitrophenol	ND		10	1.5	ug/L		04/07/23 08:16	04/10/23 13:04	1
Acenaphthene	ND		5.0	0.41	ug/L		04/07/23 08:16	04/10/23 13:04	1

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-664308/1-A

Matrix: Water

Analysis Batch: 664483

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 664308

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		5.0	0.38	ug/L		04/07/23 08:16	04/10/23 13:04	1
Acetophenone	ND		5.0	0.54	ug/L		04/07/23 08:16	04/10/23 13:04	1
Anthracene	ND		5.0	0.28	ug/L		04/07/23 08:16	04/10/23 13:04	1
Atrazine	ND		5.0	0.46	ug/L		04/07/23 08:16	04/10/23 13:04	1
Benzaldehyde	ND		5.0	0.27	ug/L		04/07/23 08:16	04/10/23 13:04	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		04/07/23 08:16	04/10/23 13:04	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		04/07/23 08:16	04/10/23 13:04	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		04/07/23 08:16	04/10/23 13:04	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		04/07/23 08:16	04/10/23 13:04	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		04/07/23 08:16	04/10/23 13:04	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		04/07/23 08:16	04/10/23 13:04	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		04/07/23 08:16	04/10/23 13:04	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		04/07/23 08:16	04/10/23 13:04	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		04/07/23 08:16	04/10/23 13:04	1
Caprolactam	ND		5.0	2.2	ug/L		04/07/23 08:16	04/10/23 13:04	1
Carbazole	ND		5.0	0.30	ug/L		04/07/23 08:16	04/10/23 13:04	1
Chrysene	ND		5.0	0.33	ug/L		04/07/23 08:16	04/10/23 13:04	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		04/07/23 08:16	04/10/23 13:04	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		04/07/23 08:16	04/10/23 13:04	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		04/07/23 08:16	04/10/23 13:04	1
Dibenzofuran	ND		10	0.51	ug/L		04/07/23 08:16	04/10/23 13:04	1
Diethyl phthalate	ND		5.0	0.22	ug/L		04/07/23 08:16	04/10/23 13:04	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		04/07/23 08:16	04/10/23 13:04	1
Fluoranthene	ND		5.0	0.40	ug/L		04/07/23 08:16	04/10/23 13:04	1
Fluorene	ND		5.0	0.36	ug/L		04/07/23 08:16	04/10/23 13:04	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		04/07/23 08:16	04/10/23 13:04	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		04/07/23 08:16	04/10/23 13:04	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		04/07/23 08:16	04/10/23 13:04	1
Hexachloroethane	ND		5.0	0.59	ug/L		04/07/23 08:16	04/10/23 13:04	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		04/07/23 08:16	04/10/23 13:04	1
Isophorone	ND		5.0	0.43	ug/L		04/07/23 08:16	04/10/23 13:04	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		04/07/23 08:16	04/10/23 13:04	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		04/07/23 08:16	04/10/23 13:04	1
Naphthalene	ND		5.0	0.76	ug/L		04/07/23 08:16	04/10/23 13:04	1
Nitrobenzene	ND		5.0	0.29	ug/L		04/07/23 08:16	04/10/23 13:04	1
Pentachlorophenol	ND		10	2.2	ug/L		04/07/23 08:16	04/10/23 13:04	1
Phenanthrene	ND		5.0	0.44	ug/L		04/07/23 08:16	04/10/23 13:04	1
Phenol	ND		5.0	0.39	ug/L		04/07/23 08:16	04/10/23 13:04	1
Pyrene	ND		5.0	0.34	ug/L		04/07/23 08:16	04/10/23 13:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	61		46 - 120	04/07/23 08:16	04/10/23 13:04	1
Phenol-d5 (Surr)	34		22 - 120	04/07/23 08:16	04/10/23 13:04	1
p-Terphenyl-d14 (Surr)	96		60 - 148	04/07/23 08:16	04/10/23 13:04	1
2,4,6-Tribromophenol (Surr)	72		41 - 120	04/07/23 08:16	04/10/23 13:04	1
2-Fluorobiphenyl (Surr)	72		48 - 120	04/07/23 08:16	04/10/23 13:04	1
2-Fluorophenol (Surr)	49		35 - 120	04/07/23 08:16	04/10/23 13:04	1

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-664308/2-A

Matrix: Water

Analysis Batch: 664483

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 664308

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biphenyl	32.0	28.1		ug/L		88	59 - 120
bis (2-chloroisopropyl) ether	32.0	27.0		ug/L		84	21 - 136
2,4,5-Trichlorophenol	32.0	31.8		ug/L		100	65 - 126
2,4,6-Trichlorophenol	32.0	33.3		ug/L		104	64 - 120
2,4-Dichlorophenol	32.0	28.6		ug/L		89	63 - 120
2,4-Dimethylphenol	32.0	27.5		ug/L		86	47 - 120
2,4-Dinitrophenol	64.0	69.2		ug/L		108	31 - 137
2,4-Dinitrotoluene	32.0	33.2		ug/L		104	69 - 120
2,6-Dinitrotoluene	32.0	32.0		ug/L		100	68 - 120
2-Chloronaphthalene	32.0	27.4		ug/L		85	58 - 120
2-Chlorophenol	32.0	25.7		ug/L		80	48 - 120
2-Methylphenol	32.0	24.5		ug/L		76	39 - 120
2-Methylnaphthalene	32.0	28.3		ug/L		88	59 - 120
2-Nitroaniline	32.0	28.5		ug/L		89	54 - 127
2-Nitrophenol	32.0	29.9		ug/L		93	52 - 125
3,3'-Dichlorobenzidine	64.0	49.3		ug/L		77	49 - 135
3-Nitroaniline	32.0	24.5		ug/L		77	51 - 120
4,6-Dinitro-2-methylphenol	64.0	77.6		ug/L		121	46 - 136
4-Bromophenyl phenyl ether	32.0	28.2		ug/L		88	65 - 120
4-Chloro-3-methylphenol	32.0	30.0		ug/L		94	61 - 123
4-Chloroaniline	32.0	19.4		ug/L		61	30 - 120
4-Chlorophenyl phenyl ether	32.0	29.6		ug/L		92	62 - 120
4-Methylphenol	32.0	23.9		ug/L		75	29 - 131
4-Nitroaniline	32.0	29.6		ug/L		92	65 - 120
4-Nitrophenol	64.0	53.1		ug/L		83	45 - 120
Acenaphthene	32.0	28.1		ug/L		88	60 - 120
Acenaphthylene	32.0	29.0		ug/L		91	63 - 120
Acetophenone	32.0	26.9		ug/L		84	45 - 120
Anthracene	32.0	30.6		ug/L		96	67 - 120
Atrazine	64.0	65.7		ug/L		103	71 - 130
Benzaldehyde	64.0	48.9		ug/L		76	10 - 140
Benzo[a]anthracene	32.0	33.0		ug/L		103	70 - 121
Benzo[a]pyrene	32.0	31.0		ug/L		97	60 - 123
Benzo[b]fluoranthene	32.0	32.6		ug/L		102	66 - 126
Benzo[g,h,i]perylene	32.0	31.0		ug/L		97	66 - 150
Benzo[k]fluoranthene	32.0	31.8		ug/L		100	65 - 124
Bis(2-chloroethoxy)methane	32.0	26.3		ug/L		82	50 - 128
Bis(2-chloroethyl)ether	32.0	28.3		ug/L		88	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	30.8		ug/L		96	63 - 139
Butyl benzyl phthalate	32.0	30.7		ug/L		96	70 - 129
Caprolactam	64.0	24.4		ug/L		38	22 - 120
Carbazole	32.0	35.3		ug/L		110	66 - 123
Chrysene	32.0	31.9		ug/L		100	69 - 120
Dibenz(a,h)anthracene	32.0	30.9		ug/L		96	65 - 135
Di-n-butyl phthalate	32.0	30.8		ug/L		96	69 - 131
Di-n-octyl phthalate	32.0	31.4		ug/L		98	63 - 140
Dibenzofuran	32.0	28.9		ug/L		90	66 - 120
Diethyl phthalate	32.0	31.5		ug/L		99	59 - 127

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-664308/2-A

Matrix: Water

Analysis Batch: 664483

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 664308

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dimethyl phthalate	32.0	30.8		ug/L		96	68 - 120
Fluoranthene	32.0	32.4		ug/L		101	69 - 126
Fluorene	32.0	29.4		ug/L		92	66 - 120
Hexachlorobenzene	32.0	27.8		ug/L		87	61 - 120
Hexachlorobutadiene	32.0	24.1		ug/L		75	35 - 120
Hexachlorocyclopentadiene	32.0	19.3		ug/L		60	31 - 120
Hexachloroethane	32.0	20.7		ug/L		65	43 - 120
Indeno[1,2,3-cd]pyrene	32.0	31.7		ug/L		99	69 - 146
Isophorone	32.0	26.6		ug/L		83	55 - 120
N-Nitrosodi-n-propylamine	32.0	26.0		ug/L		81	32 - 140
N-Nitrosodiphenylamine	32.0	30.0		ug/L		94	61 - 120
Naphthalene	32.0	29.0		ug/L		91	57 - 120
Nitrobenzene	32.0	25.6		ug/L		80	53 - 123
Pentachlorophenol	64.0	58.9		ug/L		92	29 - 136
Phenanthrene	32.0	29.2		ug/L		91	68 - 120
Phenol	32.0	16.3		ug/L		51	17 - 120
Pyrene	32.0	32.7		ug/L		102	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	76		46 - 120
Phenol-d5 (Surr)	47		22 - 120
p-Terphenyl-d14 (Surr)	99		60 - 148
2,4,6-Tribromophenol (Surr)	92		41 - 120
2-Fluorobiphenyl (Surr)	86		48 - 120
2-Fluorophenol (Surr)	60		35 - 120

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-664126/1-A

Matrix: Water

Analysis Batch: 664598

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 664126

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		04/06/23 08:24	04/11/23 13:09	1
PCB-1221	ND		0.50	0.18	ug/L		04/06/23 08:24	04/11/23 13:09	1
PCB-1232	ND		0.50	0.18	ug/L		04/06/23 08:24	04/11/23 13:09	1
PCB-1242	ND		0.50	0.18	ug/L		04/06/23 08:24	04/11/23 13:09	1
PCB-1248	ND		0.50	0.18	ug/L		04/06/23 08:24	04/11/23 13:09	1
PCB-1254	ND		0.50	0.25	ug/L		04/06/23 08:24	04/11/23 13:09	1
PCB-1260	ND		0.50	0.25	ug/L		04/06/23 08:24	04/11/23 13:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	67		39 - 121	04/06/23 08:24	04/11/23 13:09	1
DCB Decachlorobiphenyl	59		19 - 120	04/06/23 08:24	04/11/23 13:09	1

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 480-664126/2-A

Matrix: Water

Analysis Batch: 664598

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 664126

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	4.00	3.76		ug/L		94	62 - 130
PCB-1260	4.00	3.47		ug/L		87	56 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	70		39 - 121
DCB Decachlorobiphenyl	59		19 - 120

Lab Sample ID: LCSD 480-664126/3-A

Matrix: Water

Analysis Batch: 664598

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 664126

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	4.00	3.53		ug/L		88	62 - 130	6	50
PCB-1260	4.00	3.40		ug/L		85	56 - 123	2	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene	67		39 - 121
DCB Decachlorobiphenyl	57		19 - 120

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-664094/1-A

Matrix: Water

Analysis Batch: 664338

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 664094

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.33	0.10	mg/L		04/05/23 16:11	04/06/23 21:21	1
Antimony	ND		0.033	0.011	mg/L		04/05/23 16:11	04/06/23 21:21	1
Barium	ND		0.0033	0.0012	mg/L		04/05/23 16:11	04/06/23 21:21	1
Beryllium	ND		0.0033	0.00050	mg/L		04/05/23 16:11	04/06/23 21:21	1
Cadmium	ND		0.0033	0.00083	mg/L		04/05/23 16:11	04/06/23 21:21	1
Calcium	ND		0.83	0.17	mg/L		04/05/23 16:11	04/06/23 21:21	1
Chromium	ND		0.0067	0.0017	mg/L		04/05/23 16:11	04/06/23 21:21	1
Cobalt	ND		0.0067	0.0011	mg/L		04/05/23 16:11	04/06/23 21:21	1
Copper	ND		0.017	0.0027	mg/L		04/05/23 16:11	04/06/23 21:21	1
Iron	ND		0.083	0.032	mg/L		04/05/23 16:11	04/06/23 21:21	1
Lead	ND		0.017	0.0050	mg/L		04/05/23 16:11	04/06/23 21:21	1
Magnesium	ND		0.33	0.072	mg/L		04/05/23 16:11	04/06/23 21:21	1
Manganese	ND		0.0050	0.00067	mg/L		04/05/23 16:11	04/06/23 21:21	1
Nickel	ND		0.017	0.0021	mg/L		04/05/23 16:11	04/06/23 21:21	1
Potassium	ND		0.83	0.17	mg/L		04/05/23 16:11	04/06/23 21:21	1
Selenium	ND		0.042	0.015	mg/L		04/05/23 16:11	04/06/23 21:21	1
Silver	ND		0.010	0.0028	mg/L		04/05/23 16:11	04/06/23 21:21	1
Sodium	ND		1.7	0.54	mg/L		04/05/23 16:11	04/06/23 21:21	1
Thallium	ND		0.033	0.017	mg/L		04/05/23 16:11	04/06/23 21:21	1
Vanadium	ND		0.0083	0.0025	mg/L		04/05/23 16:11	04/06/23 21:21	1
Zinc	0.00257	J	0.017	0.0025	mg/L		04/05/23 16:11	04/06/23 21:21	1

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-664094/1-A

Matrix: Water

Analysis Batch: 664492

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 664094

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.025	0.0093	mg/L		04/05/23 16:11	04/07/23 18:10	1

Lab Sample ID: LCS 480-664094/2-A

Matrix: Water

Analysis Batch: 664338

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 664094

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	16.7	15.47		mg/L		93	80 - 120
Antimony	0.333	0.351		mg/L		105	80 - 120
Barium	0.333	0.351		mg/L		105	80 - 120
Beryllium	0.333	0.345		mg/L		103	80 - 120
Cadmium	0.333	0.329		mg/L		99	80 - 120
Calcium	16.7	15.29		mg/L		92	80 - 120
Chromium	0.333	0.336		mg/L		101	80 - 120
Cobalt	0.333	0.325		mg/L		97	80 - 120
Copper	0.333	0.320		mg/L		96	80 - 120
Iron	16.7	16.80		mg/L		101	80 - 120
Lead	0.333	0.333		mg/L		100	80 - 120
Magnesium	16.7	16.11		mg/L		97	80 - 120
Manganese	0.333	0.353		mg/L		106	80 - 120
Nickel	0.333	0.330		mg/L		99	80 - 120
Potassium	16.7	16.17		mg/L		97	80 - 120
Selenium	0.333	0.321		mg/L		96	80 - 120
Silver	0.0833	0.0745		mg/L		89	80 - 120
Sodium	16.7	16.17		mg/L		97	80 - 120
Thallium	0.333	0.347		mg/L		104	80 - 120
Vanadium	0.333	0.347		mg/L		104	80 - 120
Zinc	0.333	0.328		mg/L		99	80 - 120

Lab Sample ID: LCS 480-664094/2-A

Matrix: Water

Analysis Batch: 664492

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 664094

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.333	0.345		mg/L		104	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-664513/1-A

Matrix: Water

Analysis Batch: 664636

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 664513

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		04/10/23 10:31	04/10/23 15:18	1

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 480-664513/2-A

Matrix: Water

Analysis Batch: 664636

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 664513

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00669	0.00598		mg/L		89	80 - 120

QC Association Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

GC/MS VOA

Analysis Batch: 664293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207523-1	TW-01	Total/NA	Water	8260C	
480-207523-2	TW-02	Total/NA	Water	8260C	
MB 480-664293/8	Method Blank	Total/NA	Water	8260C	
LCS 480-664293/6	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 664308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207523-1	TW-01	Total/NA	Water	3510C	
480-207523-2	TW-02	Total/NA	Water	3510C	
MB 480-664308/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-664308/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 664483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-664308/1-A	Method Blank	Total/NA	Water	8270D	664308
LCS 480-664308/2-A	Lab Control Sample	Total/NA	Water	8270D	664308

Analysis Batch: 664487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207523-1	TW-01	Total/NA	Water	8270D	664308
480-207523-2	TW-02	Total/NA	Water	8270D	664308

GC Semi VOA

Prep Batch: 664126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207523-1	TW-01	Total/NA	Water	3510C	
480-207523-2	TW-02	Total/NA	Water	3510C	
MB 480-664126/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-664126/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-664126/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 664598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-664126/1-A	Method Blank	Total/NA	Water	8082A	664126
LCS 480-664126/2-A	Lab Control Sample	Total/NA	Water	8082A	664126
LCSD 480-664126/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	664126

Analysis Batch: 664820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207523-1	TW-01	Total/NA	Water	8082A	664126
480-207523-2	TW-02	Total/NA	Water	8082A	664126

Metals

Prep Batch: 664094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207523-1	TW-01	Total/NA	Water	3005A	
480-207523-2	TW-02	Total/NA	Water	3005A	
MB 480-664094/1-A	Method Blank	Total/NA	Water	3005A	

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QC Association Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Metals (Continued)

Prep Batch: 664094 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-664094/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 664338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207523-1	TW-01	Total/NA	Water	6010C	664094
480-207523-2	TW-02	Total/NA	Water	6010C	664094
MB 480-664094/1-A	Method Blank	Total/NA	Water	6010C	664094
LCS 480-664094/2-A	Lab Control Sample	Total/NA	Water	6010C	664094

Analysis Batch: 664492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207523-1	TW-01	Total/NA	Water	6010C	664094
480-207523-2	TW-02	Total/NA	Water	6010C	664094
MB 480-664094/1-A	Method Blank	Total/NA	Water	6010C	664094
LCS 480-664094/2-A	Lab Control Sample	Total/NA	Water	6010C	664094

Prep Batch: 664513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207523-1	TW-01	Total/NA	Water	7470A	
480-207523-2	TW-02	Total/NA	Water	7470A	
MB 480-664513/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-664513/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 664636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207523-1	TW-01	Total/NA	Water	7470A	664513
480-207523-2	TW-02	Total/NA	Water	7470A	664513
MB 480-664513/1-A	Method Blank	Total/NA	Water	7470A	664513
LCS 480-664513/2-A	Lab Control Sample	Total/NA	Water	7470A	664513

Lab Chronicle

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Client Sample ID: TW-01

Date Collected: 04/04/23 13:30

Date Received: 04/05/23 10:00

Lab Sample ID: 480-207523-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	664293	CB	EET BUF	04/07/23 11:15
Total/NA	Prep	3510C			664308	MS	EET BUF	04/07/23 08:16
Total/NA	Analysis	8270D		1	664487	JMM	EET BUF	04/11/23 14:26
Total/NA	Prep	3510C			664126	MS	EET BUF	04/06/23 08:24
Total/NA	Analysis	8082A		1	664820	DSC	EET BUF	04/11/23 19:50
Total/NA	Prep	3005A			664094	NVK	EET BUF	04/05/23 16:11
Total/NA	Analysis	6010C		1	664338	BMB	EET BUF	04/06/23 21:52
Total/NA	Prep	3005A			664094	NVK	EET BUF	04/05/23 16:11
Total/NA	Analysis	6010C		1	664492	LMH	EET BUF	04/07/23 18:30
Total/NA	Prep	7470A			664513	VAK	EET BUF	04/10/23 10:31
Total/NA	Analysis	7470A		1	664636	NVK	EET BUF	04/10/23 15:23

Client Sample ID: TW-02

Date Collected: 04/04/23 14:45

Date Received: 04/05/23 10:00

Lab Sample ID: 480-207523-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	664293	CB	EET BUF	04/07/23 11:39
Total/NA	Prep	3510C			664308	MS	EET BUF	04/07/23 08:16
Total/NA	Analysis	8270D		1	664487	JMM	EET BUF	04/11/23 14:54
Total/NA	Prep	3510C			664126	MS	EET BUF	04/06/23 08:24
Total/NA	Analysis	8082A		1	664820	DSC	EET BUF	04/11/23 20:04
Total/NA	Prep	3005A			664094	NVK	EET BUF	04/05/23 16:11
Total/NA	Analysis	6010C		1	664338	BMB	EET BUF	04/06/23 21:56
Total/NA	Prep	3005A			664094	NVK	EET BUF	04/05/23 16:11
Total/NA	Analysis	6010C		1	664492	LMH	EET BUF	04/07/23 18:34
Total/NA	Prep	7470A			664513	VAK	EET BUF	04/10/23 10:31
Total/NA	Analysis	7470A		1	664636	NVK	EET BUF	04/10/23 15:25

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Laboratory: Eurofins Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-24

- 1
- 2
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Method Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7470A	Mercury (CVAA)	SW846	EET BUF
3005A	Preparation, Total Metals	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF
7470A	Preparation, Mercury	SW846	EET BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207523-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-207523-1	TW-01	Water	04/04/23 13:30	04/05/23 10:00
480-207523-2	TW-02	Water	04/04/23 14:45	04/05/23 10:00

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Environment Testing

Client Information		Sampler: <u>G. Fischer</u>		Lab PM: Fischer, Brian J		Carrier Tracking No(s):		COC No: 480-182670-38789.1																							
Client Contact: Mr. George Fischer		Phone: <u>315 529 0474</u>		E-Mail: Brian.Fischer@et.eurofinsus.com		State of Origin: <u>NY</u>		Page: Page 1 of 2 <u>69</u>																							
Company: Asbestos & Environmental Consulting Corp		PWSID:		Analysis Requested																											
Address: 6308 Fly Road		Due Date Requested:		Field Filtered Sample (Yes or No) Perform: ☐ S/MSD (Yes or No) 8260C - (MOD) TCL list OLM04.2 6010C, 7471B, Moisture 8082A, 8270D 8082A - TCL PCBs - OLM04.2 8270D - TCL SVOA - OLM04.2 6010C, 7470A 8260C - TCL list OLM04.2 Total Number of containers																											
City: East Syracuse		TAT Requested (days): <u>10 day</u>																													
State, Zip: NY, 13057		Compliance Project: ☐ Yes ☐ No																													
Phone: 315-432-9400(Tel)		PO #: Purchase Order Requested																													
Email: gfischer@aecgroup.com		WO #:																													
Project Name: JP O'Brien - Utica, NY - Phase II ESA		Project #: 48026197		Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify)																											
Site:		SSOW#:																													
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=water/solid, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No)		Perform: ☐ S/MSD (Yes or No)		8260C - (MOD) TCL list OLM04.2		6010C, 7471B, Moisture		8082A, 8270D		8082A - TCL PCBs - OLM04.2		8270D - TCL SVOA - OLM04.2		6010C, 7470A		8260C - TCL list OLM04.2		Total Number of containers			
TW-01		4/4/23		12:30		G		W Solid																							
TW-02		4/4/23		14:45		G		W Solid																							
TW-03								W Solid																							
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Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Asbestos & Environmental Consulting Corp

Job Number: 480-207523-1

Login Number: 207523

List Source: Eurofins Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. George Fischer
Asbestos & Environmental Consulting Corp
6308 Fly Road
East Syracuse, New York 13057

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JOB DESCRIPTION

JP O'Brien - Utica, NY - Phase II ESA

JOB NUMBER

480-207563-1

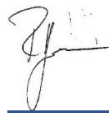
Eurofins Buffalo

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Definitions/Glossary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Job ID: 480-207563-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative 480-207563-1

Comments

No additional comments.

Receipt

The samples were received on 4/6/2023 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.6° C.

GC/MS Semi VOA

Method 8270D: The following samples were diluted due to color, appearance, and viscosity: SB-09-SS (480-207563-1), SB-10-SS (480-207563-2) and SB-13-SS (480-207563-5). Elevated reporting limits (RL) are provided.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: SB-09-SS (480-207563-1), SB-10-SS (480-207563-2) and SB-13-SS (480-207563-5). These results have been reported and qualified.

Method 8270D: The following sample was diluted due to color, appearance, and viscosity: SB-12-SS (480-207563-4). Elevated reporting limits (RL) are provided.

Method 8270D: The following sample was diluted due to the nature of the sample matrix: SB-12-SS (480-207563-4). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010C: The serial dilution and post spike (480-207563-A-2-B PDS) and (480-207563-A-2-B SD ^5), associated with batch 480-664769, exceeded the quality control limits for Total Barium. Sample matrix is suspected, therefore, no corrective action was necessary.

Method 6010C: The recovery of post spike, (480-207563-A-2-B PDS), associated with batch 480-665085, exhibited results outside quality control limits for Total Chromium, Copper, Magnesium, Manganese, Vanadium, and Zinc. However, the serial dilution (SD) of this sample was compliant, therefore no corrective action was necessary.

Method 6010C: The serial dilution and post spike (480-207563-A-2-B PDS) and (480-207563-A-2-B SD ^5), associated with batch 480-664769, exceeded the quality control limits for Total Aluminum, Calcium, and Iron. Sample matrix is suspected, therefore, no corrective action was necessary.

Method 6010C: The serial dilution (480-207563-A-2-B SD ^5) associated with batch 480-665278, exhibited a result outside the quality control limits for Total Potassium. However, the post digestion spike (PDS) was compliant, therefore no corrective action was necessary.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method 3550C: Due to the matrix, the following sample could not be concentrated to the final method required volume: SB-12-SS (480-207563-4). The reporting limits (RLs) are elevated proportionately.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Client Sample ID: SB-09-SS

Lab Sample ID: 480-207563-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	700	J	2200	320	ug/Kg	10	✱	8270D	Total/NA
Benzo[b]fluoranthene	810	J	2200	350	ug/Kg	10	✱	8270D	Total/NA
Benzo[g,h,i]perylene	510	J	2200	230	ug/Kg	10	✱	8270D	Total/NA
Benzo[k]fluoranthene	390	J	2200	290	ug/Kg	10	✱	8270D	Total/NA
Chrysene	690	J	2200	490	ug/Kg	10	✱	8270D	Total/NA
Fluoranthene	1400	J	2200	230	ug/Kg	10	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	470	J	2200	270	ug/Kg	10	✱	8270D	Total/NA
Phenanthrene	730	J	2200	320	ug/Kg	10	✱	8270D	Total/NA
Pyrene	920	J	2200	260	ug/Kg	10	✱	8270D	Total/NA
Aluminum	12300		12.7	5.6	mg/Kg	1	✱	6010C	Total/NA
Arsenic	21.0		2.5	0.51	mg/Kg	1	✱	6010C	Total/NA
Barium	85.4		0.64	0.14	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.52		0.25	0.036	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.38		0.25	0.038	mg/Kg	1	✱	6010C	Total/NA
Calcium	17700	B	63.7	4.2	mg/Kg	1	✱	6010C	Total/NA
Chromium	30.7	B	0.64	0.25	mg/Kg	1	✱	6010C	Total/NA
Cobalt	8.6		0.64	0.064	mg/Kg	1	✱	6010C	Total/NA
Copper	40.5		1.3	0.27	mg/Kg	1	✱	6010C	Total/NA
Iron	19200	B	12.7	4.5	mg/Kg	1	✱	6010C	Total/NA
Lead	87.8	B	1.3	0.31	mg/Kg	1	✱	6010C	Total/NA
Magnesium	4480		25.5	1.2	mg/Kg	1	✱	6010C	Total/NA
Manganese	730	B	0.25	0.041	mg/Kg	1	✱	6010C	Total/NA
Nickel	23.8	B	6.4	0.29	mg/Kg	1	✱	6010C	Total/NA
Potassium	2510		38.2	25.5	mg/Kg	1	✱	6010C	Total/NA
Sodium	164	J B	178	16.6	mg/Kg	1	✱	6010C	Total/NA
Vanadium	27.6		0.64	0.14	mg/Kg	1	✱	6010C	Total/NA
Zinc	130		2.5	0.82	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.25		0.028	0.0064	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: SB-10-SS

Lab Sample ID: 480-207563-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	690	J	2200	320	ug/Kg	10	✱	8270D	Total/NA
Benzo[b]fluoranthene	880	J	2200	350	ug/Kg	10	✱	8270D	Total/NA
Benzo[g,h,i]perylene	520	J	2200	230	ug/Kg	10	✱	8270D	Total/NA
Benzo[k]fluoranthene	360	J	2200	280	ug/Kg	10	✱	8270D	Total/NA
Chrysene	700	J	2200	490	ug/Kg	10	✱	8270D	Total/NA
Fluoranthene	1500	J	2200	230	ug/Kg	10	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	500	J	2200	270	ug/Kg	10	✱	8270D	Total/NA
Phenanthrene	680	J	2200	320	ug/Kg	10	✱	8270D	Total/NA
Pyrene	940	J	2200	260	ug/Kg	10	✱	8270D	Total/NA
Aluminum	16000		13.3	5.8	mg/Kg	1	✱	6010C	Total/NA
Arsenic	6.5		2.7	0.53	mg/Kg	1	✱	6010C	Total/NA
Barium	97.9	F1	0.66	0.15	mg/Kg	1	✱	6010C	Total/NA
Beryllium	0.77		0.27	0.037	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.36		0.27	0.040	mg/Kg	1	✱	6010C	Total/NA
Calcium	3390	B F1	66.4	4.4	mg/Kg	1	✱	6010C	Total/NA
Chromium	26.5	B	0.66	0.27	mg/Kg	1	✱	6010C	Total/NA
Cobalt	11.7		0.66	0.066	mg/Kg	1	✱	6010C	Total/NA
Copper	31.2		1.3	0.28	mg/Kg	1	✱	6010C	Total/NA
Iron	23700	B	13.3	4.6	mg/Kg	1	✱	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Client Sample ID: SB-10-SS (Continued)

Lab Sample ID: 480-207563-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lead	91.7	B	1.3	0.32	mg/Kg	1	✱		6010C	Total/NA
Magnesium	4380	F1	26.6	1.2	mg/Kg	1	✱		6010C	Total/NA
Manganese	738	B	0.27	0.042	mg/Kg	1	✱		6010C	Total/NA
Nickel	32.5	B	6.6	0.31	mg/Kg	1	✱		6010C	Total/NA
Potassium	3540	F1	39.8	26.6	mg/Kg	1	✱		6010C	Total/NA
Sodium	181	J B	186	17.3	mg/Kg	1	✱		6010C	Total/NA
Vanadium	37.3	F1	0.66	0.15	mg/Kg	1	✱		6010C	Total/NA
Zinc	97.1		2.7	0.85	mg/Kg	1	✱		6010C	Total/NA
Mercury	0.21		0.026	0.0059	mg/Kg	1	✱		7471B	Total/NA

Client Sample ID: SB-11-SS

Lab Sample ID: 480-207563-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acenaphthene	48	J	200	30	ug/Kg	1	✱		8270D	Total/NA
Acenaphthylene	31	J	200	26	ug/Kg	1	✱		8270D	Total/NA
Anthracene	130	J	200	50	ug/Kg	1	✱		8270D	Total/NA
Benzo[a]anthracene	520		200	20	ug/Kg	1	✱		8270D	Total/NA
Benzo[a]pyrene	610		200	30	ug/Kg	1	✱		8270D	Total/NA
Benzo[b]fluoranthene	670		200	32	ug/Kg	1	✱		8270D	Total/NA
Benzo[g,h,i]perylene	470		200	21	ug/Kg	1	✱		8270D	Total/NA
Benzo[k]fluoranthene	380		200	26	ug/Kg	1	✱		8270D	Total/NA
Bis(2-ethylhexyl) phthalate	850		200	69	ug/Kg	1	✱		8270D	Total/NA
Carbazole	70	J	200	24	ug/Kg	1	✱		8270D	Total/NA
Chrysene	610		200	45	ug/Kg	1	✱		8270D	Total/NA
Dibenz(a,h)anthracene	120	J	200	36	ug/Kg	1	✱		8270D	Total/NA
Dibenzofuran	27	J	200	24	ug/Kg	1	✱		8270D	Total/NA
Fluoranthene	1100		200	21	ug/Kg	1	✱		8270D	Total/NA
Fluorene	42	J	200	24	ug/Kg	1	✱		8270D	Total/NA
Indeno[1,2,3-cd]pyrene	410		200	25	ug/Kg	1	✱		8270D	Total/NA
Phenanthrene	640		200	30	ug/Kg	1	✱		8270D	Total/NA
Pyrene	1000		200	24	ug/Kg	1	✱		8270D	Total/NA
Aluminum	11100		11.7	5.2	mg/Kg	1	✱		6010C	Total/NA
Arsenic	7.6		2.3	0.47	mg/Kg	1	✱		6010C	Total/NA
Barium	72.2		0.59	0.13	mg/Kg	1	✱		6010C	Total/NA
Beryllium	0.47		0.23	0.033	mg/Kg	1	✱		6010C	Total/NA
Cadmium	0.30		0.23	0.035	mg/Kg	1	✱		6010C	Total/NA
Calcium	26000	B	58.7	3.9	mg/Kg	1	✱		6010C	Total/NA
Chromium	17.0	B	0.59	0.23	mg/Kg	1	✱		6010C	Total/NA
Cobalt	7.4		0.59	0.059	mg/Kg	1	✱		6010C	Total/NA
Copper	28.1		1.2	0.25	mg/Kg	1	✱		6010C	Total/NA
Iron	19500	B	11.7	4.1	mg/Kg	1	✱		6010C	Total/NA
Lead	113	B	1.2	0.28	mg/Kg	1	✱		6010C	Total/NA
Magnesium	4520		23.5	1.1	mg/Kg	1	✱		6010C	Total/NA
Manganese	713	B	0.23	0.038	mg/Kg	1	✱		6010C	Total/NA
Nickel	19.9	B	5.9	0.27	mg/Kg	1	✱		6010C	Total/NA
Potassium	2630		35.2	23.5	mg/Kg	1	✱		6010C	Total/NA
Sodium	214	B	164	15.3	mg/Kg	1	✱		6010C	Total/NA
Vanadium	24.2		0.59	0.13	mg/Kg	1	✱		6010C	Total/NA
Zinc	93.9		2.3	0.75	mg/Kg	1	✱		6010C	Total/NA
Mercury	0.61	F1 F2	0.025	0.0058	mg/Kg	1	✱		7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Client Sample ID: SB-12-SS

Lab Sample ID: 480-207563-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Aluminum	7360		13.7	6.0	mg/Kg	1	✱		6010C	Total/NA
Arsenic	4.4		2.7	0.55	mg/Kg	1	✱		6010C	Total/NA
Barium	45.3		0.68	0.15	mg/Kg	1	✱		6010C	Total/NA
Beryllium	0.36		0.27	0.038	mg/Kg	1	✱		6010C	Total/NA
Cadmium	0.77		0.27	0.041	mg/Kg	1	✱		6010C	Total/NA
Calcium	97800	B	68.4	4.5	mg/Kg	1	✱		6010C	Total/NA
Chromium	14.4	B	0.68	0.27	mg/Kg	1	✱		6010C	Total/NA
Cobalt	5.5		0.68	0.068	mg/Kg	1	✱		6010C	Total/NA
Copper	20.5		1.4	0.29	mg/Kg	1	✱		6010C	Total/NA
Iron	13100	B	13.7	4.8	mg/Kg	1	✱		6010C	Total/NA
Lead	120	B	1.4	0.33	mg/Kg	1	✱		6010C	Total/NA
Magnesium	5840		27.4	1.3	mg/Kg	1	✱		6010C	Total/NA
Manganese	354	B	0.27	0.044	mg/Kg	1	✱		6010C	Total/NA
Nickel	20.6	B	6.8	0.31	mg/Kg	1	✱		6010C	Total/NA
Potassium	2330		41.0	27.4	mg/Kg	1	✱		6010C	Total/NA
Sodium	285	B	192	17.8	mg/Kg	1	✱		6010C	Total/NA
Vanadium	23.0		0.68	0.15	mg/Kg	1	✱		6010C	Total/NA
Zinc	92.1		2.7	0.88	mg/Kg	1	✱		6010C	Total/NA
Mercury	0.052		0.024	0.0055	mg/Kg	1	✱		7471B	Total/NA

Client Sample ID: SB-13-SS

Lab Sample ID: 480-207563-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acenaphthylene	140	J	1000	130	ug/Kg	5	✱		8270D	Total/NA
Benzo[a]anthracene	230	J	1000	100	ug/Kg	5	✱		8270D	Total/NA
Benzo[a]pyrene	420	J	1000	150	ug/Kg	5	✱		8270D	Total/NA
Benzo[b]fluoranthene	450	J	1000	160	ug/Kg	5	✱		8270D	Total/NA
Benzo[g,h,i]perylene	500	J	1000	110	ug/Kg	5	✱		8270D	Total/NA
Benzo[k]fluoranthene	230	J	1000	130	ug/Kg	5	✱		8270D	Total/NA
Chrysene	310	J	1000	220	ug/Kg	5	✱		8270D	Total/NA
Fluoranthene	520	J	1000	110	ug/Kg	5	✱		8270D	Total/NA
Indeno[1,2,3-cd]pyrene	390	J	1000	120	ug/Kg	5	✱		8270D	Total/NA
Phenanthrene	190	J	1000	150	ug/Kg	5	✱		8270D	Total/NA
Pyrene	360	J	1000	120	ug/Kg	5	✱		8270D	Total/NA
Aluminum	12200		12.3	5.4	mg/Kg	1	✱		6010C	Total/NA
Arsenic	17.9		2.5	0.49	mg/Kg	1	✱		6010C	Total/NA
Barium	73.1		0.62	0.14	mg/Kg	1	✱		6010C	Total/NA
Beryllium	0.41		0.25	0.034	mg/Kg	1	✱		6010C	Total/NA
Cadmium	0.38		0.25	0.037	mg/Kg	1	✱		6010C	Total/NA
Calcium	29200	B	61.6	4.1	mg/Kg	1	✱		6010C	Total/NA
Chromium	15.5	B	0.62	0.25	mg/Kg	1	✱		6010C	Total/NA
Cobalt	51.8		0.62	0.062	mg/Kg	1	✱		6010C	Total/NA
Copper	31.0		1.2	0.26	mg/Kg	1	✱		6010C	Total/NA
Iron	23200	B	12.3	4.3	mg/Kg	1	✱		6010C	Total/NA
Lead	184	B	1.2	0.30	mg/Kg	1	✱		6010C	Total/NA
Magnesium	3630		24.6	1.1	mg/Kg	1	✱		6010C	Total/NA
Manganese	803	B	0.25	0.039	mg/Kg	1	✱		6010C	Total/NA
Nickel	64.6	B	6.2	0.28	mg/Kg	1	✱		6010C	Total/NA
Potassium	2840	B	37.0	24.6	mg/Kg	1	✱		6010C	Total/NA
Selenium	0.62	J	4.9	0.49	mg/Kg	1	✱		6010C	Total/NA
Sodium	141	J B	172	16.0	mg/Kg	1	✱		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Client Sample ID: SB-13-SS (Continued)

Lab Sample ID: 480-207563-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Vanadium	23.4		0.62	0.14	mg/Kg	1		✱	6010C	Total/NA
Zinc	97.8		2.5	0.79	mg/Kg	1		✱	6010C	Total/NA
Mercury	0.15		0.025	0.0056	mg/Kg	1		✱	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Client Sample ID: SB-09-SS

Lab Sample ID: 480-207563-1

Date Collected: 04/05/23 10:15

Matrix: Solid

Date Received: 04/06/23 10:00

Percent Solids: 74.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2200	320	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
bis (2-chloroisopropyl) ether	ND		2200	440	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
2,4,5-Trichlorophenol	ND		2200	600	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
2,4,6-Trichlorophenol	ND		2200	440	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
2,4-Dichlorophenol	ND		2200	230	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
2,4-Dimethylphenol	ND		2200	530	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
2,4-Dinitrophenol	ND		22000	10000	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
2,4-Dinitrotoluene	ND		2200	450	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
2,6-Dinitrotoluene	ND		2200	260	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
2-Chloronaphthalene	ND		2200	360	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
2-Chlorophenol	ND		4300	400	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
2-Methylphenol	ND		2200	260	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
2-Methylnaphthalene	ND		2200	440	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
2-Nitroaniline	ND		4300	320	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
2-Nitrophenol	ND		2200	620	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
3,3'-Dichlorobenzidine	ND		4300	2600	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
3-Nitroaniline	ND		4300	610	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
4,6-Dinitro-2-methylphenol	ND		4300	2200	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
4-Bromophenyl phenyl ether	ND		2200	310	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
4-Chloro-3-methylphenol	ND		2200	550	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
4-Chloroaniline	ND		2200	550	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
4-Chlorophenyl phenyl ether	ND		2200	270	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
4-Methylphenol	ND		4300	260	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
4-Nitroaniline	ND		4300	1200	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
4-Nitrophenol	ND		4300	1500	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
Acenaphthene	ND		2200	320	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
Acenaphthylene	ND		2200	290	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
Acetophenone	ND		2200	300	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
Anthracene	ND		2200	550	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
Atrazine	ND		2200	770	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
Benzaldehyde	ND		2200	1800	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
Benzo[a]anthracene	ND		2200	220	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
Benzo[a]pyrene	700	J	2200	320	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
Benzo[b]fluoranthene	810	J	2200	350	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
Benzo[g,h,i]perylene	510	J	2200	230	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
Benzo[k]fluoranthene	390	J	2200	290	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
Bis(2-chloroethoxy)methane	ND		2200	470	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
Bis(2-chloroethyl)ether	ND		2200	290	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
Bis(2-ethylhexyl) phthalate	ND		2200	750	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
Butyl benzyl phthalate	ND		2200	360	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
Caprolactam	ND		2200	660	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
Carbazole	ND		2200	260	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
Chrysene	690	J	2200	490	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
Dibenz(a,h)anthracene	ND		2200	390	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
Di-n-butyl phthalate	ND		2200	380	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
Di-n-octyl phthalate	ND		2200	260	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
Dibenzofuran	ND		2200	260	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
Diethyl phthalate	ND		2200	290	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10
Dimethyl phthalate	ND		2200	260	ug/Kg	☆	04/10/23 07:22	04/15/23 02:15	10

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Client Sample ID: SB-09-SS

Lab Sample ID: 480-207563-1

Date Collected: 04/05/23 10:15

Matrix: Solid

Date Received: 04/06/23 10:00

Percent Solids: 74.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	1400	J	2200	230	ug/Kg	✱	04/10/23 07:22	04/15/23 02:15	10
Fluorene	ND		2200	260	ug/Kg	✱	04/10/23 07:22	04/15/23 02:15	10
Hexachlorobenzene	ND		2200	300	ug/Kg	✱	04/10/23 07:22	04/15/23 02:15	10
Hexachlorobutadiene	ND		2200	320	ug/Kg	✱	04/10/23 07:22	04/15/23 02:15	10
Hexachlorocyclopentadiene	ND		2200	300	ug/Kg	✱	04/10/23 07:22	04/15/23 02:15	10
Hexachloroethane	ND		2200	290	ug/Kg	✱	04/10/23 07:22	04/15/23 02:15	10
Indeno[1,2,3-cd]pyrene	470	J	2200	270	ug/Kg	✱	04/10/23 07:22	04/15/23 02:15	10
Isophorone	ND		2200	470	ug/Kg	✱	04/10/23 07:22	04/15/23 02:15	10
N-Nitrosodi-n-propylamine	ND		2200	380	ug/Kg	✱	04/10/23 07:22	04/15/23 02:15	10
N-Nitrosodiphenylamine	ND		2200	1800	ug/Kg	✱	04/10/23 07:22	04/15/23 02:15	10
Naphthalene	ND		2200	290	ug/Kg	✱	04/10/23 07:22	04/15/23 02:15	10
Nitrobenzene	ND		2200	250	ug/Kg	✱	04/10/23 07:22	04/15/23 02:15	10
Pentachlorophenol	ND		4300	2200	ug/Kg	✱	04/10/23 07:22	04/15/23 02:15	10
Phenanthrene	730	J	2200	320	ug/Kg	✱	04/10/23 07:22	04/15/23 02:15	10
Phenol	ND		2200	340	ug/Kg	✱	04/10/23 07:22	04/15/23 02:15	10
Pyrene	920	J	2200	260	ug/Kg	✱	04/10/23 07:22	04/15/23 02:15	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	67		53 - 120	04/10/23 07:22	04/15/23 02:15	10
Phenol-d5 (Surr)	61		54 - 120	04/10/23 07:22	04/15/23 02:15	10
p-Terphenyl-d14 (Surr)	66	S1-	79 - 130	04/10/23 07:22	04/15/23 02:15	10
2,4,6-Tribromophenol (Surr)	76		54 - 120	04/10/23 07:22	04/15/23 02:15	10
2-Fluorobiphenyl (Surr)	69		60 - 120	04/10/23 07:22	04/15/23 02:15	10
2-Fluorophenol (Surr)	68		52 - 120	04/10/23 07:22	04/15/23 02:15	10

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12300		12.7	5.6	mg/Kg	✱	04/11/23 14:51	04/13/23 18:00	1
Antimony	ND		19.1	0.51	mg/Kg	✱	04/11/23 14:51	04/12/23 20:56	1
Arsenic	21.0		2.5	0.51	mg/Kg	✱	04/11/23 14:51	04/12/23 20:56	1
Barium	85.4		0.64	0.14	mg/Kg	✱	04/11/23 14:51	04/12/23 20:56	1
Beryllium	0.52		0.25	0.036	mg/Kg	✱	04/11/23 14:51	04/12/23 20:56	1
Cadmium	0.38		0.25	0.038	mg/Kg	✱	04/11/23 14:51	04/12/23 20:56	1
Calcium	17700	B	63.7	4.2	mg/Kg	✱	04/11/23 14:51	04/12/23 20:56	1
Chromium	30.7	B	0.64	0.25	mg/Kg	✱	04/11/23 14:51	04/12/23 20:56	1
Cobalt	8.6		0.64	0.064	mg/Kg	✱	04/11/23 14:51	04/12/23 20:56	1
Copper	40.5		1.3	0.27	mg/Kg	✱	04/11/23 14:51	04/12/23 20:56	1
Iron	19200	B	12.7	4.5	mg/Kg	✱	04/11/23 14:51	04/13/23 18:00	1
Lead	87.8	B	1.3	0.31	mg/Kg	✱	04/11/23 14:51	04/12/23 20:56	1
Magnesium	4480		25.5	1.2	mg/Kg	✱	04/11/23 14:51	04/12/23 20:56	1
Manganese	730	B	0.25	0.041	mg/Kg	✱	04/11/23 14:51	04/12/23 20:56	1
Nickel	23.8	B	6.4	0.29	mg/Kg	✱	04/11/23 14:51	04/12/23 20:56	1
Potassium	2510		38.2	25.5	mg/Kg	✱	04/11/23 14:51	04/13/23 18:00	1
Selenium	ND		5.1	0.51	mg/Kg	✱	04/11/23 14:51	04/12/23 20:56	1
Silver	ND		0.76	0.25	mg/Kg	✱	04/11/23 14:51	04/12/23 20:56	1
Sodium	164	J B	178	16.6	mg/Kg	✱	04/11/23 14:51	04/12/23 20:56	1
Thallium	ND		7.6	0.38	mg/Kg	✱	04/11/23 14:51	04/12/23 20:56	1
Vanadium	27.6		0.64	0.14	mg/Kg	✱	04/11/23 14:51	04/12/23 20:56	1
Zinc	130		2.5	0.82	mg/Kg	✱	04/11/23 14:51	04/12/23 20:56	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Client Sample ID: SB-09-SS

Lab Sample ID: 480-207563-1

Date Collected: 04/05/23 10:15

Matrix: Solid

Date Received: 04/06/23 10:00

Percent Solids: 74.9

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.25		0.028	0.0064	mg/Kg	☼	04/13/23 10:54	04/13/23 12:54	1

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Client Sample ID: SB-10-SS

Lab Sample ID: 480-207563-2

Date Collected: 04/05/23 10:22

Matrix: Solid

Date Received: 04/06/23 10:00

Percent Solids: 76.5

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2200	320	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
bis (2-chloroisopropyl) ether	ND		2200	440	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
2,4,5-Trichlorophenol	ND		2200	600	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
2,4,6-Trichlorophenol	ND		2200	440	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
2,4-Dichlorophenol	ND		2200	230	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
2,4-Dimethylphenol	ND		2200	530	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
2,4-Dinitrophenol	ND		21000	10000	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
2,4-Dinitrotoluene	ND		2200	450	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
2,6-Dinitrotoluene	ND		2200	260	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
2-Chloronaphthalene	ND		2200	360	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
2-Chlorophenol	ND		4300	400	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
2-Methylphenol	ND		2200	260	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
2-Methylnaphthalene	ND		2200	440	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
2-Nitroaniline	ND		4300	320	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
2-Nitrophenol	ND		2200	620	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
3,3'-Dichlorobenzidine	ND		4300	2600	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
3-Nitroaniline	ND		4300	610	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
4,6-Dinitro-2-methylphenol	ND		4300	2200	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
4-Bromophenyl phenyl ether	ND		2200	310	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
4-Chloro-3-methylphenol	ND		2200	540	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
4-Chloroaniline	ND		2200	540	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
4-Chlorophenyl phenyl ether	ND		2200	270	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
4-Methylphenol	ND		4300	260	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
4-Nitroaniline	ND		4300	1200	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
4-Nitrophenol	ND		4300	1500	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
Acenaphthene	ND		2200	320	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
Acenaphthylene	ND		2200	280	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
Acetophenone	ND		2200	300	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
Anthracene	ND		2200	540	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
Atrazine	ND		2200	760	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
Benzaldehyde	ND		2200	1700	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
Benzo[a]anthracene	ND		2200	220	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
Benzo[a]pyrene	690	J	2200	320	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
Benzo[b]fluoranthene	880	J	2200	350	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
Benzo[g,h,i]perylene	520	J	2200	230	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
Benzo[k]fluoranthene	360	J	2200	280	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
Bis(2-chloroethoxy)methane	ND		2200	470	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
Bis(2-chloroethyl)ether	ND		2200	280	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
Bis(2-ethylhexyl) phthalate	ND		2200	750	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
Butyl benzyl phthalate	ND		2200	360	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
Caprolactam	ND		2200	660	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
Carbazole	ND		2200	260	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
Chrysene	700	J	2200	490	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
Dibenz(a,h)anthracene	ND		2200	390	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
Di-n-butyl phthalate	ND		2200	380	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
Di-n-octyl phthalate	ND		2200	260	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
Dibenzofuran	ND		2200	260	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
Diethyl phthalate	ND		2200	280	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10
Dimethyl phthalate	ND		2200	260	ug/Kg	☆	04/10/23 07:22	04/15/23 02:39	10

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Client Sample ID: SB-10-SS

Lab Sample ID: 480-207563-2

Date Collected: 04/05/23 10:22

Matrix: Solid

Date Received: 04/06/23 10:00

Percent Solids: 76.5

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	1500	J	2200	230	ug/Kg	✱	04/10/23 07:22	04/15/23 02:39	10
Fluorene	ND		2200	260	ug/Kg	✱	04/10/23 07:22	04/15/23 02:39	10
Hexachlorobenzene	ND		2200	300	ug/Kg	✱	04/10/23 07:22	04/15/23 02:39	10
Hexachlorobutadiene	ND		2200	320	ug/Kg	✱	04/10/23 07:22	04/15/23 02:39	10
Hexachlorocyclopentadiene	ND		2200	300	ug/Kg	✱	04/10/23 07:22	04/15/23 02:39	10
Hexachloroethane	ND		2200	280	ug/Kg	✱	04/10/23 07:22	04/15/23 02:39	10
Indeno[1,2,3-cd]pyrene	500	J	2200	270	ug/Kg	✱	04/10/23 07:22	04/15/23 02:39	10
Isophorone	ND		2200	470	ug/Kg	✱	04/10/23 07:22	04/15/23 02:39	10
N-Nitrosodi-n-propylamine	ND		2200	380	ug/Kg	✱	04/10/23 07:22	04/15/23 02:39	10
N-Nitrosodiphenylamine	ND		2200	1800	ug/Kg	✱	04/10/23 07:22	04/15/23 02:39	10
Naphthalene	ND		2200	280	ug/Kg	✱	04/10/23 07:22	04/15/23 02:39	10
Nitrobenzene	ND		2200	250	ug/Kg	✱	04/10/23 07:22	04/15/23 02:39	10
Pentachlorophenol	ND		4300	2200	ug/Kg	✱	04/10/23 07:22	04/15/23 02:39	10
Phenanthrene	680	J	2200	320	ug/Kg	✱	04/10/23 07:22	04/15/23 02:39	10
Phenol	ND		2200	340	ug/Kg	✱	04/10/23 07:22	04/15/23 02:39	10
Pyrene	940	J	2200	260	ug/Kg	✱	04/10/23 07:22	04/15/23 02:39	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	81		53 - 120	04/10/23 07:22	04/15/23 02:39	10
Phenol-d5 (Surr)	76		54 - 120	04/10/23 07:22	04/15/23 02:39	10
p-Terphenyl-d14 (Surr)	77	S1-	79 - 130	04/10/23 07:22	04/15/23 02:39	10
2,4,6-Tribromophenol (Surr)	67		54 - 120	04/10/23 07:22	04/15/23 02:39	10
2-Fluorobiphenyl (Surr)	79		60 - 120	04/10/23 07:22	04/15/23 02:39	10
2-Fluorophenol (Surr)	69		52 - 120	04/10/23 07:22	04/15/23 02:39	10

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	16000		13.3	5.8	mg/Kg	✱	04/11/23 14:51	04/13/23 18:15	1
Antimony	ND	F1	19.9	0.53	mg/Kg	✱	04/11/23 14:51	04/12/23 21:00	1
Arsenic	6.5		2.7	0.53	mg/Kg	✱	04/11/23 14:51	04/12/23 21:00	1
Barium	97.9	F1	0.66	0.15	mg/Kg	✱	04/11/23 14:51	04/12/23 21:00	1
Beryllium	0.77		0.27	0.037	mg/Kg	✱	04/11/23 14:51	04/12/23 21:00	1
Cadmium	0.36		0.27	0.040	mg/Kg	✱	04/11/23 14:51	04/12/23 21:00	1
Calcium	3390	B F1	66.4	4.4	mg/Kg	✱	04/11/23 14:51	04/13/23 18:15	1
Chromium	26.5	B	0.66	0.27	mg/Kg	✱	04/11/23 14:51	04/12/23 21:00	1
Cobalt	11.7		0.66	0.066	mg/Kg	✱	04/11/23 14:51	04/12/23 21:00	1
Copper	31.2		1.3	0.28	mg/Kg	✱	04/11/23 14:51	04/12/23 21:00	1
Iron	23700	B	13.3	4.6	mg/Kg	✱	04/11/23 14:51	04/13/23 18:15	1
Lead	91.7	B	1.3	0.32	mg/Kg	✱	04/11/23 14:51	04/12/23 21:00	1
Magnesium	4380	F1	26.6	1.2	mg/Kg	✱	04/11/23 14:51	04/12/23 21:00	1
Manganese	738	B	0.27	0.042	mg/Kg	✱	04/11/23 14:51	04/12/23 21:00	1
Nickel	32.5	B	6.6	0.31	mg/Kg	✱	04/11/23 14:51	04/12/23 21:00	1
Potassium	3540	F1	39.8	26.6	mg/Kg	✱	04/11/23 14:51	04/13/23 18:15	1
Selenium	ND		5.3	0.53	mg/Kg	✱	04/11/23 14:51	04/12/23 21:00	1
Silver	ND		0.80	0.27	mg/Kg	✱	04/11/23 14:51	04/12/23 21:00	1
Sodium	181	J B	186	17.3	mg/Kg	✱	04/11/23 14:51	04/12/23 21:00	1
Thallium	ND		8.0	0.40	mg/Kg	✱	04/11/23 14:51	04/12/23 21:00	1
Vanadium	37.3	F1	0.66	0.15	mg/Kg	✱	04/11/23 14:51	04/12/23 21:00	1
Zinc	97.1		2.7	0.85	mg/Kg	✱	04/11/23 14:51	04/12/23 21:00	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Client Sample ID: SB-10-SS

Lab Sample ID: 480-207563-2

Date Collected: 04/05/23 10:22

Matrix: Solid

Date Received: 04/06/23 10:00

Percent Solids: 76.5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.21		0.026	0.0059	mg/Kg	☼	04/13/23 10:54	04/13/23 12:55	1

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Client Sample ID: SB-11-SS

Lab Sample ID: 480-207563-3

Date Collected: 04/05/23 10:29

Matrix: Solid

Date Received: 04/06/23 10:00

Percent Solids: 82.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		200	30	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
bis (2-chloroisopropyl) ether	ND		200	40	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
2,4,5-Trichlorophenol	ND		200	55	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
2,4,6-Trichlorophenol	ND		200	40	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
2,4-Dichlorophenol	ND		200	21	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
2,4-Dimethylphenol	ND		200	49	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
2,4-Dinitrophenol	ND		2000	930	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
2,4-Dinitrotoluene	ND		200	41	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
2,6-Dinitrotoluene	ND		200	24	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
2-Chloronaphthalene	ND		200	33	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
2-Chlorophenol	ND		390	37	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
2-Methylphenol	ND		200	24	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
2-Methylnaphthalene	ND		200	40	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
2-Nitroaniline	ND		390	30	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
2-Nitrophenol	ND		200	57	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
3,3'-Dichlorobenzidine	ND		390	240	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
3-Nitroaniline	ND		390	56	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
4,6-Dinitro-2-methylphenol	ND		390	200	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
4-Bromophenyl phenyl ether	ND		200	28	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
4-Chloro-3-methylphenol	ND		200	50	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
4-Chloroaniline	ND		200	50	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
4-Chlorophenyl phenyl ether	ND		200	25	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
4-Methylphenol	ND		390	24	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
4-Nitroaniline	ND		390	110	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
4-Nitrophenol	ND		390	140	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Acenaphthene	48 J		200	30	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Acenaphthylene	31 J		200	26	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Acetophenone	ND		200	27	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Anthracene	130 J		200	50	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Atrazine	ND		200	70	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Benzaldehyde	ND		200	160	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Benzo[a]anthracene	520		200	20	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Benzo[a]pyrene	610		200	30	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Benzo[b]fluoranthene	670		200	32	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Benzo[g,h,i]perylene	470		200	21	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Benzo[k]fluoranthene	380		200	26	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Bis(2-chloroethoxy)methane	ND		200	43	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Bis(2-chloroethyl)ether	ND		200	26	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Bis(2-ethylhexyl) phthalate	850		200	69	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Butyl benzyl phthalate	ND		200	33	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Caprolactam	ND		200	60	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Carbazole	70 J		200	24	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Chrysene	610		200	45	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Dibenz(a,h)anthracene	120 J		200	36	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Di-n-butyl phthalate	ND		200	34	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Di-n-octyl phthalate	ND		200	24	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Dibenzofuran	27 J		200	24	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Diethyl phthalate	ND		200	26	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Dimethyl phthalate	ND		200	24	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Client Sample ID: SB-11-SS

Lab Sample ID: 480-207563-3

Date Collected: 04/05/23 10:29

Matrix: Solid

Date Received: 04/06/23 10:00

Percent Solids: 82.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	1100		200	21	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Fluorene	42	J	200	24	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Hexachlorobenzene	ND		200	27	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Hexachlorobutadiene	ND		200	30	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Hexachlorocyclopentadiene	ND		200	27	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Hexachloroethane	ND		200	26	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Indeno[1,2,3-cd]pyrene	410		200	25	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Isophorone	ND		200	43	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
N-Nitrosodi-n-propylamine	ND		200	34	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
N-Nitrosodiphenylamine	ND		200	160	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Naphthalene	ND		200	26	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Nitrobenzene	ND		200	23	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Pentachlorophenol	ND		390	200	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Phenanthrene	640		200	30	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Phenol	ND		200	31	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1
Pyrene	1000		200	24	ug/Kg	✱	04/10/23 07:22	04/15/23 03:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	70		53 - 120	04/10/23 07:22	04/15/23 03:04	1
Phenol-d5 (Surr)	64		54 - 120	04/10/23 07:22	04/15/23 03:04	1
p-Terphenyl-d14 (Surr)	81		79 - 130	04/10/23 07:22	04/15/23 03:04	1
2,4,6-Tribromophenol (Surr)	67		54 - 120	04/10/23 07:22	04/15/23 03:04	1
2-Fluorobiphenyl (Surr)	76		60 - 120	04/10/23 07:22	04/15/23 03:04	1
2-Fluorophenol (Surr)	65		52 - 120	04/10/23 07:22	04/15/23 03:04	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11100		11.7	5.2	mg/Kg	✱	04/11/23 14:51	04/13/23 18:35	1
Antimony	ND		17.6	0.47	mg/Kg	✱	04/11/23 14:51	04/12/23 21:31	1
Arsenic	7.6		2.3	0.47	mg/Kg	✱	04/11/23 14:51	04/12/23 21:31	1
Barium	72.2		0.59	0.13	mg/Kg	✱	04/11/23 14:51	04/12/23 21:31	1
Beryllium	0.47		0.23	0.033	mg/Kg	✱	04/11/23 14:51	04/12/23 21:31	1
Cadmium	0.30		0.23	0.035	mg/Kg	✱	04/11/23 14:51	04/12/23 21:31	1
Calcium	26000	B	58.7	3.9	mg/Kg	✱	04/11/23 14:51	04/13/23 18:35	1
Chromium	17.0	B	0.59	0.23	mg/Kg	✱	04/11/23 14:51	04/12/23 21:31	1
Cobalt	7.4		0.59	0.059	mg/Kg	✱	04/11/23 14:51	04/12/23 21:31	1
Copper	28.1		1.2	0.25	mg/Kg	✱	04/11/23 14:51	04/12/23 21:31	1
Iron	19500	B	11.7	4.1	mg/Kg	✱	04/11/23 14:51	04/13/23 18:35	1
Lead	113	B	1.2	0.28	mg/Kg	✱	04/11/23 14:51	04/12/23 21:31	1
Magnesium	4520		23.5	1.1	mg/Kg	✱	04/11/23 14:51	04/12/23 21:31	1
Manganese	713	B	0.23	0.038	mg/Kg	✱	04/11/23 14:51	04/12/23 21:31	1
Nickel	19.9	B	5.9	0.27	mg/Kg	✱	04/11/23 14:51	04/12/23 21:31	1
Potassium	2630		35.2	23.5	mg/Kg	✱	04/11/23 14:51	04/13/23 18:35	1
Selenium	ND		4.7	0.47	mg/Kg	✱	04/11/23 14:51	04/12/23 21:31	1
Silver	ND		0.70	0.23	mg/Kg	✱	04/11/23 14:51	04/12/23 21:31	1
Sodium	214	B	164	15.3	mg/Kg	✱	04/11/23 14:51	04/12/23 21:31	1
Thallium	ND		7.0	0.35	mg/Kg	✱	04/11/23 14:51	04/12/23 21:31	1
Vanadium	24.2		0.59	0.13	mg/Kg	✱	04/11/23 14:51	04/12/23 21:31	1
Zinc	93.9		2.3	0.75	mg/Kg	✱	04/11/23 14:51	04/12/23 21:31	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Client Sample ID: SB-11-SS

Lab Sample ID: 480-207563-3

Date Collected: 04/05/23 10:29

Matrix: Solid

Date Received: 04/06/23 10:00

Percent Solids: 82.9

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.61	F1 F2	0.025	0.0058	mg/Kg	☼	04/13/23 10:54	04/13/23 12:56	1

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Client Sample ID: SB-12-SS

Lab Sample ID: 480-207563-4

Date Collected: 04/05/23 10:37

Matrix: Solid

Date Received: 04/06/23 10:00

Percent Solids: 76.2

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		22000	3300	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
bis (2-chloroisopropyl) ether	ND		22000	4400	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
2,4,5-Trichlorophenol	ND		22000	6000	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
2,4,6-Trichlorophenol	ND		22000	4400	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
2,4-Dichlorophenol	ND		22000	2400	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
2,4-Dimethylphenol	ND		22000	5400	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
2,4-Dinitrophenol	ND		220000	100000	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
2,4-Dinitrotoluene	ND		22000	4600	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
2,6-Dinitrotoluene	ND		22000	2600	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
2-Chloronaphthalene	ND		22000	3700	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
2-Chlorophenol	ND		43000	4100	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
2-Methylphenol	ND		22000	2600	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
2-Methylnaphthalene	ND		22000	4400	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
2-Nitroaniline	ND		43000	3300	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
2-Nitrophenol	ND		22000	6300	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
3,3'-Dichlorobenzidine	ND		43000	26000	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
3-Nitroaniline	ND		43000	6100	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
4,6-Dinitro-2-methylphenol	ND		43000	22000	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
4-Bromophenyl phenyl ether	ND		22000	3100	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
4-Chloro-3-methylphenol	ND		22000	5500	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
4-Chloroaniline	ND		22000	5500	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
4-Chlorophenyl phenyl ether	ND		22000	2700	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
4-Methylphenol	ND		43000	2600	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
4-Nitroaniline	ND		43000	12000	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
4-Nitrophenol	ND		43000	16000	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Acenaphthene	ND		22000	3300	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Acenaphthylene	ND		22000	2900	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Acetophenone	ND		22000	3000	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Anthracene	ND		22000	5500	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Atrazine	ND		22000	7700	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Benzaldehyde	ND		22000	18000	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Benzo[a]anthracene	ND		22000	2200	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Benzo[a]pyrene	ND		22000	3300	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Benzo[b]fluoranthene	ND		22000	3500	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Benzo[g,h,i]perylene	ND		22000	2400	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Benzo[k]fluoranthene	ND		22000	2900	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Bis(2-chloroethoxy)methane	ND		22000	4700	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Bis(2-chloroethyl)ether	ND		22000	2900	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Bis(2-ethylhexyl) phthalate	ND		22000	7600	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Butyl benzyl phthalate	ND		22000	3700	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Caprolactam	ND		22000	6700	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Carbazole	ND		22000	2600	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Chrysene	ND		22000	5000	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Dibenz(a,h)anthracene	ND		22000	3900	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Di-n-butyl phthalate	ND		22000	3800	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Di-n-octyl phthalate	ND		22000	2600	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Dibenzofuran	ND		22000	2600	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Diethyl phthalate	ND		22000	2900	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Dimethyl phthalate	ND		22000	2600	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Client Sample ID: SB-12-SS

Lab Sample ID: 480-207563-4

Date Collected: 04/05/23 10:37

Matrix: Solid

Date Received: 04/06/23 10:00

Percent Solids: 76.2

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		22000	2400	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Fluorene	ND		22000	2600	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Hexachlorobenzene	ND		22000	3000	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Hexachlorobutadiene	ND		22000	3300	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Hexachlorocyclopentadiene	ND		22000	3000	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Hexachloroethane	ND		22000	2900	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Indeno[1,2,3-cd]pyrene	ND		22000	2700	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Isophorone	ND		22000	4700	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
N-Nitrosodi-n-propylamine	ND		22000	3800	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
N-Nitrosodiphenylamine	ND		22000	18000	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Naphthalene	ND		22000	2900	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Nitrobenzene	ND		22000	2500	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Pentachlorophenol	ND		43000	22000	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Phenanthrene	ND		22000	3300	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Phenol	ND		22000	3400	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10
Pyrene	ND		22000	2600	ug/Kg	✱	04/18/23 07:47	04/19/23 12:33	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	0	S1-	53 - 120	04/18/23 07:47	04/19/23 12:33	10
Phenol-d5 (Surr)	0	S1-	54 - 120	04/18/23 07:47	04/19/23 12:33	10
p-Terphenyl-d14 (Surr)	116		79 - 130	04/18/23 07:47	04/19/23 12:33	10
2,4,6-Tribromophenol (Surr)	0	S1-	54 - 120	04/18/23 07:47	04/19/23 12:33	10
2-Fluorobiphenyl (Surr)	25	S1-	60 - 120	04/18/23 07:47	04/19/23 12:33	10
2-Fluorophenol (Surr)	0	S1-	52 - 120	04/18/23 07:47	04/19/23 12:33	10

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7360		13.7	6.0	mg/Kg	✱	04/11/23 14:51	04/13/23 18:39	1
Antimony	ND		20.5	0.55	mg/Kg	✱	04/11/23 14:51	04/12/23 21:35	1
Arsenic	4.4		2.7	0.55	mg/Kg	✱	04/11/23 14:51	04/12/23 21:35	1
Barium	45.3		0.68	0.15	mg/Kg	✱	04/11/23 14:51	04/12/23 21:35	1
Beryllium	0.36		0.27	0.038	mg/Kg	✱	04/11/23 14:51	04/12/23 21:35	1
Cadmium	0.77		0.27	0.041	mg/Kg	✱	04/11/23 14:51	04/12/23 21:35	1
Calcium	97800	B	68.4	4.5	mg/Kg	✱	04/11/23 14:51	04/13/23 18:39	1
Chromium	14.4	B	0.68	0.27	mg/Kg	✱	04/11/23 14:51	04/12/23 21:35	1
Cobalt	5.5		0.68	0.068	mg/Kg	✱	04/11/23 14:51	04/12/23 21:35	1
Copper	20.5		1.4	0.29	mg/Kg	✱	04/11/23 14:51	04/12/23 21:35	1
Iron	13100	B	13.7	4.8	mg/Kg	✱	04/11/23 14:51	04/13/23 18:39	1
Lead	120	B	1.4	0.33	mg/Kg	✱	04/11/23 14:51	04/12/23 21:35	1
Magnesium	5840		27.4	1.3	mg/Kg	✱	04/11/23 14:51	04/12/23 21:35	1
Manganese	354	B	0.27	0.044	mg/Kg	✱	04/11/23 14:51	04/12/23 21:35	1
Nickel	20.6	B	6.8	0.31	mg/Kg	✱	04/11/23 14:51	04/12/23 21:35	1
Potassium	2330		41.0	27.4	mg/Kg	✱	04/11/23 14:51	04/13/23 18:39	1
Selenium	ND		5.5	0.55	mg/Kg	✱	04/11/23 14:51	04/12/23 21:35	1
Silver	ND		0.82	0.27	mg/Kg	✱	04/11/23 14:51	04/12/23 21:35	1
Sodium	285	B	192	17.8	mg/Kg	✱	04/11/23 14:51	04/12/23 21:35	1
Thallium	ND		8.2	0.41	mg/Kg	✱	04/11/23 14:51	04/12/23 21:35	1
Vanadium	23.0		0.68	0.15	mg/Kg	✱	04/11/23 14:51	04/12/23 21:35	1
Zinc	92.1		2.7	0.88	mg/Kg	✱	04/11/23 14:51	04/12/23 21:35	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Client Sample ID: SB-12-SS

Lab Sample ID: 480-207563-4

Date Collected: 04/05/23 10:37

Matrix: Solid

Date Received: 04/06/23 10:00

Percent Solids: 76.2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.052		0.024	0.0055	mg/Kg	☼	04/13/23 10:54	04/13/23 13:01	1

Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Client Sample ID: SB-13-SS

Lab Sample ID: 480-207563-5

Date Collected: 04/05/23 10:45

Matrix: Solid

Date Received: 04/06/23 10:00

Percent Solids: 83.3

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		1000	150	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
bis (2-chloroisopropyl) ether	ND		1000	200	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
2,4,5-Trichlorophenol	ND		1000	270	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
2,4,6-Trichlorophenol	ND		1000	200	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
2,4-Dichlorophenol	ND		1000	110	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
2,4-Dimethylphenol	ND		1000	240	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
2,4-Dinitrophenol	ND		9800	4600	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
2,4-Dinitrotoluene	ND		1000	210	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
2,6-Dinitrotoluene	ND		1000	120	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
2-Chloronaphthalene	ND		1000	170	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
2-Chlorophenol	ND		1900	180	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
2-Methylphenol	ND		1000	120	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
2-Methylnaphthalene	ND		1000	200	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
2-Nitroaniline	ND		1900	150	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
2-Nitrophenol	ND		1000	280	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
3,3'-Dichlorobenzidine	ND		1900	1200	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
3-Nitroaniline	ND		1900	280	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
4,6-Dinitro-2-methylphenol	ND		1900	1000	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
4-Bromophenyl phenyl ether	ND		1000	140	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
4-Chloro-3-methylphenol	ND		1000	250	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
4-Chloroaniline	ND		1000	250	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
4-Chlorophenyl phenyl ether	ND		1000	120	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
4-Methylphenol	ND		1900	120	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
4-Nitroaniline	ND		1900	530	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
4-Nitrophenol	ND		1900	700	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Acenaphthene	ND		1000	150	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Acenaphthylene	140	J	1000	130	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Acetophenone	ND		1000	140	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Anthracene	ND		1000	250	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Atrazine	ND		1000	350	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Benzaldehyde	ND		1000	800	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Benzo[a]anthracene	230	J	1000	100	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Benzo[a]pyrene	420	J	1000	150	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Benzo[b]fluoranthene	450	J	1000	160	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Benzo[g,h,i]perylene	500	J	1000	110	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Benzo[k]fluoranthene	230	J	1000	130	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Bis(2-chloroethoxy)methane	ND		1000	210	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Bis(2-chloroethyl)ether	ND		1000	130	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Bis(2-ethylhexyl) phthalate	ND		1000	340	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Butyl benzyl phthalate	ND		1000	170	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Caprolactam	ND		1000	300	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Carbazole	ND		1000	120	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Chrysene	310	J	1000	220	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Dibenz(a,h)anthracene	ND		1000	180	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Di-n-butyl phthalate	ND		1000	170	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Di-n-octyl phthalate	ND		1000	120	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Dibenzofuran	ND		1000	120	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Diethyl phthalate	ND		1000	130	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Dimethyl phthalate	ND		1000	120	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Client Sample ID: SB-13-SS

Lab Sample ID: 480-207563-5

Date Collected: 04/05/23 10:45

Matrix: Solid

Date Received: 04/06/23 10:00

Percent Solids: 83.3

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	520	J	1000	110	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Fluorene	ND		1000	120	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Hexachlorobenzene	ND		1000	140	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Hexachlorobutadiene	ND		1000	150	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Hexachlorocyclopentadiene	ND		1000	140	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Hexachloroethane	ND		1000	130	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Indeno[1,2,3-cd]pyrene	390	J	1000	120	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Isophorone	ND		1000	210	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
N-Nitrosodi-n-propylamine	ND		1000	170	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
N-Nitrosodiphenylamine	ND		1000	810	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Naphthalene	ND		1000	130	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Nitrobenzene	ND		1000	110	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Pentachlorophenol	ND		1900	1000	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Phenanthrene	190	J	1000	150	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Phenol	ND		1000	150	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Pyrene	360	J	1000	120	ug/Kg	✱	04/10/23 07:22	04/15/23 03:54	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	65		53 - 120				04/10/23 07:22	04/15/23 03:54	5
Phenol-d5 (Surr)	64		54 - 120				04/10/23 07:22	04/15/23 03:54	5
p-Terphenyl-d14 (Surr)	60	S1-	79 - 130				04/10/23 07:22	04/15/23 03:54	5
2,4,6-Tribromophenol (Surr)	72		54 - 120				04/10/23 07:22	04/15/23 03:54	5
2-Fluorobiphenyl (Surr)	69		60 - 120				04/10/23 07:22	04/15/23 03:54	5
2-Fluorophenol (Surr)	66		52 - 120				04/10/23 07:22	04/15/23 03:54	5

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12200		12.3	5.4	mg/Kg	✱	04/11/23 14:51	04/14/23 18:17	1
Antimony	ND		18.5	0.49	mg/Kg	✱	04/11/23 14:51	04/12/23 21:39	1
Arsenic	17.9		2.5	0.49	mg/Kg	✱	04/11/23 14:51	04/12/23 21:39	1
Barium	73.1		0.62	0.14	mg/Kg	✱	04/11/23 14:51	04/12/23 21:39	1
Beryllium	0.41		0.25	0.034	mg/Kg	✱	04/11/23 14:51	04/12/23 21:39	1
Cadmium	0.38		0.25	0.037	mg/Kg	✱	04/11/23 14:51	04/12/23 21:39	1
Calcium	29200	B	61.6	4.1	mg/Kg	✱	04/11/23 14:51	04/14/23 18:17	1
Chromium	15.5	B	0.62	0.25	mg/Kg	✱	04/11/23 14:51	04/12/23 21:39	1
Cobalt	51.8		0.62	0.062	mg/Kg	✱	04/11/23 14:51	04/12/23 21:39	1
Copper	31.0		1.2	0.26	mg/Kg	✱	04/11/23 14:51	04/12/23 21:39	1
Iron	23200	B	12.3	4.3	mg/Kg	✱	04/11/23 14:51	04/14/23 18:17	1
Lead	184	B	1.2	0.30	mg/Kg	✱	04/11/23 14:51	04/12/23 21:39	1
Magnesium	3630		24.6	1.1	mg/Kg	✱	04/11/23 14:51	04/12/23 21:39	1
Manganese	803	B	0.25	0.039	mg/Kg	✱	04/11/23 14:51	04/12/23 21:39	1
Nickel	64.6	B	6.2	0.28	mg/Kg	✱	04/11/23 14:51	04/12/23 21:39	1
Potassium	2840	B	37.0	24.6	mg/Kg	✱	04/11/23 14:51	04/14/23 18:17	1
Selenium	0.62	J	4.9	0.49	mg/Kg	✱	04/11/23 14:51	04/12/23 21:39	1
Silver	ND		0.74	0.25	mg/Kg	✱	04/11/23 14:51	04/12/23 21:39	1
Sodium	141	J B	172	16.0	mg/Kg	✱	04/11/23 14:51	04/12/23 21:39	1
Thallium	ND		7.4	0.37	mg/Kg	✱	04/11/23 14:51	04/12/23 21:39	1
Vanadium	23.4		0.62	0.14	mg/Kg	✱	04/11/23 14:51	04/12/23 21:39	1
Zinc	97.8		2.5	0.79	mg/Kg	✱	04/11/23 14:51	04/12/23 21:39	1

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Client Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Client Sample ID: SB-13-SS

Lab Sample ID: 480-207563-5

Date Collected: 04/05/23 10:45

Matrix: Solid

Date Received: 04/06/23 10:00

Percent Solids: 83.3

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.15		0.025	0.0056	mg/Kg	☼	04/13/23 10:54	04/13/23 13:03	1

Surrogate Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	NBZ (53-120)	PHL (54-120)	TPHd14 (79-130)	TBP (54-120)	FBP (60-120)	2FP (52-120)
480-207563-1	SB-09-SS	67	61	66 S1-	76	69	68
480-207563-2	SB-10-SS	81	76	77 S1-	67	79	69
480-207563-3	SB-11-SS	70	64	81	67	76	65
480-207563-4	SB-12-SS	0 S1-	0 S1-	116	0 S1-	25 S1-	0 S1-
480-207563-5	SB-13-SS	65	64	60 S1-	72	69	66
LCS 480-664445/2-A	Lab Control Sample	81	80	98	94	96	76
LCS 480-665703/2-A	Lab Control Sample	83	84	91	93	90	77
LCSD 480-665703/3-A	Lab Control Sample Dup	71	74	82	83	80	68
MB 480-664445/1-A	Method Blank	70	70	86	56	84	65
MB 480-665703/1-A	Method Blank	70	72	86	58	75	68

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)

QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-664445/1-A

Matrix: Solid

Analysis Batch: 665271

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 664445

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	25	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
bis (2-chloroisopropyl) ether	ND		170	34	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
2,4,5-Trichlorophenol	ND		170	46	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
2,4,6-Trichlorophenol	ND		170	34	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
2,4-Dichlorophenol	ND		170	18	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
2,4-Dimethylphenol	ND		170	41	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
2,4-Dinitrophenol	ND		1600	780	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
2,4-Dinitrotoluene	ND		170	35	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
2-Chloronaphthalene	ND		170	28	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
2-Chlorophenol	ND		330	31	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
2-Methylphenol	ND		170	20	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
2-Methylnaphthalene	ND		170	34	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
2-Nitroaniline	ND		330	25	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
2-Nitrophenol	ND		170	48	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
3,3'-Dichlorobenzidine	ND		330	200	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
3-Nitroaniline	ND		330	47	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
4,6-Dinitro-2-methylphenol	ND		330	170	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
4-Bromophenyl phenyl ether	ND		170	24	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
4-Chloro-3-methylphenol	ND		170	42	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
4-Chloroaniline	ND		170	42	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
4-Chlorophenyl phenyl ether	ND		170	21	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
4-Methylphenol	ND		330	20	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
4-Nitroaniline	ND		330	88	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
4-Nitrophenol	ND		330	120	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Acenaphthene	ND		170	25	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Acenaphthylene	ND		170	22	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Acetophenone	ND		170	23	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Anthracene	ND		170	42	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Atrazine	ND		170	59	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Benzaldehyde	ND		170	130	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Benzo[a]anthracene	ND		170	17	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Benzo[a]pyrene	ND		170	25	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Benzo[b]fluoranthene	ND		170	27	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Bis(2-chloroethoxy)methane	ND		170	36	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Bis(2-chloroethyl)ether	ND		170	22	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Bis(2-ethylhexyl) phthalate	ND		170	58	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Butyl benzyl phthalate	ND		170	28	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Caprolactam	ND		170	51	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Carbazole	ND		170	20	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Chrysene	ND		170	38	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Dibenz(a,h)anthracene	ND		170	30	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Di-n-butyl phthalate	ND		170	29	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Di-n-octyl phthalate	ND		170	20	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Dibenzofuran	ND		170	20	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Diethyl phthalate	ND		170	22	ug/Kg		04/10/23 07:22	04/15/23 00:10	1

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-664445/1-A

Matrix: Solid

Analysis Batch: 665271

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 664445

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	ND		170	20	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Fluoranthene	ND		170	18	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Fluorene	ND		170	20	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Hexachlorobenzene	ND		170	23	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Hexachlorobutadiene	ND		170	25	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Hexachlorocyclopentadiene	ND		170	23	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Hexachloroethane	ND		170	22	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Isophorone	ND		170	36	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
N-Nitrosodi-n-propylamine	ND		170	29	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
N-Nitrosodiphenylamine	ND		170	140	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Naphthalene	ND		170	22	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Nitrobenzene	ND		170	19	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Pentachlorophenol	ND		330	170	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Phenanthrene	ND		170	25	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Phenol	ND		170	26	ug/Kg		04/10/23 07:22	04/15/23 00:10	1
Pyrene	ND		170	20	ug/Kg		04/10/23 07:22	04/15/23 00:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	70		53 - 120	04/10/23 07:22	04/15/23 00:10	1
Phenol-d5 (Surr)	70		54 - 120	04/10/23 07:22	04/15/23 00:10	1
p-Terphenyl-d14 (Surr)	86		79 - 130	04/10/23 07:22	04/15/23 00:10	1
2,4,6-Tribromophenol (Surr)	56		54 - 120	04/10/23 07:22	04/15/23 00:10	1
2-Fluorobiphenyl (Surr)	84		60 - 120	04/10/23 07:22	04/15/23 00:10	1
2-Fluorophenol (Surr)	65		52 - 120	04/10/23 07:22	04/15/23 00:10	1

Lab Sample ID: LCS 480-664445/2-A

Matrix: Solid

Analysis Batch: 665271

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 664445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biphenyl	1630	1710		ug/Kg		105	59 - 120
bis (2-chloroisopropyl) ether	1630	1520		ug/Kg		93	44 - 120
2,4,5-Trichlorophenol	1630	1710		ug/Kg		105	59 - 126
2,4,6-Trichlorophenol	1630	1670		ug/Kg		103	59 - 123
2,4-Dichlorophenol	1630	1500		ug/Kg		92	61 - 120
2,4-Dimethylphenol	1630	1460		ug/Kg		90	59 - 120
2,4-Dinitrophenol	3260	2950		ug/Kg		91	41 - 146
2,4-Dinitrotoluene	1630	1660		ug/Kg		102	63 - 120
2,6-Dinitrotoluene	1630	1690		ug/Kg		104	66 - 120
2-Chloronaphthalene	1630	1640		ug/Kg		101	57 - 120
2-Chlorophenol	1630	1460		ug/Kg		90	53 - 120
2-Methylphenol	1630	1460		ug/Kg		90	54 - 120
2-Methylnaphthalene	1630	1580		ug/Kg		97	59 - 120
2-Nitroaniline	1630	1640		ug/Kg		100	61 - 120
2-Nitrophenol	1630	1500		ug/Kg		92	56 - 120
3,3'-Dichlorobenzidine	3260	2980		ug/Kg		92	54 - 120
3-Nitroaniline	1630	1150		ug/Kg		71	48 - 120

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-664445/2-A

Matrix: Solid

Analysis Batch: 665271

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 664445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-2-methylphenol	3260	3490		ug/Kg		107	49 - 122
4-Bromophenyl phenyl ether	1630	1650		ug/Kg		101	58 - 120
4-Chloro-3-methylphenol	1630	1570		ug/Kg		97	61 - 120
4-Chloroaniline	1630	1220		ug/Kg		75	38 - 120
4-Chlorophenyl phenyl ether	1630	1680		ug/Kg		103	63 - 124
4-Methylphenol	1630	1500		ug/Kg		92	55 - 120
4-Nitroaniline	1630	1460		ug/Kg		90	56 - 120
4-Nitrophenol	3260	3270		ug/Kg		100	43 - 147
Acenaphthene	1630	1660		ug/Kg		102	62 - 120
Acenaphthylene	1630	1710		ug/Kg		105	58 - 121
Acetophenone	1630	1510		ug/Kg		93	54 - 120
Anthracene	1630	1660		ug/Kg		102	62 - 120
Atrazine	3260	3060		ug/Kg		94	60 - 127
Benzaldehyde	3260	2550		ug/Kg		78	10 - 150
Benzo[a]anthracene	1630	1700		ug/Kg		104	65 - 120
Benzo[a]pyrene	1630	1720		ug/Kg		105	64 - 120
Benzo[b]fluoranthene	1630	1640		ug/Kg		101	64 - 120
Benzo[g,h,i]perylene	1630	1630		ug/Kg		100	45 - 145
Benzo[k]fluoranthene	1630	1760		ug/Kg		108	65 - 120
Bis(2-chloroethoxy)methane	1630	1540		ug/Kg		94	55 - 120
Bis(2-chloroethyl)ether	1630	1440		ug/Kg		89	45 - 120
Bis(2-ethylhexyl) phthalate	1630	1700		ug/Kg		104	61 - 133
Butyl benzyl phthalate	1630	1670		ug/Kg		103	61 - 129
Caprolactam	3260	3150		ug/Kg		97	47 - 120
Carbazole	1630	1670		ug/Kg		103	65 - 120
Chrysene	1630	1600		ug/Kg		98	64 - 120
Dibenz(a,h)anthracene	1630	1600		ug/Kg		99	54 - 132
Di-n-butyl phthalate	1630	1740		ug/Kg		107	58 - 130
Di-n-octyl phthalate	1630	1720		ug/Kg		105	57 - 133
Dibenzofuran	1630	1630		ug/Kg		100	63 - 120
Diethyl phthalate	1630	1620		ug/Kg		100	66 - 120
Dimethyl phthalate	1630	1730		ug/Kg		106	65 - 124
Fluoranthene	1630	1600		ug/Kg		98	62 - 120
Fluorene	1630	1650		ug/Kg		101	63 - 120
Hexachlorobenzene	1630	1690		ug/Kg		104	60 - 120
Hexachlorobutadiene	1630	1480		ug/Kg		91	45 - 120
Hexachlorocyclopentadiene	1630	1670		ug/Kg		103	47 - 120
Hexachloroethane	1630	1440		ug/Kg		89	41 - 120
Indeno[1,2,3-cd]pyrene	1630	1690		ug/Kg		104	56 - 134
Isophorone	1630	1510		ug/Kg		93	56 - 120
N-Nitrosodi-n-propylamine	1630	1510		ug/Kg		93	52 - 120
N-Nitrosodiphenylamine	1630	1720		ug/Kg		106	51 - 128
Naphthalene	1630	1500		ug/Kg		92	55 - 120
Nitrobenzene	1630	1480		ug/Kg		91	54 - 120
Pentachlorophenol	3260	3250		ug/Kg		100	51 - 120
Phenanthrene	1630	1680		ug/Kg		103	60 - 120
Phenol	1630	1430		ug/Kg		88	53 - 120
Pyrene	1630	1770		ug/Kg		109	61 - 133

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-664445/2-A

Matrix: Solid

Analysis Batch: 665271

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 664445

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5 (Surr)	81		53 - 120
Phenol-d5 (Surr)	80		54 - 120
p-Terphenyl-d14 (Surr)	98		79 - 130
2,4,6-Tribromophenol (Surr)	94		54 - 120
2-Fluorobiphenyl (Surr)	96		60 - 120
2-Fluorophenol (Surr)	76		52 - 120

Lab Sample ID: MB 480-665703/1-A

Matrix: Solid

Analysis Batch: 665934

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 665703

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	25	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
bis (2-chloroisopropyl) ether	ND		170	34	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
2,4,5-Trichlorophenol	ND		170	45	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
2,4,6-Trichlorophenol	ND		170	34	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
2,4-Dichlorophenol	ND		170	18	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
2,4-Dimethylphenol	ND		170	41	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
2,4-Dinitrophenol	ND		1600	780	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
2,4-Dinitrotoluene	ND		170	35	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
2-Chloronaphthalene	ND		170	28	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
2-Chlorophenol	ND		330	31	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
2-Methylphenol	ND		170	20	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
2-Methylnaphthalene	ND		170	34	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
2-Nitroaniline	ND		330	25	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
2-Nitrophenol	ND		170	47	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
3,3'-Dichlorobenzidine	ND		330	200	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
3-Nitroaniline	ND		330	46	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
4,6-Dinitro-2-methylphenol	ND		330	170	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
4-Bromophenyl phenyl ether	ND		170	24	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
4-Chloro-3-methylphenol	ND		170	42	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
4-Chloroaniline	ND		170	42	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
4-Chlorophenyl phenyl ether	ND		170	21	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
4-Methylphenol	ND		330	20	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
4-Nitroaniline	ND		330	88	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
4-Nitrophenol	ND		330	120	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Acenaphthene	ND		170	25	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Acenaphthylene	ND		170	22	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Acetophenone	ND		170	23	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Anthracene	ND		170	42	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Atrazine	ND		170	58	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Benzaldehyde	ND		170	130	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Benzo[a]anthracene	ND		170	17	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Benzo[a]pyrene	ND		170	25	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Benzo[b]fluoranthene	ND		170	27	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		04/18/23 07:47	04/19/23 11:18	1

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-665703/1-A

Matrix: Solid

Analysis Batch: 665934

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 665703

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		170	36	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Bis(2-chloroethyl)ether	ND		170	22	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Bis(2-ethylhexyl) phthalate	ND		170	57	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Butyl benzyl phthalate	ND		170	28	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Caprolactam	ND		170	50	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Carbazole	ND		170	20	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Chrysene	ND		170	38	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Dibenz(a,h)anthracene	ND		170	30	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Di-n-butyl phthalate	ND		170	29	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Di-n-octyl phthalate	ND		170	20	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Dibenzofuran	ND		170	20	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Diethyl phthalate	ND		170	22	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Dimethyl phthalate	ND		170	20	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Fluoranthene	ND		170	18	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Fluorene	ND		170	20	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Hexachlorobenzene	ND		170	23	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Hexachlorobutadiene	ND		170	25	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Hexachlorocyclopentadiene	ND		170	23	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Hexachloroethane	ND		170	22	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Isophorone	ND		170	36	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
N-Nitrosodi-n-propylamine	ND		170	29	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
N-Nitrosodiphenylamine	ND		170	140	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Naphthalene	ND		170	22	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Nitrobenzene	ND		170	19	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Pentachlorophenol	ND		330	170	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Phenanthrene	ND		170	25	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Phenol	ND		170	26	ug/Kg		04/18/23 07:47	04/19/23 11:18	1
Pyrene	ND		170	20	ug/Kg		04/18/23 07:47	04/19/23 11:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	70		53 - 120	04/18/23 07:47	04/19/23 11:18	1
Phenol-d5 (Surr)	72		54 - 120	04/18/23 07:47	04/19/23 11:18	1
p-Terphenyl-d14 (Surr)	86		79 - 130	04/18/23 07:47	04/19/23 11:18	1
2,4,6-Tribromophenol (Surr)	58		54 - 120	04/18/23 07:47	04/19/23 11:18	1
2-Fluorobiphenyl (Surr)	75		60 - 120	04/18/23 07:47	04/19/23 11:18	1
2-Fluorophenol (Surr)	68		52 - 120	04/18/23 07:47	04/19/23 11:18	1

Lab Sample ID: LCS 480-665703/2-A

Matrix: Solid

Analysis Batch: 665934

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 665703

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biphenyl	1640	1580		ug/Kg		96	59 - 120
bis (2-chloroisopropyl) ether	1640	1420		ug/Kg		86	44 - 120
2,4,5-Trichlorophenol	1640	1740		ug/Kg		106	59 - 126
2,4,6-Trichlorophenol	1640	1690		ug/Kg		103	59 - 123
2,4-Dichlorophenol	1640	1580		ug/Kg		96	61 - 120

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-665703/2-A

Matrix: Solid

Analysis Batch: 665934

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 665703

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	1640	1560		ug/Kg		95	59 - 120
2,4-Dinitrophenol	3280	3610		ug/Kg		110	41 - 146
2,4-Dinitrotoluene	1640	1870		ug/Kg		114	63 - 120
2,6-Dinitrotoluene	1640	1780		ug/Kg		109	66 - 120
2-Chloronaphthalene	1640	1570		ug/Kg		95	57 - 120
2-Chlorophenol	1640	1430		ug/Kg		87	53 - 120
2-Methylphenol	1640	1510		ug/Kg		92	54 - 120
2-Methylnaphthalene	1640	1600		ug/Kg		97	59 - 120
2-Nitroaniline	1640	1740		ug/Kg		106	61 - 120
2-Nitrophenol	1640	1570		ug/Kg		95	56 - 120
3,3'-Dichlorobenzidine	3280	3300		ug/Kg		101	54 - 120
3-Nitroaniline	1640	1550		ug/Kg		95	48 - 120
4,6-Dinitro-2-methylphenol	3280	3650		ug/Kg		111	49 - 122
4-Bromophenyl phenyl ether	1640	1590		ug/Kg		97	58 - 120
4-Chloro-3-methylphenol	1640	1800		ug/Kg		109	61 - 120
4-Chloroaniline	1640	1370		ug/Kg		84	38 - 120
4-Chlorophenyl phenyl ether	1640	1690		ug/Kg		103	63 - 124
4-Methylphenol	1640	1540		ug/Kg		94	55 - 120
4-Nitroaniline	1640	1730		ug/Kg		105	56 - 120
4-Nitrophenol	3280	3860		ug/Kg		118	43 - 147
Acenaphthene	1640	1620		ug/Kg		99	62 - 120
Acenaphthylene	1640	1650		ug/Kg		100	58 - 121
Acetophenone	1640	1510		ug/Kg		92	54 - 120
Anthracene	1640	1690		ug/Kg		103	62 - 120
Atrazine	3280	3540		ug/Kg		108	60 - 127
Benzaldehyde	3280	2300		ug/Kg		70	10 - 150
Benzo[a]anthracene	1640	1730		ug/Kg		105	65 - 120
Benzo[a]pyrene	1640	1800		ug/Kg		110	64 - 120
Benzo[b]fluoranthene	1640	1680		ug/Kg		102	64 - 120
Benzo[g,h,i]perylene	1640	1740		ug/Kg		106	45 - 145
Benzo[k]fluoranthene	1640	1950		ug/Kg		119	65 - 120
Bis(2-chloroethoxy)methane	1640	1510		ug/Kg		92	55 - 120
Bis(2-chloroethyl)ether	1640	1380		ug/Kg		84	45 - 120
Bis(2-ethylhexyl) phthalate	1640	1780		ug/Kg		108	61 - 133
Butyl benzyl phthalate	1640	1730		ug/Kg		105	61 - 129
Caprolactam	3280	3780		ug/Kg		115	47 - 120
Carbazole	1640	1780		ug/Kg		108	65 - 120
Chrysene	1640	1650		ug/Kg		100	64 - 120
Dibenz(a,h)anthracene	1640	1770		ug/Kg		108	54 - 132
Di-n-butyl phthalate	1640	1850		ug/Kg		113	58 - 130
Di-n-octyl phthalate	1640	1900		ug/Kg		116	57 - 133
Dibenzofuran	1640	1610		ug/Kg		98	63 - 120
Diethyl phthalate	1640	1700		ug/Kg		104	66 - 120
Dimethyl phthalate	1640	1780		ug/Kg		109	65 - 124
Fluoranthene	1640	1810		ug/Kg		110	62 - 120
Fluorene	1640	1660		ug/Kg		101	63 - 120
Hexachlorobenzene	1640	1550		ug/Kg		94	60 - 120
Hexachlorobutadiene	1640	1410		ug/Kg		86	45 - 120
Hexachlorocyclopentadiene	1640	1470		ug/Kg		89	47 - 120

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-665703/2-A

Matrix: Solid

Analysis Batch: 665934

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 665703

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachloroethane	1640	1320		ug/Kg		80	41 - 120
Indeno[1,2,3-cd]pyrene	1640	1810		ug/Kg		110	56 - 134
Isophorone	1640	1590		ug/Kg		97	56 - 120
N-Nitrosodi-n-propylamine	1640	1430		ug/Kg		87	52 - 120
N-Nitrosodiphenylamine	1640	1650		ug/Kg		100	51 - 128
Naphthalene	1640	1470		ug/Kg		89	55 - 120
Nitrobenzene	1640	1430		ug/Kg		87	54 - 120
Pentachlorophenol	3280	3830		ug/Kg		117	51 - 120
Phenanthrene	1640	1670		ug/Kg		102	60 - 120
Phenol	1640	1470		ug/Kg		90	53 - 120
Pyrene	1640	1640		ug/Kg		100	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	83		53 - 120
Phenol-d5 (Surr)	84		54 - 120
p-Terphenyl-d14 (Surr)	91		79 - 130
2,4,6-Tribromophenol (Surr)	93		54 - 120
2-Fluorobiphenyl (Surr)	90		60 - 120
2-Fluorophenol (Surr)	77		52 - 120

Lab Sample ID: LCSD 480-665703/3-A

Matrix: Solid

Analysis Batch: 665934

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 665703

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Biphenyl	1630	1440		ug/Kg		88	59 - 120	10	20
bis (2-chloroisopropyl) ether	1630	1240		ug/Kg		76	44 - 120	13	24
2,4,5-Trichlorophenol	1630	1480		ug/Kg		91	59 - 126	16	18
2,4,6-Trichlorophenol	1630	1560		ug/Kg		95	59 - 123	8	19
2,4-Dichlorophenol	1630	1400		ug/Kg		86	61 - 120	12	19
2,4-Dimethylphenol	1630	1390		ug/Kg		85	59 - 120	11	42
2,4-Dinitrophenol	3260	3320		ug/Kg		102	41 - 146	8	22
2,4-Dinitrotoluene	1630	1670		ug/Kg		102	63 - 120	12	20
2,6-Dinitrotoluene	1630	1630		ug/Kg		100	66 - 120	9	15
2-Chloronaphthalene	1630	1380		ug/Kg		85	57 - 120	12	21
2-Chlorophenol	1630	1330		ug/Kg		81	53 - 120	8	25
2-Methylphenol	1630	1340		ug/Kg		82	54 - 120	12	27
2-Methylnaphthalene	1630	1440		ug/Kg		88	59 - 120	10	21
2-Nitroaniline	1630	1550		ug/Kg		95	61 - 120	11	15
2-Nitrophenol	1630	1430		ug/Kg		87	56 - 120	9	18
3,3'-Dichlorobenzidine	3260	2850		ug/Kg		87	54 - 120	15	25
3-Nitroaniline	1630	1410		ug/Kg		86	48 - 120	10	19
4,6-Dinitro-2-methylphenol	3260	3420		ug/Kg		105	49 - 122	6	15
4-Bromophenyl phenyl ether	1630	1390		ug/Kg		85	58 - 120	14	15
4-Chloro-3-methylphenol	1630	1540		ug/Kg		94	61 - 120	15	27
4-Chloroaniline	1630	1180		ug/Kg		72	38 - 120	15	22
4-Chlorophenyl phenyl ether	1630	1540		ug/Kg		94	63 - 124	9	16
4-Methylphenol	1630	1370		ug/Kg		84	55 - 120	12	24

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-665703/3-A

Matrix: Solid

Analysis Batch: 665934

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 665703

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Nitroaniline	1630	1620		ug/Kg		99	56 - 120	7	24
4-Nitrophenol	3260	3560		ug/Kg		109	43 - 147	8	25
Acenaphthene	1630	1440		ug/Kg		88	62 - 120	12	35
Acenaphthylene	1630	1480		ug/Kg		91	58 - 121	11	18
Acetophenone	1630	1350		ug/Kg		83	54 - 120	11	20
Anthracene	1630	1520		ug/Kg		93	62 - 120	10	15
Atrazine	3260	3290		ug/Kg		101	60 - 127	7	20
Benzaldehyde	3260	2250		ug/Kg		69	10 - 150	2	20
Benzo[a]anthracene	1630	1500		ug/Kg		92	65 - 120	14	15
Benzo[a]pyrene	1630	1540		ug/Kg		94	64 - 120	15	15
Benzo[b]fluoranthene	1630	1460		ug/Kg		90	64 - 120	14	15
Benzo[g,h,i]perylene	1630	1520		ug/Kg		93	45 - 145	14	15
Benzo[k]fluoranthene	1630	1640		ug/Kg		100	65 - 120	18	22
Bis(2-chloroethoxy)methane	1630	1350		ug/Kg		83	55 - 120	11	17
Bis(2-chloroethyl)ether	1630	1230		ug/Kg		75	45 - 120	12	21
Bis(2-ethylhexyl) phthalate	1630	1560		ug/Kg		95	61 - 133	13	15
Butyl benzyl phthalate	1630	1510		ug/Kg		92	61 - 129	14	16
Caprolactam	3260	3380		ug/Kg		104	47 - 120	11	20
Carbazole	1630	1600		ug/Kg		98	65 - 120	10	20
Chrysene	1630	1460		ug/Kg		89	64 - 120	12	15
Dibenz(a,h)anthracene	1630	1530		ug/Kg		94	54 - 132	15	15
Di-n-butyl phthalate	1630	1640		ug/Kg		100	58 - 130	12	15
Di-n-octyl phthalate	1630	1670		ug/Kg		102	57 - 133	13	16
Dibenzofuran	1630	1450		ug/Kg		89	63 - 120	11	15
Diethyl phthalate	1630	1620		ug/Kg		99	66 - 120	5	15
Dimethyl phthalate	1630	1620		ug/Kg		99	65 - 124	10	15
Fluoranthene	1630	1640		ug/Kg		100	62 - 120	10	15
Fluorene	1630	1490		ug/Kg		91	63 - 120	11	15
Hexachlorobenzene	1630	1400		ug/Kg		86	60 - 120	10	15
Hexachlorobutadiene	1630	1190		ug/Kg		73	45 - 120	17	44
Hexachlorocyclopentadiene	1630	1320		ug/Kg		81	47 - 120	10	49
Hexachloroethane	1630	1150		ug/Kg		70	41 - 120	14	46
Indeno[1,2,3-cd]pyrene	1630	1580		ug/Kg		97	56 - 134	14	15
Isophorone	1630	1360		ug/Kg		83	56 - 120	15	17
N-Nitrosodi-n-propylamine	1630	1350		ug/Kg		82	52 - 120	6	31
N-Nitrosodiphenylamine	1630	1480		ug/Kg		91	51 - 128	11	15
Naphthalene	1630	1300		ug/Kg		80	55 - 120	12	29
Nitrobenzene	1630	1290		ug/Kg		79	54 - 120	10	24
Pentachlorophenol	3260	3390		ug/Kg		104	51 - 120	12	35
Phenanthrene	1630	1480		ug/Kg		91	60 - 120	12	15
Phenol	1630	1310		ug/Kg		80	53 - 120	12	35
Pyrene	1630	1410		ug/Kg		86	61 - 133	15	35

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
Nitrobenzene-d5 (Surr)	71		53 - 120
Phenol-d5 (Surr)	74		54 - 120
p-Terphenyl-d14 (Surr)	82		79 - 130
2,4,6-Tribromophenol (Surr)	83		54 - 120

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-665703/3-A

Matrix: Solid

Analysis Batch: 665934

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 665703

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl (Surr)	80		60 - 120
2-Fluorophenol (Surr)	68		52 - 120

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-664769/1-A

Matrix: Solid

Analysis Batch: 665085

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 664769

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15.1	0.40	mg/Kg		04/11/23 14:51	04/12/23 20:02	1
Arsenic	ND		2.0	0.40	mg/Kg		04/11/23 14:51	04/12/23 20:02	1
Barium	ND		0.50	0.11	mg/Kg		04/11/23 14:51	04/12/23 20:02	1
Beryllium	ND		0.20	0.028	mg/Kg		04/11/23 14:51	04/12/23 20:02	1
Cadmium	ND		0.20	0.030	mg/Kg		04/11/23 14:51	04/12/23 20:02	1
Calcium	9.88	J	50.2	3.3	mg/Kg		04/11/23 14:51	04/12/23 20:02	1
Chromium	0.428	J	0.50	0.20	mg/Kg		04/11/23 14:51	04/12/23 20:02	1
Cobalt	ND		0.50	0.050	mg/Kg		04/11/23 14:51	04/12/23 20:02	1
Copper	ND		1.0	0.21	mg/Kg		04/11/23 14:51	04/12/23 20:02	1
Lead	0.264	J	1.0	0.24	mg/Kg		04/11/23 14:51	04/12/23 20:02	1
Magnesium	ND		20.1	0.93	mg/Kg		04/11/23 14:51	04/12/23 20:02	1
Manganese	0.116	J	0.20	0.032	mg/Kg		04/11/23 14:51	04/12/23 20:02	1
Nickel	0.282	J	5.0	0.23	mg/Kg		04/11/23 14:51	04/12/23 20:02	1
Selenium	ND		4.0	0.40	mg/Kg		04/11/23 14:51	04/12/23 20:02	1
Silver	ND		0.60	0.20	mg/Kg		04/11/23 14:51	04/12/23 20:02	1
Sodium	55.60	J	141	13.1	mg/Kg		04/11/23 14:51	04/12/23 20:02	1
Thallium	ND		6.0	0.30	mg/Kg		04/11/23 14:51	04/12/23 20:02	1
Vanadium	ND		0.50	0.11	mg/Kg		04/11/23 14:51	04/12/23 20:02	1
Zinc	ND		2.0	0.64	mg/Kg		04/11/23 14:51	04/12/23 20:02	1

Lab Sample ID: MB 480-664769/1-A

Matrix: Solid

Analysis Batch: 665278

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 664769

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		10.0	4.4	mg/Kg		04/11/23 14:51	04/13/23 17:48	1
Iron	5.74	J	10.0	3.5	mg/Kg		04/11/23 14:51	04/13/23 17:48	1
Potassium	ND		30.1	20.1	mg/Kg		04/11/23 14:51	04/13/23 17:48	1

Lab Sample ID: LCSSRM 480-664769/2-A

Matrix: Solid

Analysis Batch: 665085

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 664769

Analyte	Spike	LCSSRM	LCSSRM						
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	
Antimony	234	77.01		mg/Kg		32.9	10.0 - 120.	1	
Arsenic	129	107.0		mg/Kg		83.0	60.9 - 113.	2	
Barium	169	136.9		mg/Kg		81.0	68.6 - 114.	2	

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-664769/2-A

Matrix: Solid

Analysis Batch: 665085

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 664769

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	137	100.7		mg/Kg		73.5	66.3 - 110.2
Cadmium	227	172.8		mg/Kg		76.1	64.8 - 110.1
Calcium	5190	3814		mg/Kg		73.5	64.0 - 112.9
Chromium	115	106.2		mg/Kg		92.4	62.4 - 115.7
Cobalt	50.0	48.61		mg/Kg		97.2	69.6 - 115.8
Copper	76.0	58.04		mg/Kg		76.4	69.5 - 115.8
Lead	74.8	84.68		mg/Kg		113.2	67.0 - 128.9
Magnesium	2570	2244		mg/Kg		87.3	53.7 - 121.0
Manganese	400	373.4		mg/Kg		93.4	70.5 - 115.8
Nickel	282	276.9		mg/Kg		98.2	62.1 - 114.9
Selenium	246	201.8		mg/Kg		82.0	60.2 - 114.6
Silver	87.5	68.40		mg/Kg		78.2	63.7 - 115.4
Sodium	161	181.6		mg/Kg		112.8	28.6 - 136.0
Thallium	77.4	78.55		mg/Kg		101.5	55.0 - 120.0
Vanadium	201	185.0		mg/Kg		92.0	64.7 - 111.4
Zinc	401	324.9		mg/Kg		81.0	62.8 - 116.7

Lab Sample ID: LCSSRM 480-664769/2-A

Matrix: Solid

Analysis Batch: 665278

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 664769

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	10100	9804		mg/Kg		97.1	37.5 - 114.9
Iron	15000	15480		mg/Kg		103.2	29.9 - 149.3
Potassium	2420	2294		mg/Kg		94.8	46.7 - 113.2

Lab Sample ID: 480-207563-2 MS

Matrix: Solid

Analysis Batch: 665085

Client Sample ID: SB-10-SS

Prep Type: Total/NA

Prep Batch: 664769

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND	F1	52.3	25.49	F1	mg/Kg	✖	49	75 - 125
Arsenic	6.5		52.3	52.44		mg/Kg	✖	88	75 - 125
Barium	97.9	F1	52.3	186.1	F1	mg/Kg	✖	169	75 - 125
Beryllium	0.77		52.3	42.45		mg/Kg	✖	80	75 - 125

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-207563-2 MS

Matrix: Solid

Analysis Batch: 665085

Client Sample ID: SB-10-SS

Prep Type: Total/NA

Prep Batch: 664769

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	0.36		52.3	44.21		mg/Kg	✱	84	75 - 125
Chromium	26.5	B	52.3	85.96		mg/Kg	✱	114	75 - 125
Cobalt	11.7		52.3	65.02		mg/Kg	✱	102	75 - 125
Copper	31.2		52.3	75.70		mg/Kg	✱	85	75 - 125
Lead	91.7	B	52.3	141.7		mg/Kg	✱	96	75 - 125
Magnesium	4380	F1	2620	7693	F1	mg/Kg	✱	126	75 - 125
Manganese	738	B	52.3	738.6	4	mg/Kg	✱	0.3	75 - 125
Nickel	32.5	B	52.3	89.83		mg/Kg	✱	110	75 - 125
Selenium	ND		52.3	44.91		mg/Kg	✱	86	75 - 125
Silver	ND		13.1	10.44		mg/Kg	✱	80	75 - 125
Sodium	181	J B	2620	2609		mg/Kg	✱	93	75 - 125
Thallium	ND		52.3	54.66		mg/Kg	✱	105	75 - 125
Vanadium	37.3	F1	52.3	112.0	F1	mg/Kg	✱	143	75 - 125
Zinc	97.1		52.3	140.6		mg/Kg	✱	83	75 - 125

Lab Sample ID: 480-207563-2 MS

Matrix: Solid

Analysis Batch: 665278

Client Sample ID: SB-10-SS

Prep Type: Total/NA

Prep Batch: 664769

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	16000		2610	30910	4	mg/Kg	✱	569	75 - 125
Calcium	3390	B F1	2620	5187	F1	mg/Kg	✱	69	75 - 125
Iron	23700	B	2620	26470	4	mg/Kg	✱	105	75 - 125
Potassium	3540	F1	2610	11730	F1	mg/Kg	✱	314	75 - 125

Lab Sample ID: 480-207563-2 MSD

Matrix: Solid

Analysis Batch: 665085

Client Sample ID: SB-10-SS

Prep Type: Total/NA

Prep Batch: 664769

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND	F1	49.4	23.05	F1	mg/Kg	✱	47	75 - 125	10	20
Arsenic	6.5		49.4	49.86		mg/Kg	✱	88	75 - 125	5	20
Barium	97.9	F1	49.4	190.5	F1	mg/Kg	✱	188	75 - 125	2	20
Beryllium	0.77		49.4	40.59		mg/Kg	✱	81	75 - 125	4	20
Cadmium	0.36		49.4	42.01		mg/Kg	✱	84	75 - 125	5	20
Chromium	26.5	B	49.4	83.28		mg/Kg	✱	115	75 - 125	3	20
Cobalt	11.7		49.4	63.36		mg/Kg	✱	105	75 - 125	3	20
Copper	31.2		49.4	69.46		mg/Kg	✱	78	75 - 125	9	20
Lead	91.7	B	49.4	139.5		mg/Kg	✱	97	75 - 125	2	20
Magnesium	4380	F1	2480	7643	F1	mg/Kg	✱	132	75 - 125	1	20
Manganese	738	B	49.4	888.4	4	mg/Kg	✱	303	75 - 125	18	20
Nickel	32.5	B	49.4	87.58		mg/Kg	✱	111	75 - 125	3	20
Selenium	ND		49.4	43.34		mg/Kg	✱	88	75 - 125	4	20
Silver	ND		12.4	9.89		mg/Kg	✱	80	75 - 125	5	20
Sodium	181	J B	2470	2506		mg/Kg	✱	94	75 - 125	4	20
Thallium	ND		49.4	52.04		mg/Kg	✱	105	75 - 125	5	20
Vanadium	37.3	F1	49.4	108.4	F1	mg/Kg	✱	144	75 - 125	3	20
Zinc	97.1		49.4	140.7		mg/Kg	✱	88	75 - 125	0	20

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QC Sample Results

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-207563-2 MSD

Matrix: Solid

Analysis Batch: 665278

Client Sample ID: SB-10-SS

Prep Type: Total/NA

Prep Batch: 664769

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	16000		2470	30760	4	mg/Kg	⚡	595	75 - 125	1	20
Calcium	3390	B F1	2470	5140	F1	mg/Kg	⚡	71	75 - 125	1	20
Iron	23700	B	2470	25990	4	mg/Kg	⚡	91	75 - 125	2	20
Potassium	3540	F1	2470	11660	F1	mg/Kg	⚡	329	75 - 125	1	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-665001/1-A

Matrix: Solid

Analysis Batch: 665164

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 665001

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0045	mg/Kg		04/13/23 10:54	04/13/23 12:51	1

Lab Sample ID: LCSSRM 480-665001/2-A ^10

Matrix: Solid

Analysis Batch: 665164

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 665001

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	20.7	11.93		mg/Kg		57.6	38.3 - 110.1

Lab Sample ID: 480-207563-3 MS

Matrix: Solid

Analysis Batch: 665164

Client Sample ID: SB-11-SS

Prep Type: Total/NA

Prep Batch: 665001

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.61	F1 F2	0.409	0.681	F1	mg/Kg	⚡	18	80 - 120

Lab Sample ID: 480-207563-3 MSD

Matrix: Solid

Analysis Batch: 665164

Client Sample ID: SB-11-SS

Prep Type: Total/NA

Prep Batch: 665001

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.61	F1 F2	0.412	0.905	F1 F2	mg/Kg	⚡	72	80 - 120	28	20

QC Association Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

GC/MS Semi VOA

Prep Batch: 664445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207563-1	SB-09-SS	Total/NA	Solid	3550C	
480-207563-2	SB-10-SS	Total/NA	Solid	3550C	
480-207563-3	SB-11-SS	Total/NA	Solid	3550C	
480-207563-5	SB-13-SS	Total/NA	Solid	3550C	
MB 480-664445/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-664445/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 665271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207563-1	SB-09-SS	Total/NA	Solid	8270D	664445
480-207563-2	SB-10-SS	Total/NA	Solid	8270D	664445
480-207563-3	SB-11-SS	Total/NA	Solid	8270D	664445
480-207563-5	SB-13-SS	Total/NA	Solid	8270D	664445
MB 480-664445/1-A	Method Blank	Total/NA	Solid	8270D	664445
LCS 480-664445/2-A	Lab Control Sample	Total/NA	Solid	8270D	664445

Prep Batch: 665703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207563-4	SB-12-SS	Total/NA	Solid	3550C	
MB 480-665703/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-665703/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 480-665703/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	

Analysis Batch: 665934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207563-4	SB-12-SS	Total/NA	Solid	8270D	665703
MB 480-665703/1-A	Method Blank	Total/NA	Solid	8270D	665703
LCS 480-665703/2-A	Lab Control Sample	Total/NA	Solid	8270D	665703
LCSD 480-665703/3-A	Lab Control Sample Dup	Total/NA	Solid	8270D	665703

Metals

Prep Batch: 664769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207563-1	SB-09-SS	Total/NA	Solid	3050B	
480-207563-2	SB-10-SS	Total/NA	Solid	3050B	
480-207563-3	SB-11-SS	Total/NA	Solid	3050B	
480-207563-4	SB-12-SS	Total/NA	Solid	3050B	
480-207563-5	SB-13-SS	Total/NA	Solid	3050B	
MB 480-664769/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-664769/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-207563-2 MS	SB-10-SS	Total/NA	Solid	3050B	
480-207563-2 MSD	SB-10-SS	Total/NA	Solid	3050B	

Prep Batch: 665001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207563-1	SB-09-SS	Total/NA	Solid	7471B	
480-207563-2	SB-10-SS	Total/NA	Solid	7471B	
480-207563-3	SB-11-SS	Total/NA	Solid	7471B	
480-207563-4	SB-12-SS	Total/NA	Solid	7471B	
480-207563-5	SB-13-SS	Total/NA	Solid	7471B	

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QC Association Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Metals (Continued)

Prep Batch: 665001 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-665001/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-665001/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	
480-207563-3 MS	SB-11-SS	Total/NA	Solid	7471B	
480-207563-3 MSD	SB-11-SS	Total/NA	Solid	7471B	

Analysis Batch: 665085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207563-1	SB-09-SS	Total/NA	Solid	6010C	664769
480-207563-2	SB-10-SS	Total/NA	Solid	6010C	664769
480-207563-3	SB-11-SS	Total/NA	Solid	6010C	664769
480-207563-4	SB-12-SS	Total/NA	Solid	6010C	664769
480-207563-5	SB-13-SS	Total/NA	Solid	6010C	664769
MB 480-664769/1-A	Method Blank	Total/NA	Solid	6010C	664769
LCSSRM 480-664769/2-A	Lab Control Sample	Total/NA	Solid	6010C	664769
480-207563-2 MS	SB-10-SS	Total/NA	Solid	6010C	664769
480-207563-2 MSD	SB-10-SS	Total/NA	Solid	6010C	664769

Analysis Batch: 665164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207563-1	SB-09-SS	Total/NA	Solid	7471B	665001
480-207563-2	SB-10-SS	Total/NA	Solid	7471B	665001
480-207563-3	SB-11-SS	Total/NA	Solid	7471B	665001
480-207563-4	SB-12-SS	Total/NA	Solid	7471B	665001
480-207563-5	SB-13-SS	Total/NA	Solid	7471B	665001
MB 480-665001/1-A	Method Blank	Total/NA	Solid	7471B	665001
LCSSRM 480-665001/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	665001
480-207563-3 MS	SB-11-SS	Total/NA	Solid	7471B	665001
480-207563-3 MSD	SB-11-SS	Total/NA	Solid	7471B	665001

Analysis Batch: 665278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207563-1	SB-09-SS	Total/NA	Solid	6010C	664769
480-207563-2	SB-10-SS	Total/NA	Solid	6010C	664769
480-207563-3	SB-11-SS	Total/NA	Solid	6010C	664769
480-207563-4	SB-12-SS	Total/NA	Solid	6010C	664769
MB 480-664769/1-A	Method Blank	Total/NA	Solid	6010C	664769
LCSSRM 480-664769/2-A	Lab Control Sample	Total/NA	Solid	6010C	664769
480-207563-2 MS	SB-10-SS	Total/NA	Solid	6010C	664769
480-207563-2 MSD	SB-10-SS	Total/NA	Solid	6010C	664769

Analysis Batch: 665451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207563-5	SB-13-SS	Total/NA	Solid	6010C	664769

General Chemistry

Analysis Batch: 664249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207563-1	SB-09-SS	Total/NA	Solid	Moisture	
480-207563-2	SB-10-SS	Total/NA	Solid	Moisture	
480-207563-3	SB-11-SS	Total/NA	Solid	Moisture	

Eurofins Buffalo

QC Association Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

General Chemistry (Continued)

Analysis Batch: 664249 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207563-4	SB-12-SS	Total/NA	Solid	Moisture	
480-207563-5	SB-13-SS	Total/NA	Solid	Moisture	

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Lab Chronicle

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Client Sample ID: SB-09-SS

Lab Sample ID: 480-207563-1

Date Collected: 04/05/23 10:15

Matrix: Solid

Date Received: 04/06/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	664249	KER	EET BUF	04/06/23 16:20

Client Sample ID: SB-09-SS

Lab Sample ID: 480-207563-1

Date Collected: 04/05/23 10:15

Matrix: Solid

Date Received: 04/06/23 10:00

Percent Solids: 74.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			664445	SMP	EET BUF	04/10/23 07:22
Total/NA	Analysis	8270D		10	665271	JMM	EET BUF	04/15/23 02:15
Total/NA	Prep	3050B			664769	NVK	EET BUF	04/11/23 14:51
Total/NA	Analysis	6010C		1	665085	LMH	EET BUF	04/12/23 20:56
Total/NA	Prep	3050B			664769	NVK	EET BUF	04/11/23 14:51
Total/NA	Analysis	6010C		1	665278	LMH	EET BUF	04/13/23 18:00
Total/NA	Prep	7471B			665001	NVK	EET BUF	04/13/23 10:54
Total/NA	Analysis	7471B		1	665164	NVK	EET BUF	04/13/23 12:54

Client Sample ID: SB-10-SS

Lab Sample ID: 480-207563-2

Date Collected: 04/05/23 10:22

Matrix: Solid

Date Received: 04/06/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	664249	KER	EET BUF	04/06/23 16:20

Client Sample ID: SB-10-SS

Lab Sample ID: 480-207563-2

Date Collected: 04/05/23 10:22

Matrix: Solid

Date Received: 04/06/23 10:00

Percent Solids: 76.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			664445	SMP	EET BUF	04/10/23 07:22
Total/NA	Analysis	8270D		10	665271	JMM	EET BUF	04/15/23 02:39
Total/NA	Prep	3050B			664769	NVK	EET BUF	04/11/23 14:51
Total/NA	Analysis	6010C		1	665085	LMH	EET BUF	04/12/23 21:00
Total/NA	Prep	3050B			664769	NVK	EET BUF	04/11/23 14:51
Total/NA	Analysis	6010C		1	665278	LMH	EET BUF	04/13/23 18:15
Total/NA	Prep	7471B			665001	NVK	EET BUF	04/13/23 10:54
Total/NA	Analysis	7471B		1	665164	NVK	EET BUF	04/13/23 12:55

Client Sample ID: SB-11-SS

Lab Sample ID: 480-207563-3

Date Collected: 04/05/23 10:29

Matrix: Solid

Date Received: 04/06/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	664249	KER	EET BUF	04/06/23 16:20

Eurofins Buffalo

Lab Chronicle

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Client Sample ID: SB-11-SS

Lab Sample ID: 480-207563-3

Date Collected: 04/05/23 10:29

Matrix: Solid

Date Received: 04/06/23 10:00

Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			664445	SMP	EET BUF	04/10/23 07:22
Total/NA	Analysis	8270D		1	665271	JMM	EET BUF	04/15/23 03:04
Total/NA	Prep	3050B			664769	NVK	EET BUF	04/11/23 14:51
Total/NA	Analysis	6010C		1	665085	LMH	EET BUF	04/12/23 21:31
Total/NA	Prep	3050B			664769	NVK	EET BUF	04/11/23 14:51
Total/NA	Analysis	6010C		1	665278	LMH	EET BUF	04/13/23 18:35
Total/NA	Prep	7471B			665001	NVK	EET BUF	04/13/23 10:54
Total/NA	Analysis	7471B		1	665164	NVK	EET BUF	04/13/23 12:56

Client Sample ID: SB-12-SS

Lab Sample ID: 480-207563-4

Date Collected: 04/05/23 10:37

Matrix: Solid

Date Received: 04/06/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	664249	KER	EET BUF	04/06/23 16:20

Client Sample ID: SB-12-SS

Lab Sample ID: 480-207563-4

Date Collected: 04/05/23 10:37

Matrix: Solid

Date Received: 04/06/23 10:00

Percent Solids: 76.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			665703	VXF	EET BUF	04/18/23 07:47
Total/NA	Analysis	8270D		10	665934	JMM	EET BUF	04/19/23 12:33
Total/NA	Prep	3050B			664769	NVK	EET BUF	04/11/23 14:51
Total/NA	Analysis	6010C		1	665085	LMH	EET BUF	04/12/23 21:35
Total/NA	Prep	3050B			664769	NVK	EET BUF	04/11/23 14:51
Total/NA	Analysis	6010C		1	665278	LMH	EET BUF	04/13/23 18:39
Total/NA	Prep	7471B			665001	NVK	EET BUF	04/13/23 10:54
Total/NA	Analysis	7471B		1	665164	NVK	EET BUF	04/13/23 13:01

Client Sample ID: SB-13-SS

Lab Sample ID: 480-207563-5

Date Collected: 04/05/23 10:45

Matrix: Solid

Date Received: 04/06/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	664249	KER	EET BUF	04/06/23 16:20

Client Sample ID: SB-13-SS

Lab Sample ID: 480-207563-5

Date Collected: 04/05/23 10:45

Matrix: Solid

Date Received: 04/06/23 10:00

Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			664445	SMP	EET BUF	04/10/23 07:22
Total/NA	Analysis	8270D		5	665271	JMM	EET BUF	04/15/23 03:54
Total/NA	Prep	3050B			664769	NVK	EET BUF	04/11/23 14:51
Total/NA	Analysis	6010C		1	665085	LMH	EET BUF	04/12/23 21:39

Eurofins Buffalo

Lab Chronicle

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Client Sample ID: SB-13-SS

Lab Sample ID: 480-207563-5

Date Collected: 04/05/23 10:45

Matrix: Solid

Date Received: 04/06/23 10:00

Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			664769	NVK	EET BUF	04/11/23 14:51
Total/NA	Analysis	6010C		1	665451	LMH	EET BUF	04/14/23 18:17
Total/NA	Prep	7471B			665001	NVK	EET BUF	04/13/23 10:54
Total/NA	Analysis	7471B		1	665164	NVK	EET BUF	04/13/23 13:03

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: JP O'Brien - Utica, NY - Phase II ESA

Job ID: 480-207563-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-207563-1	SB-09-SS	Solid	04/05/23 10:15	04/06/23 10:00
480-207563-2	SB-10-SS	Solid	04/05/23 10:22	04/06/23 10:00
480-207563-3	SB-11-SS	Solid	04/05/23 10:29	04/06/23 10:00
480-207563-4	SB-12-SS	Solid	04/05/23 10:37	04/06/23 10:00
480-207563-5	SB-13-SS	Solid	04/05/23 10:45	04/06/23 10:00

Syracuse eurofins

Environment Testing

[illegible]

Login Sample Receipt Checklist

Client: Asbestos & Environmental Consulting Corp

Job Number: 480-207563-1

Login Number: 207563

List Source: Eurofins Buffalo

List Number: 1

Creator: Sabuda, Brendan D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.6 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	