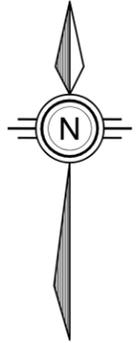


## **PLATES**

<b>PLATE 1.0</b>	<b>SITE LOCATION MAP</b>
<b>PLATE 2.0</b>	<b>TEST BORING LOCAITON PLAN</b>

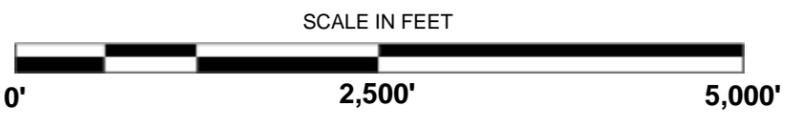


**Approximate Site Location**

**SITE LOCATION MAP**  
CLARK STREET WATER TOWER  
CONNEAUT, OHIO

PREPARED FOR  
**CITY OF CONNEAUT**  
CONNEAUT, OHIO

DRAWN: CRO / 10/17/24  
REVISED: ---  
PROJECT No: 241249



BASE PLAN "SITE AERIAL PLAN" DATED 11/6/2021 OBTAINED FROM GOOGLE EARTH.

**PLATE 1.0**

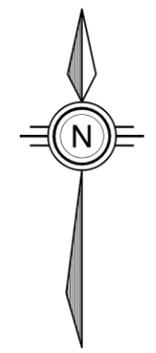


CLARK ST

B-2

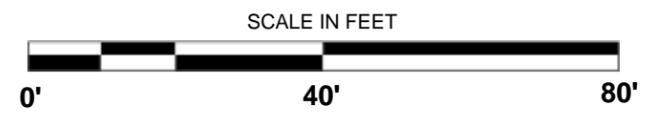
B-1

B-3



**LEGEND:**

- 
**B-1**  
 APPROXIMATE TEST BORING LOCATION
- 
 APPROXIMATE WATER TOWER LOCATION



**TEST BORING LOCATION PLAN**  
 CLARK STREET WATER TOWER  
 CONNEAUT, OHIO

PREPARED FOR  
**CITY OF CONNEAUT**  
 CONNEAUT, OHIO

DRAWN: CRO / 10/17/24  
 REVISED: ---  
 PROJECT No: 241249



**PLATE 2.0**

BASE PLAN "SITE AERIAL PLAN" DATED 11/06/2021 OBTAINED FROM GOOGLE EARTH.

**APPENDIX A**

**LOGS OF TEST BORINGS**



CT Consultants, Inc.  
 1915 N 12th Street  
 Toledo Ohio 43604  
 Telephone: (419)324-2222

# BORING NUMBER B-1

PAGE 1 OF 2

**CLIENT** City of Conneaut **PROJECT NAME** Proposed Clark Street Water Tower

**PROJECT NUMBER** 241249 **PROJECT LOCATION** Conneaut, OH

**DRILLING CONTRACTOR** Ohio TestBor, Inc. Don Jim **RIG NO.** B-57 ATV **GROUND ELEVATION** 646 ft

**DRILLING METHOD** HSA **GROUND WATER LEVELS:**

**DATE STARTED** 7/25/24 **COMPLETED** 7/25/24 **▽ AT TIME OF DRILLING** 22.0 ft / Elev 624.0 ft

**LOGGED BY** KKC **CHECKED BY** MSI **AT END OF DRILLING** None

**NOTES** \_\_\_\_\_ **0hrs AFTER DRILLING** Backfilled w/Cuttings

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	UNCONF. COMP. STR. (tsf)	DRY UNIT WT. (pcf)	SPT N VALUE ▲			
									PL	MC	LL	
645	0		CRUSHED STONE w/Topsoil - 18 Inches						20	40	60	80
	1.5'		Moist Medium Stiff Gray/Brown SILTY CLAY w/Sand (CL-ML)	SS 1	100	2-3-2 (5)	NP		▲	●		
	3.5'		Moist Stiff Brown SILTY CLAY w/Sand (CL-ML)	SS 2	100	2-4-6 (10)	1.59	111	▲	●		
	6.4'		@6': Very Stiff, Gray/Brown, w/Trace Gravel Moist Very Stiff Gray SANDY SILT (ML)	SS 3	100	8-12-11 (23)	3.00		●	▲		
				SS 4	100	9-9-11 (20)	2.00		●			
				SS 5	100	6-10-8 (18)	2.50		▲	●		
	18.5'		Moist Very Stiff Gray SILT w/Trace Sand (ML)	SS 6	100	9-15-14 (29)	3.50		●	▲		
	22.0'		Moist Medium Stiff to Stiff Gray SANDY SILTY CLAY (CL-ML)	SS 7	100	2-3-2 (5)	2.00		▲	●		
	26.0'											

TTL GEOTECH STANDARD 241249.GPJ GINT US LAB.GDT 10/21/24

(Continued Next Page)



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# BORING NUMBER B-1

CLIENT City of Conneaut PROJECT NAME Proposed Clark Street Water Tower  
 PROJECT NUMBER 241249 PROJECT LOCATION Conneaut, OH

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	UNCONF. COMP. STR. (tsf)	DRY UNIT WT. (pcf)	PL MC LL			
									20	40	60	80
620									▲ SPT N VALUE ▲			
	30		Moist Medium Stiff Gray SILTY CLAY w/Trace Sand (CL-ML)	SS 8	100	2-3-5 (8)	1.19	102		23		
615			32.5'									
	35		Moist Hard Gray SANDY SILT w/Trace Gravel (ML)	SS 9	100	17-23-26 (49)	4.50			14		
610			@38.5': w/Gravel									
	40			SS 10	100	11-16-19 (35)	3.02	119		12		
605			@44': w/Trace Gravel									
	45			SS 11	100	12-19-23 (42)	4.50			13		
600			@48.5': w/Shale Fragments									
	50			SS 12	100	8-11-23 (34)	4.00			9		
			50.0'									
			Bottom of hole at 50.0 feet.									

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# BORING NUMBER B-2

CLIENT City of Conneaut PROJECT NAME Proposed Clark Street Water Tower  
 PROJECT NUMBER 241249 PROJECT LOCATION Conneaut, OH

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	UNCONF. COMP. STR. (tsf)	DRY UNIT WT. (pcf)	PL MC LL	
									▲ SPT N VALUE ▲	
620			@26': w/Sand and Trace Gravel						20 40 60 80	
	30		@28.5': w/Trace Sand	SS 8	100	2-2-3 (5)	1.37	99		24
615										
	35		Moist Very Stiff Gray SANDY SILT w/Shale Fragments (ML)	SS 9	100	10-12-15 (27)	NI			12
			Bottom of hole at 35.0 feet.							

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 Toledo Ohio 43604  
 Telephone: (419)324-2222

# BORING NUMBER B-3

PAGE 1 OF 2

**CLIENT** City of Conneaut **PROJECT NAME** Proposed Clark Street Water Tower  
**PROJECT NUMBER** 241249 **PROJECT LOCATION** Conneaut, OH  
**DRILLING CONTRACTOR** Ohio TestBor, Inc. Don Jim **RIG NO.** B-57 ATV **GROUND ELEVATION** 646 ft  
**DRILLING METHOD** HSA **GROUND WATER LEVELS:**  
**DATE STARTED** 7/25/24 **COMPLETED** 7/25/24 **▽ AT TIME OF DRILLING** 13.0 ft / Elev 633.0 ft  
**LOGGED BY** KKC **CHECKED BY** MSI **▼ AT END OF DRILLING** 12.0 ft / Elev 634.0 ft  
**NOTES** \_\_\_\_\_ **0hrs AFTER DRILLING** Backfilled w/Cuttings

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	UNCONF. COMP. STR. (tsf)	DRY UNIT WT. (pcf)	SPT N VALUE ▲			
									PL	MC	LL	
645	0		CRUSHED STONE - 24 Inches									
	2.0'		Moist Medium Stiff to Stiff Brown SANDY SILTY CLAY w/Trace Gravel (CL-ML)	SS 1	100	4-3-4 (7)	NP 4.25		10	21		
	3.5'		Moist Stiff to Very Stiff Brown SANDY SILTY CLAY (CL-ML)	SS 2	100	2-4-5 (9)	3.25		20			
640	5.0'		Moist Very Stiff Brown SANDY SILT (ML)									
	@6.8'		Gray	SS 3	100	5-11-13 (24)	2.50		23	18		
				SS 4	100	7-12-10 (22)	1.50		23			
635												
	13.5'		Moist Hard Gray SANDY SILT (ML)	SS 5	100	9-15-16 (31)	1.75		20			
630	17.0'		Moist Very Stiff Gray SANDY SILT (ML)									
				SS 6	100	6-9-10 (19)	2.50		23			
625	22.0'		Moist Medium Stiff To Stiff Gray SILTY CLAY w/Trace Sand (CL-ML)									
				SS 7	100	3-5-6 (11)	1.75			26		
620												

TTL GEOTECH STANDARD 241249.GPJ GINT US LAB.GDT 10/21/24

(Continued Next Page)



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 Toledo Ohio 43604  
 Telephone: (419)324-2222

# BORING NUMBER B-2

**CLIENT** City of Conneaut **PROJECT NAME** Proposed Clark Street Water Tower  
**PROJECT NUMBER** 241249 **PROJECT LOCATION** Conneaut, OH

ELEVATION (ft)	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	UNCONF. COMP. STR. (tsf)	DRY UNIT WT. (pcf)	PL MC LL	
									▲ SPT N VALUE ▲	
620			@26': w/Sand and Trace Gravel						20	40 60 80
			@28.5': w/Trace Sand	SS 8	100	2-2-3 (5)	1.37	99	▲	24 ●
615	30									
			Moist Very Stiff Gray SANDY SILT w/Shale Fragments (ML)	SS 9	100	10-12-15 (27)	NI		●	▲
35	35		Bottom of hole at 35.0 feet.							

## **APPENDIX B**

## **LEGEND KEY**

# LEGEND KEY

## Unified Soil Classification System Soil Symbols

	<b>GW - WELL GRADED GRAVEL</b> Includes Gravel-Sand mixtures, little or no fines.		<b>GP - POORLY GRADED GRAVEL</b> Includes Gravel-Sand mixtures, little or no fines.		<b>GM - SILTY GRAVEL</b> Includes Gravel-Sand-Silt mixtures.		<b>GC - CLAYEY GRAVEL</b> Includes Gravel-Sand-Clay mixtures.
	<b>SW - WELL GRADED SAND</b> Includes Gravelly Sands, little or no fines.		<b>SP - POORLY GRADED SAND</b> Includes Gravelly Sands, little or no fines.		<b>SM - SILTY SAND</b> Includes Sand-Silt mixtures.		<b>SC - CLAYEY SAND</b> Includes Sand-Clay mixtures.
	<b>ML - SILT</b> Includes Silt with Sand and Sandy Silt.		<b>CL - LEAN CLAY</b> Includes Sandy Lean Clay and Lean Clay with Sand and Gravel.		<b>MH - ELASTIC SILT</b> Includes Sandy Elastic Silt and Elastic Silt with Sand.		<b>CH - FAT CLAY</b> Includes Sandy Fat Clay and Fat Clay with Sand.
	<b>CL-ML - SILTY CLAY</b> Includes Clayey Silt of low plasticity.		<b>OL - ORGANIC SILT and ORGANIC CLAY</b> of low plasticity.		<b>OH - ORGANIC SILT and ORGANIC CLAY</b> of medium to high plasticity.		<b>Pt - PEAT</b> Includes humus, swamp and other soils with high organic content.
	<b>FILL MATERIAL</b> - Includes controlled and non-controlled soil and non-soil materials.		<b>TOPSOIL</b>		<b>ASPHALT</b> - Bituminous Asphalt		<b>CONCRETE</b> - Includes broken concrete rubble.

## Sample Symbols

	<b>SS - Split Spoon</b>		<b>ST - Shelby Tube</b>		<b>RC - Rock Core</b>		<b>GS - Geoprobe Sleeve</b>
			<b>AU - Auger Cuttings</b>		<b>GB - Grab</b>		

### Notes:

1. Exploratory borings were drilled on July 25 and 26, 2024, using hollow stem augers.
2. These logs are subject to the limitations, conclusions, and recommendations in the report and should not be interpreted separately from the report.
3. The ground surface elevations at the boring locations were obtained from Google Earth and are reported to the nearest foot.
4. Borings were drilled in conformity with the specified location plan, with all locations situated within the proposed structure's footprint
5. Unconfined Compressive Strength:  
NP = Non-Plastic  
NI = Not Intact

## **APPENDIX C**

# **TABULATION OF LABORATORY TEST DATA**



CT Consultants, Inc.  
 1915 N 12th Street  
 Toledo Ohio 43604  
 Telephone: (419)324-2222

# SUMMARY OF LABORATORY RESULTS

**CLIENT** City of Conneaut **PROJECT NAME** Proposed Clark Street Water Tower  
**PROJECT NUMBER** 241249 **PROJECT LOCATION** Conneaut, OH

Borehole	Depth	Liquid Limit	Plastic Limit	Plasticity Index	Maximum Size (mm)	%<#200 Sieve	Classification	Water Content (%)	Dry Density (pcf)	Saturation (%)	Void Ratio
B-1	1.3							20.1			
B-1	2.0							21.0			
B-1	3.5	26	19	7	4.75	76	CL-ML	20.0	111.1		
B-1	6.2							18.9			
B-1	6.9							18.2			
B-1	8.5							22.4			
B-1	13.5							26.0			
B-1	18.5							19.7			
B-1	23.5							24.8			
B-1	28.5							22.8	101.6		
B-1	33.5							13.8			
B-1	38.5							12.0	118.7		
B-1	43.8							13.2			
B-1	44.5							13.6			
B-1	48.5							9.3			
B-2	1.0							16.7			
B-2	3.5							18.9	105.8		
B-2	6.0							18.9			
B-2	8.5							21.6			
B-2	13.5							22.8			
B-2	18.5							20.0			
B-2	23.5							21.3			
B-2	28.5	32	21	11	9.5	88	CL	23.9	98.7		
B-2	33.5							12.0			
B-3	1.8	NP	NP	NP	19	28	SM	9.9			
B-3	2.5							20.5			
B-3	3.5							19.8			
B-3	6.4							22.6			
B-3	7.2							18.3			
B-3	8.5							22.6			
B-3	13.5							20.5			
B-3	18.5							23.5			
B-3	23.5							25.8			
B-3	28.5							26.8	98.9		
B-3	33.5							12.4			

LAB SUMMARY 241249.GPJ GINT US LAB.GDT 10/18/24

**APPENDIX D**

**LABORATORY TEST RESULTS**



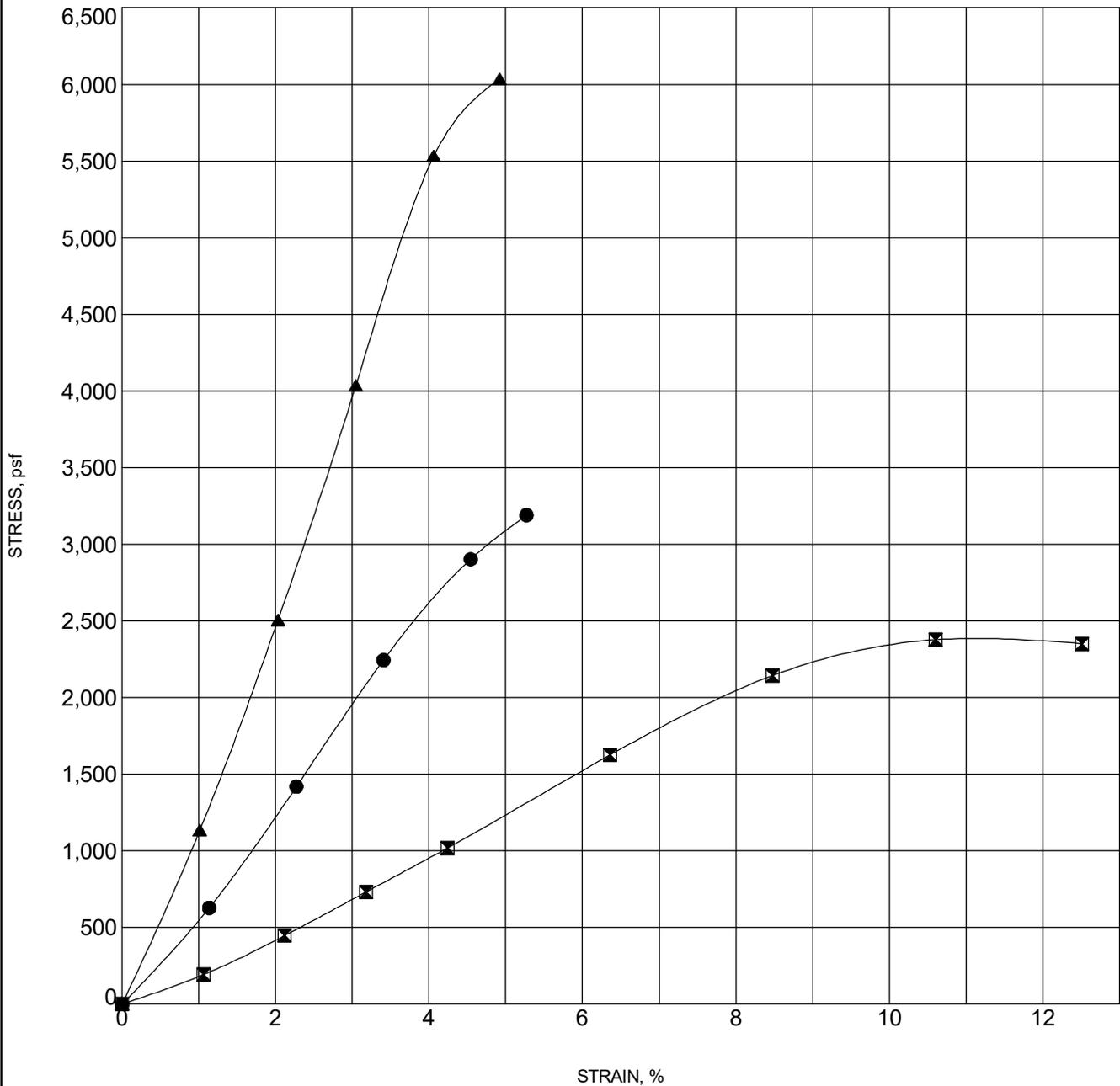




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 1915 N 12th Street  
 Toledo Ohio 43604  
 Telephone: (419)324-2222

# UNCONFINED COMPRESSION TEST

CLIENT City of Conneaut PROJECT NAME Proposed Clark Street Water Tower  
 PROJECT NUMBER 241249 PROJECT LOCATION Conneaut, OH



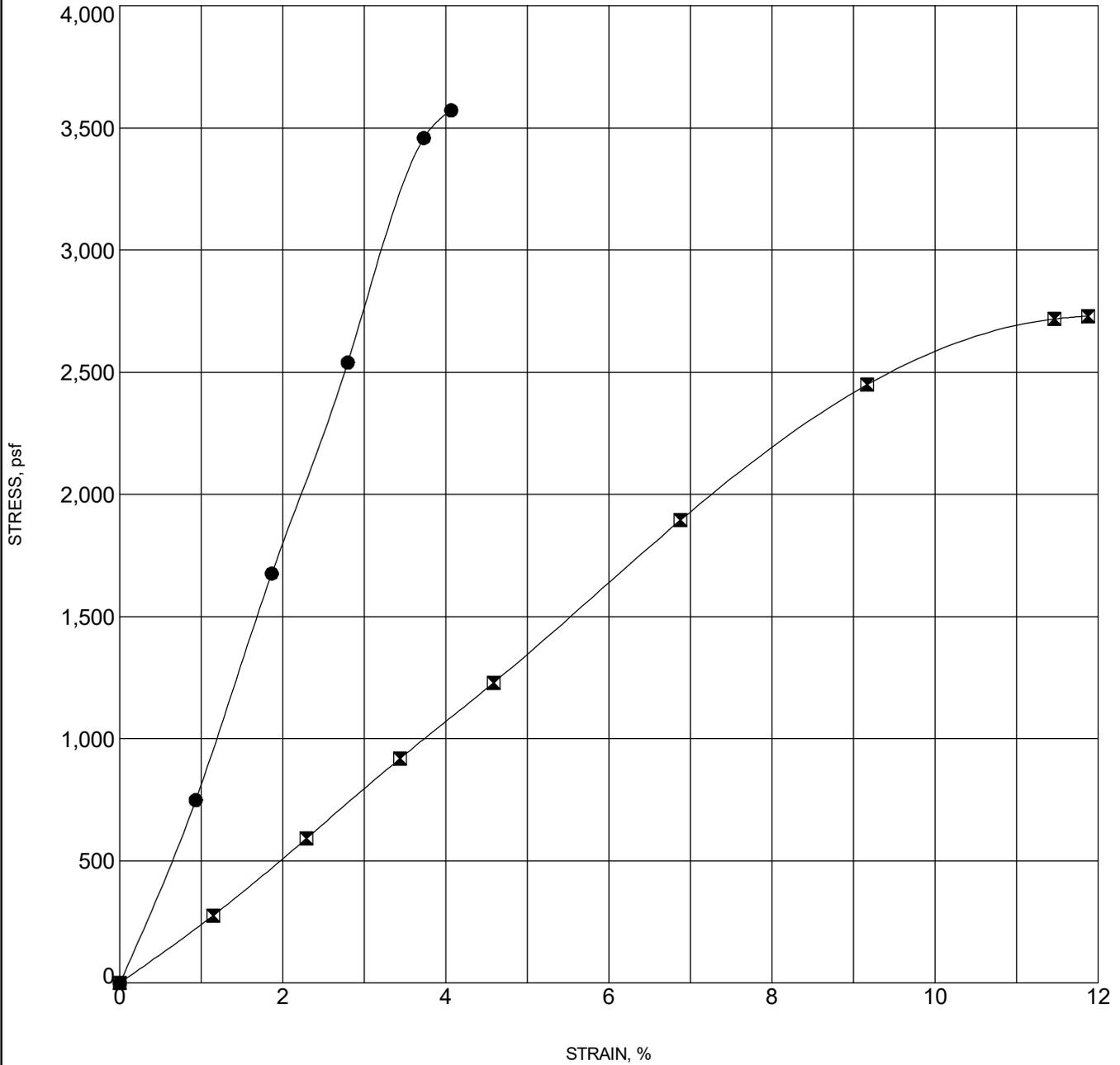
Specimen Identification	Classification	$\gamma_d$	MC%
● B-1 3.5	SILTY CLAY with SAND (CL-ML)	111	20
☒ B-1 28.5		102	23
▲ B-1 38.5		119	12



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 1915 N 12th Street  
 Toledo Ohio 43604  
 Telephone: (419)324-2222

# UNCONFINED COMPRESSION TEST

CLIENT City of Conneaut PROJECT NAME Proposed Clark Street Water Tower  
 PROJECT NUMBER 241249 PROJECT LOCATION Conneaut, OH



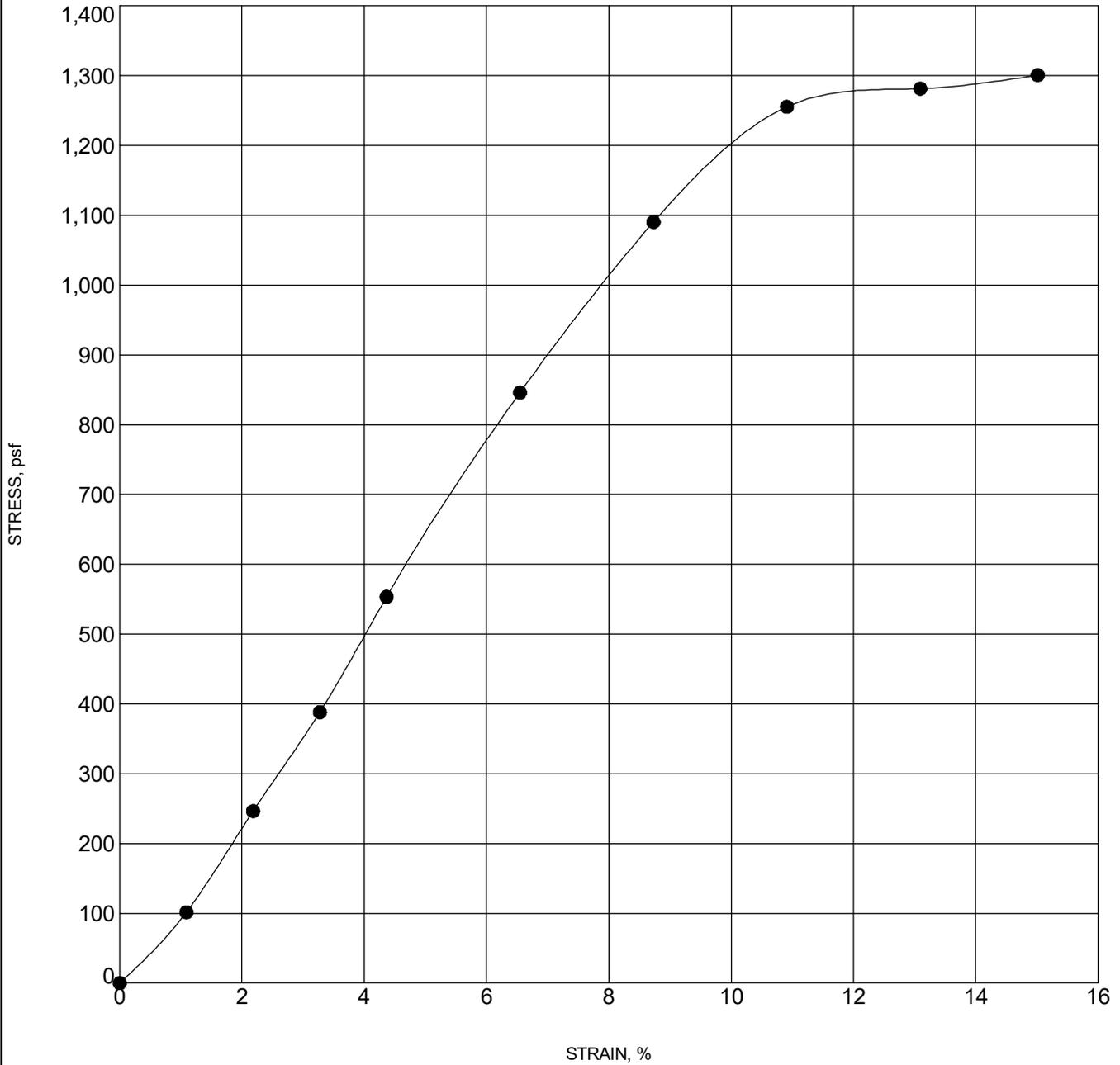
Specimen Identification	Classification	$\gamma_d$	MC%
● B-2 3.5		106	19
☒ B-2 28.5	LEAN CLAY (CL)	99	24



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 1915 N 12th Street  
 Toledo Ohio 43604  
 Telephone: (419)324-2222

# UNCONFINED COMPRESSION TEST

CLIENT City of Conneaut PROJECT NAME Proposed Clark Street Water Tower  
 PROJECT NUMBER 241249 PROJECT LOCATION Conneaut, OH



Specimen Identification		Classification	$\gamma_d$	MC%
●	<b>B-3</b>	<b>28.5</b>	<b>99</b>	<b>27</b>

**APPENDIX E**

**ENVIRONMENTAL REPORT**

# Phase II Soil Investigation

**9 Clark Street  
Conneaut, Ohio**



**PREPARED FOR  
City of Conneaut**

**294 Main Street  
Conneaut, Ohio 44030**

**CT Project Number: 241249  
ISSUED: 10/25/2024**

October 25, 2024

Mr. Nick Sanford  
City of Conneaut  
294 Main Street  
Conneaut, Ohio 44030

**Re: Phase II Soil Investigation  
9 Clark Street, Conneaut, Ohio**

Dear Mr. Sanford:

The final report for the Phase II Soil Investigation conducted for the City of Conneaut by CT Consultants, Inc. (CT) for the above referenced site is enclosed. This assessment was authorized by acceptance of CT Work Authorization dated November 15, 2023.

CT appreciates the opportunity to provide you with our environmental services. Should you have any questions or require additional information, please contact Mr. John Zampino at (440) 530-2353 or by email at [john.zampino@ctconsultants.com](mailto:john.zampino@ctconsultants.com).

Respectfully,

**CT CONSULTANTS, INC.**



---

Jonathan M. Adams  
Environmental Scientist  
Manager



---

John A. Zampino  
Senior Environmental Program

**PHASE II SOIL INVESTIGATION  
9 CLARK STREET  
CONNEAUT, OHIO**

**FOR**

**CITY OF CONNEAUT  
294 MAIN STREET  
CONNEAUT, OHIO 44030**

**OCTOBER 24, 2024  
CT PROJECT NO. 241249**

**8150 STERLING COURT  
MENTOR, OHIO 44060  
(440) 951-9000**

## Table of Contents

<b>1.0 INTRODUCTION .....</b>	<b>Error! Bookmark not defined.</b>
<b>2.0 FIELD ACTIVITIES.....</b>	<b>2</b>
2.1 Drilling and Associated Soil Sampling .....	2
<b>3.0 ANALYTICAL RESULTS .....</b>	<b>4</b>
3.1 Soil Analytical Data.....	4
<b>4.0 SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS.....</b>	<b>5</b>
4.1 Summary.....	5
4.2 Conclusions and Recommendations .....	5

### Tables

**Table 1.0** Summary of Soil Analytical Data

### Figures

**FIGURE 1.0:** Site Location Map

**FIGURE 2.0:** Soil Boring Location Map

### Appendices

**APPENDIX A:** Laboratory Analytical Results

## **1.0 INTRODUCTION**

This report presents the methodologies and findings of an environmental subsurface soil investigation conducted for the City of Conneaut in May 2024 for the property located at 9 Clark Street in Conneaut, Ashtabula County, Ohio (property). The City of Conneaut retained CT to perform this investigation to evaluate if metal-impacted soil will be encountered during the demolition of the water tower. This investigation was conducted to evaluate potential impacts from the use of lead containing paint. The water tower was installed prior to the regulation of lead in paint products. The Property is located at 9 Clark Street in Conneaut, Ashtabula County, Ohio. Refer to Figure 1.0 for a map showing the approximate location of the site. Based on the information provided, there is one (1) water tower that is to be demolished. Due to the unknown construction date of the water tower, it is possible that it was painted with lead-based paint. This paint may have chipped off over time into the soil below it and led to possible heavy metal contamination in the first two (2) feet of soil.

## **2.0 FIELD ACTIVITIES**

Field activities performed at the Property included advancing twenty (20) Geoprobe<sup>®</sup> soil borings, field screening of soil samples and the collection of soil samples for laboratory analysis. Standard Occupational Safety and Health Administration health and safety procedures were followed during field activities to ensure the safety of field personnel. The field activities are described in this section.

### **2.1 Drilling and Associated Soil Sampling**

SB-01 through SB-20 were advanced in a grid underneath the water tower to assess potential impacts from the use of paint containing metals. The approximate soil boring locations are depicted on Figure 2.0.

The soil borings were completed to a depth of two (2) feet in depth. The ground surface beneath the water tower is generally covered with grass and topsoil. The stratigraphy encountered generally consisted of six inches of topsoil comprised of topsoil overlying brown clayey sand or sandy clay to the termination depth of each boring. Groundwater was not encountered during this investigation. Soil samples were collected utilizing a steel shovel. Sampling equipment was decontaminated prior to the start of each boring to minimize the potential for sample cross contamination.

Based on field observations and professional judgment, one (1) soil sample from each boring was submitted for laboratory analysis. The samples were collected from the intervals that appeared most likely to be impacted based on field screening results, site stratigraphy, and the potential source of impact. Samples were labeled, immediately placed in a cooler containing ice, and transported to Summit Environmental Technologies, Inc. (Summit) in Cuyahoga Falls, Ohio for analysis of Resource Conservation and Recovery Act (RCRA) Metals by EPA Analytical Methods: 6010D for arsenic, barium, cadmium, chromium, lead, selenium, and silver and 7471 for mercury.

### **3.0 ANALYTICAL RESULTS**

This section presents a summary of the soil sample analytical data. A copy of the laboratory report is included in Appendix B.

#### **3.1 Soil Analytical Data**

The reported soil concentrations were compared to the Ohio EPA's Voluntary Action Program (VAP) Generic Direct Contact Standards (GDCS) for Commercial/Industrial Use and Construction/Excavation Worker activities. The soil analytical data, which are summarized in Table 1.0, indicate the following:

Arsenic, barium, cadmium, chromium, lead, and mercury were all detected above laboratory detection limits. Arsenic, barium, cadmium, chromium, and mercury were all well below the VAP GDCS for Commercial/Industrial Use and VAP GDCS Construction/Excavation Worker activities. Lead was detected in levels above the VAP GDCS for Commercial/Industrial Use in SB-02, SB-08, SB-10, SB-11, SB-12, SB-17, SB-18, SB-19, and SB-20. Lead was also detected in levels above the VAP GDCS for Construction/Excavation Worker activities in SB-02, SB-03, SB-07, SB-08, SB-10, SB-11, SB-12, SB-17, SB-18, SB-19, and SB-20.

## **4.0 SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS**

This section provides a summary of the findings and conclusions of the Phase II Soil Investigation and associated recommendations.

### **4.1 Summary**

The findings of this subsurface investigation are summarized as follows:

The soil borings were completed to two (2) feet in depth. The ground surface under the water tower is generally covered with grass and topsoil. The stratigraphy encountered generally consisted of six (6) inches of topsoil overlying brown clayey sand or sandy clay to the termination depth of each boring. Groundwater was not encountered during soil sampling activities. Arsenic, barium, cadmium, chromium, lead, and mercury were all detected above laboratory detection limits. Arsenic, barium, cadmium, chromium, and mercury were all well below the VAP GDCS for Commercial/Industrial Use and VAP GDCS Construction/Excavation Worker activities. Lead was detected in levels above the VAP GDCS for Commercial/Industrial Use in SB-02, SB-08, SB-10, SB-11, SB-12, SB-17, SB-18, SB-19, and SB-20. Lead was also detected in levels above the VAP GDCS for Construction/Excavation Worker activities in SB-02, SB-03, SB-07, SB-08, SB-10, SB-11, SB-12, SB-17, SB-18, SB-19, and SB-20.

### **4.2 Conclusions and Recommendations**

Based on the concentrations of lead detected in soil on the Property CT recommends the following:

1. A Health and Safety Plan should be prepared for workers that will be exposed to soil on the Property during demolition of the water tower.
2. Should soil be removed from the Property it should be characterized for proper management and/or disposal.

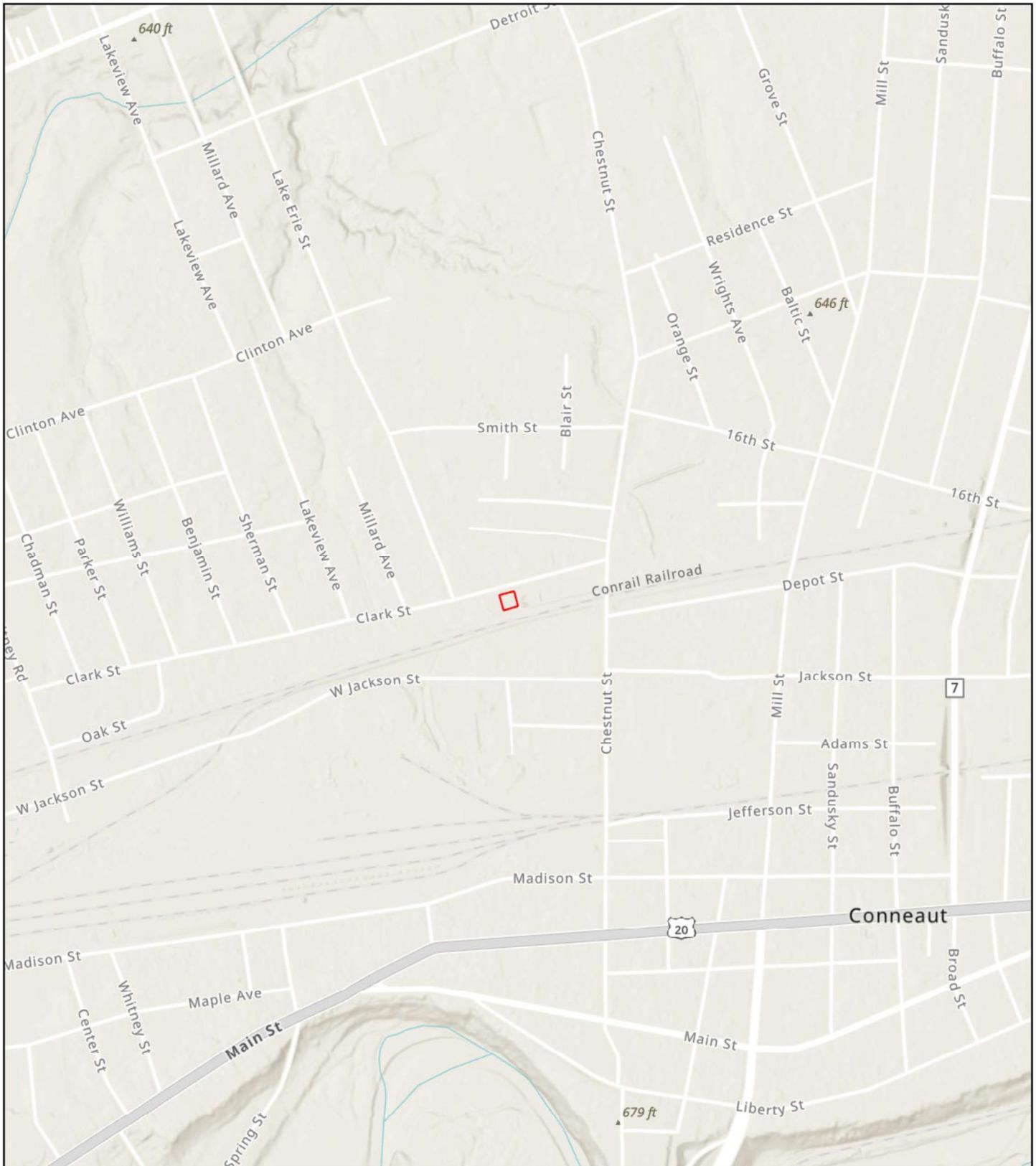
# **TABLES**

**Table 1**  
**Soil Analytical Results Compared to Voluntary Action Program Generic Direct Contact Standards for Commercial and Industrial Use**  
**Water Tower**  
**9 Clark Street**  
**Conneaut, Ohio**  
**CT Project No. 241249**

Analyte	SB-01	SB-02	SB-03	SB-04	SB-05	SB-06	SB-07	SB-08	SB-09	SB-10	SB-11	SB-12	SB-13	SB-14	SB-15	SB-16	SB-17	SB-18	SB-19	SB-20	VAP Generic Direct-Contact Standard for Commercial/Industrial Use	VAP Generic Direct-Contact Standard for Construction Activities	
Depth Sampled	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'			
Date Sampled	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024			
<b>Water (Moisture) Content</b>																							
Percent Moisture	24.0	24.9	20.6	20.6	19.2	20.9	22.2	23.3	23.3	32.2	20.2	34.8	23.5	25.0	21.2	23.9	20.8	23.1	24.6	22.3	NV	NV	
<b>RCRA 8 Metals</b>																							
Arsenic	18	21.7	17.3	11.3	12.6	28.1	19.9	17.7	17.4	13.2	20.4	17.7	15	18.4	15	16.9	30.9	24.8	18.2	16	100	760	
Barium	58	156	79.8	64.4	71.5	117	121	326	87.3	152	79.5	187	80.1	98.1	97.5	96.7	170	245	140	152	760,000	350,000	
Cadmium	ND	ND	ND	ND	ND	0.557	ND	ND	ND	ND	1.06	0.557	1.31	0.682	ND	ND	1.39	1.28	0.702	1.33	3,300	710	
Chromium	11.6	15.7	14.3	12.8	14.4	13.9	14.2	15.2	13.7	28.7	26.2	13.6	14.3	11.4	15.6	12.9	30.2	21.5	17.9	24.7	240	1,300	
Lead	174	<b>938</b>	<b>513</b>	61	240	312	<b>433</b>	<b>1,140</b>	176	<b>2,640</b>	<b>12,600</b>	<b>863</b>	246	313	87.4	353	<b>8,460</b>	<b>6,090</b>	<b>1,970</b>	<b>3,190</b>	800	400	
Mercury	ND	0.071	0.046	ND	0.07	0.059	ND	ND	ND	0.065	0.069	0.06	ND	ND	0.054	0.082	0.081	0.049	0.055	0.079	3.1	3.1	

- Notes:
1. All concentrations reported in milligrams per kilogram (mg/kg), which is approximately equivalent to parts per million (ppm).
  2. Bold indicates analyte above regulatory limit.
  3. NV indicates there is no value for that standard.
  4. Shaded indicates exceedance of indicated regulatory limit.
  5. ND indicates a value below laboratory method detection limit.

# FIGURES



9 Clark Street,  
Conneaut,  
Ashtabula County,  
Ohio 44030

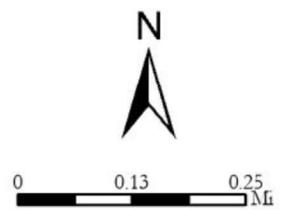
CT Consultants  
Project: 241249

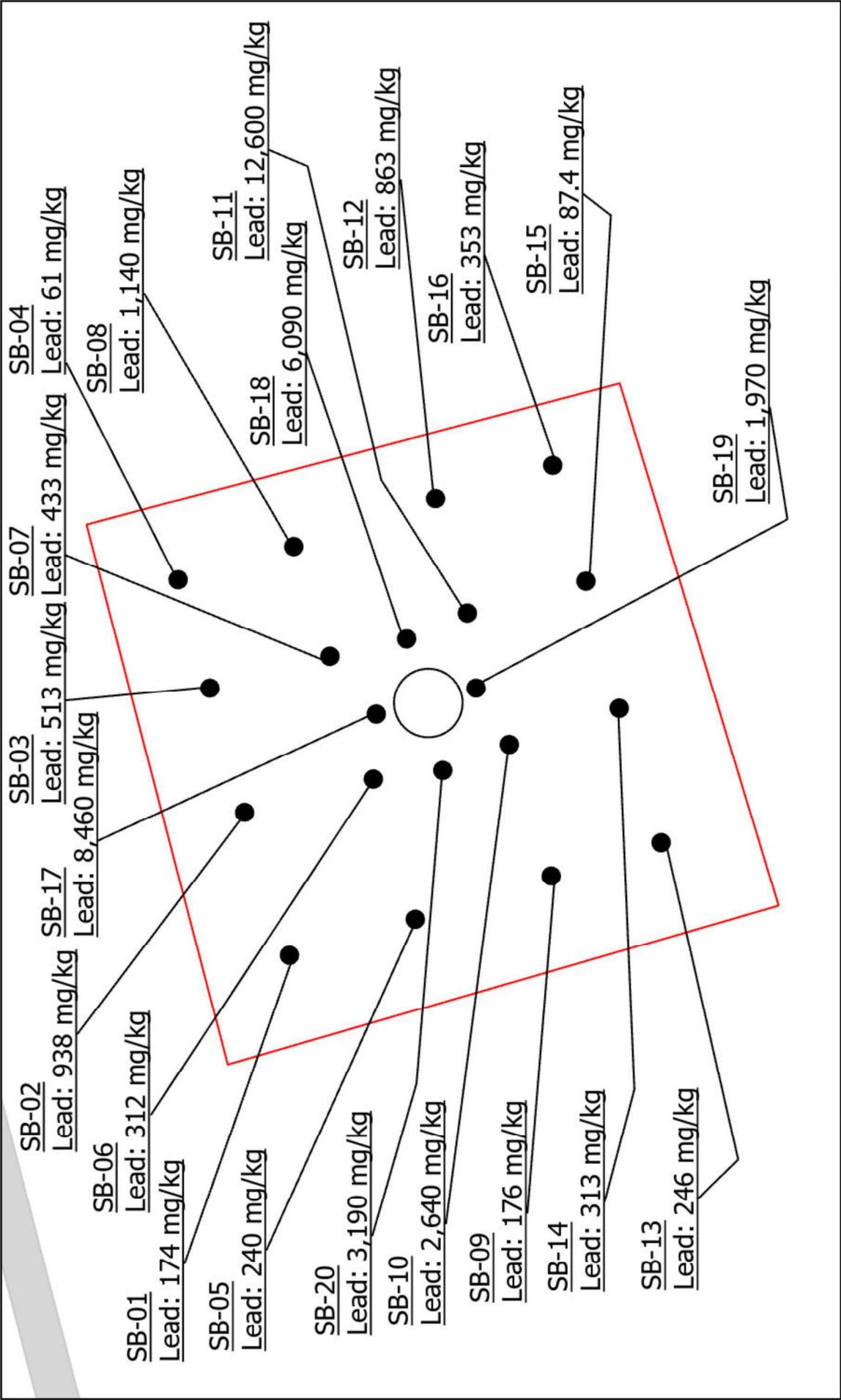
### Figure 1: Property Location Map

Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors,  
Province of Ontario, Esri Canada, Esri, TomTom, Garmin, SafeGraph,  
GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau,  
USDA, USFWS, NRCan, Parks Canada

2024

Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere





<p>9 Clark Street, Conneaut, Ashtabula County, Ohio 44030</p> <p>CT Consultants Project: 241249</p>	<h2>Figure 2: Sample Location Map</h2>	<p>2024</p>
<p>Esri Community Maps Contributors, Province of Ontario, © OpenStreetMap, Microsoft, Esri Canada, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, NRCan, Parks Canada</p> <p>Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere</p>		

## **APPENDICES**

**APPENDIX A**  
**LABORATORY ANALYTICAL RESULTS**



Summit Environmental Technologies, Inc.  
3310 Win St.  
Cuyahoga Falls, Ohio 44223  
TEL: (330) 253-8211 FAX: (330) 253-4489  
Website: <http://www.settek.com>

June 06, 2024

Johnathan Adams  
CT Consultants  
8150 Sterling Court  
Mentor, OH 44060  
TEL:  
FAX:

RE: 9 Clark Street

Dear Johnathan Adams:

Order No.: 24060039

Summit Environmental Technologies, Inc. received 20 sample(s) on 5/31/2024 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

Holly Florea  
Project Manager  
3310 Win St.  
Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0108, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C



**SUMMIT**  
ENVIRONMENTAL TECHNOLOGIES, INC.  
Analytical Laboratories

Summit Environmental Technologies, Inc.  
3310 Win St.  
Cuyahoga Falls, Ohio 44223  
TEL: (330) 253-8211 FAX: (330) 253-4489  
Website: <http://www.settek.com>

## Case Narrative

WO#: 24060039  
Date: 6/6/2024

---

**CLIENT:** CT Consultants

**Project:** 9 Clark Street

---

This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Summit Environmental Technologies, Inc., Work Order Number assigned to this report.

Summit Environmental Technologies, Inc., holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the customer. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

All results for Solid Samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

---

Original



Summit Environmental Technologies, Inc.  
 3310 Win St.  
 Cuyahoga Falls, Ohio 44223  
 TEL: (330) 253-8211 FAX: (330) 253-4489  
 Website: <http://www.settek.com>

## Workorder Sample Summary

WO#: 24060039

06-Jun-24

**CLIENT:** CT Consultants

**Project:** 9 Clark Street

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
24060039-001	SB-01		5/30/2024 10:10:00 AM	5/31/2024 9:25:00 AM	Solid
24060039-002	SB-02		5/30/2024 10:20:00 AM	5/31/2024 9:25:00 AM	Solid
24060039-003	SB-03		5/30/2024 10:30:00 AM	5/31/2024 9:25:00 AM	Solid
24060039-004	SB-04		5/30/2024 10:40:00 AM	5/31/2024 9:25:00 AM	Solid
24060039-005	SB-05		5/30/2024 10:45:00 AM	5/31/2024 9:25:00 AM	Solid
24060039-006	SB-06		5/30/2024 10:50:00 AM	5/31/2024 9:25:00 AM	Solid
24060039-007	SB-07		5/30/2024 11:00:00 AM	5/31/2024 9:25:00 AM	Solid
24060039-008	SB-08		5/30/2024 11:05:00 AM	5/31/2024 9:25:00 AM	Solid
24060039-009	SB-09		5/30/2024 11:15:00 AM	5/31/2024 9:25:00 AM	Solid
24060039-010	SB-10		5/30/2024 11:25:00 AM	5/31/2024 9:25:00 AM	Solid
24060039-011	SB-11		5/30/2024 11:30:00 AM	5/31/2024 9:25:00 AM	Solid
24060039-012	SB-12		5/30/2024 11:40:00 AM	5/31/2024 9:25:00 AM	Solid
24060039-013	SB-13		5/30/2024 12:05:00 PM	5/31/2024 9:25:00 AM	Solid
24060039-014	SB-14		5/30/2024 12:10:00 PM	5/31/2024 9:25:00 AM	Solid
24060039-015	SB-15		5/30/2024 12:15:00 PM	5/31/2024 9:25:00 AM	Solid
24060039-016	SB-16		5/30/2024 12:25:00 PM	5/31/2024 9:25:00 AM	Solid
24060039-017	SB-17		5/30/2024 12:45:00 PM	5/31/2024 9:25:00 AM	Solid
24060039-018	SB-18		5/30/2024 12:55:00 PM	5/31/2024 9:25:00 AM	Solid
24060039-019	SB-19		5/30/2024 1:00:00 PM	5/31/2024 9:25:00 AM	Solid
24060039-020	SB-20		5/30/2024	5/31/2024 9:25:00 AM	Solid



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# Analytical Report

(consolidated)

WO#: **24060039**

Date Reported: **6/6/2024**

**CLIENT:** CT Consultants

**Collection Date:** 5/30/2024 10:10:00 AM

**Project:** 9 Clark Street

**Lab ID:** 24060039-001

**Matrix:** SOLID

**Client Sample ID:** SB-01

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW7471</b>	<b>SW7471A</b>	Analyst: <b>MP</b>
<b>MERCURY ANALYSIS (7471)</b>						
Mercury	ND	0.057		mg/Kg-dry	1	6/5/2024 10:24:00 AM
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW6010</b>	<b>SW3050B</b>	Analyst: <b>RJE</b>
<b>METALS ANALYSIS (6010D)</b>						
Arsenic(As)	18.0	2.81		mg/Kg-dry	1	6/6/2024 8:41:00 AM
Barium(Ba)	58.0	5.62		mg/Kg-dry	1	6/6/2024 8:41:00 AM
Cadmium(Cd)	ND	0.562		mg/Kg-dry	1	6/6/2024 8:41:00 AM
Chromium(Cr)	11.6	2.81		mg/Kg-dry	1	6/6/2024 8:41:00 AM
Lead(Pb)	174	2.81		mg/Kg-dry	1	6/6/2024 8:41:00 AM
Selenium(Se)	ND	2.81		mg/Kg-dry	1	6/6/2024 8:41:00 AM
Silver(Ag)	ND	2.81		mg/Kg-dry	1	6/6/2024 8:41:00 AM
<b>PERCENT MOISTURE BY SM2540MOD</b>				<b>A2540B</b>		Analyst: <b>AAA</b>
Percent Moisture	24.0	0.100		%	1	6/3/2024 4:10:00 PM

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Manual Integration used to determine area response	ND	Not Detected
	PL	Permit Limit	RL	Reporting Detection Limit
	W	Sample container temperature is out of limit as specified at testcode		



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# Analytical Report

(consolidated)

WO#: **24060039**

Date Reported: **6/6/2024**

**CLIENT:** CT Consultants

**Collection Date:** 5/30/2024 10:20:00 AM

**Project:** 9 Clark Street

**Lab ID:** 24060039-002

**Matrix:** SOLID

**Client Sample ID:** SB-02

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW7471</b>	<b>SW7471A</b>	Analyst: <b>MP</b>
<b>MERCURY ANALYSIS (7471)</b>						
Mercury	0.071	0.054		mg/Kg-dry	1	6/5/2024 10:32:00 AM
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW6010</b>	<b>SW3050B</b>	Analyst: <b>RJE</b>
<b>METALS ANALYSIS (6010D)</b>						
Arsenic(As)	21.7	3.11		mg/Kg-dry	1	6/6/2024 9:01:00 AM
Barium(Ba)	156	6.22		mg/Kg-dry	1	6/6/2024 9:01:00 AM
Cadmium(Cd)	ND	0.622		mg/Kg-dry	1	6/6/2024 9:01:00 AM
Chromium(Cr)	15.7	3.11		mg/Kg-dry	1	6/6/2024 9:01:00 AM
Lead(Pb)	938	62.2		mg/Kg-dry	20	6/6/2024 10:29:00 AM
Selenium(Se)	ND	3.11		mg/Kg-dry	1	6/6/2024 9:01:00 AM
Silver(Ag)	ND	3.11		mg/Kg-dry	1	6/6/2024 9:01:00 AM
<b>PERCENT MOISTURE BY SM2540MOD</b>				<b>A2540B</b>		Analyst: <b>AAA</b>
Percent Moisture	24.9	0.100		%	1	6/3/2024 4:10:00 PM

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Manual Integration used to determine area response	ND	Not Detected
	PL	Permit Limit	RL	Reporting Detection Limit
	W	Sample container temperature is out of limit as specified at testcode		



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# Analytical Report

(consolidated)

WO#: **24060039**

Date Reported: **6/6/2024**

**CLIENT:** CT Consultants

**Collection Date:** 5/30/2024 10:30:00 AM

**Project:** 9 Clark Street

**Lab ID:** 24060039-003

**Matrix:** SOLID

**Client Sample ID:** SB-03

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW7471</b>	<b>SW7471A</b>	Analyst: <b>MP</b>
<b>MERCURY ANALYSIS (7471)</b>						
Mercury	0.046	0.046		mg/Kg-dry	1	6/5/2024 10:35:00 AM
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW6010</b>	<b>SW3050B</b>	Analyst: <b>RJE</b>
<b>METALS ANALYSIS (6010D)</b>						
Arsenic(As)	17.3	2.86		mg/Kg-dry	1	6/6/2024 9:04:00 AM
Barium(Ba)	79.8	5.73		mg/Kg-dry	1	6/6/2024 9:04:00 AM
Cadmium(Cd)	ND	0.573		mg/Kg-dry	1	6/6/2024 9:04:00 AM
Chromium(Cr)	14.3	2.86		mg/Kg-dry	1	6/6/2024 9:04:00 AM
Lead(Pb)	513	2.86		mg/Kg-dry	1	6/6/2024 9:04:00 AM
Selenium(Se)	ND	2.86		mg/Kg-dry	1	6/6/2024 9:04:00 AM
Silver(Ag)	ND	2.86		mg/Kg-dry	1	6/6/2024 9:04:00 AM
<b>PERCENT MOISTURE BY SM2540MOD</b>				<b>A2540B</b>		Analyst: <b>AAA</b>
Percent Moisture	20.6	0.100		%	1	6/3/2024 4:10:00 PM

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Manual Integration used to determine area response	ND	Not Detected
	PL	Permit Limit	RL	Reporting Detection Limit
	W	Sample container temperature is out of limit as specified at testcode		



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 Cuyahoga Falls, Ohio 44223  
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# Analytical Report

(consolidated)

WO#: **24060039**

Date Reported: **6/6/2024**

**CLIENT:** CT Consultants  
**Project:** 9 Clark Street  
**Lab ID:** 24060039-004  
**Client Sample ID:** SB-04

**Collection Date:** 5/30/2024 10:40:00 AM

**Matrix:** SOLID

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>RCRA METALS (SW6010/SW7471) MERCURY ANALYSIS (7471)</b>				<b>SW7471</b>	<b>SW7471A</b>	Analyst: <b>MP</b>
Mercury	ND	0.054		mg/Kg-dry	1	6/5/2024 10:38:00 AM
<b>RCRA METALS (SW6010/SW7471) METALS ANALYSIS (6010D)</b>				<b>SW6010</b>	<b>SW3050B</b>	Analyst: <b>RJE</b>
Arsenic(As)	11.3	2.97		mg/Kg-dry	1	6/6/2024 9:08:00 AM
Barium(Ba)	64.4	5.94		mg/Kg-dry	1	6/6/2024 9:08:00 AM
Cadmium(Cd)	ND	0.594		mg/Kg-dry	1	6/6/2024 9:08:00 AM
Chromium(Cr)	12.8	2.97		mg/Kg-dry	1	6/6/2024 9:08:00 AM
Lead(Pb)	61.0	2.97		mg/Kg-dry	1	6/6/2024 9:08:00 AM
Selenium(Se)	ND	2.97		mg/Kg-dry	1	6/6/2024 9:08:00 AM
Silver(Ag)	ND	2.97		mg/Kg-dry	1	6/6/2024 9:08:00 AM
<b>PERCENT MOISTURE BY SM2540MOD</b>				<b>A2540B</b>		Analyst: <b>AAA</b>
Percent Moisture	20.6	0.100		%	1	6/3/2024 4:10:00 PM

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Manual Integration used to determine area response	ND	Not Detected
	PL	Permit Limit	RL	Reporting Detection Limit
	W	Sample container temperature is out of limit as specified at testcode		



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 Cuyahoga Falls, Ohio 44223  
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# Analytical Report

(consolidated)

WO#: **24060039**

Date Reported: **6/6/2024**

**CLIENT:** CT Consultants  
**Project:** 9 Clark Street  
**Lab ID:** 24060039-005  
**Client Sample ID:** SB-05

**Collection Date:** 5/30/2024 10:45:00 AM

**Matrix:** SOLID

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW7471</b>	<b>SW7471A</b>	Analyst: <b>MP</b>
<b>MERCURY ANALYSIS (7471)</b>						
Mercury	0.070	0.059		mg/Kg-dry	1	6/5/2024 10:40:00 AM
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW6010</b>	<b>SW3050B</b>	Analyst: <b>RJE</b>
<b>METALS ANALYSIS (6010D)</b>						
Arsenic(As)	12.6	2.74		mg/Kg-dry	1	6/6/2024 9:11:00 AM
Barium(Ba)	71.5	5.47		mg/Kg-dry	1	6/6/2024 9:11:00 AM
Cadmium(Cd)	ND	0.547		mg/Kg-dry	1	6/6/2024 9:11:00 AM
Chromium(Cr)	14.4	2.74		mg/Kg-dry	1	6/6/2024 9:11:00 AM
Lead(Pb)	240	2.74		mg/Kg-dry	1	6/6/2024 9:11:00 AM
Selenium(Se)	ND	2.74		mg/Kg-dry	1	6/6/2024 9:11:00 AM
Silver(Ag)	ND	2.74		mg/Kg-dry	1	6/6/2024 9:11:00 AM
<b>PERCENT MOISTURE BY SM2540MOD</b>				<b>A2540B</b>		Analyst: <b>AAA</b>
Percent Moisture	19.2	0.100		%	1	6/3/2024 4:10:00 PM

**Qualifiers:** E Value above quantitation range H Holding times for preparation or analysis exceeded  
 M Manual Integration used to determine area response ND Not Detected  
 PL Permit Limit RL Reporting Detection Limit  
 W Sample container temperature is out of limit as specified at testcode



Summit Environmental Technologies, Inc.  
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 Cuyahoga Falls, Ohio 44223  
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 Website: <http://www.settek.com>

# Analytical Report

(consolidated)

WO#: **24060039**

Date Reported: **6/6/2024**

**CLIENT:** CT Consultants  
**Project:** 9 Clark Street  
**Lab ID:** 24060039-006  
**Client Sample ID:** SB-06

**Collection Date:** 5/30/2024 10:50:00 AM

**Matrix:** SOLID

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW7471</b>	<b>SW7471A</b>	Analyst: <b>MP</b>
<b>MERCURY ANALYSIS (7471)</b>						
Mercury	0.059	0.046		mg/Kg-dry	1	6/5/2024 10:43:00 AM
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW6010</b>	<b>SW3050B</b>	Analyst: <b>RJE</b>
<b>METALS ANALYSIS (6010D)</b>						
Arsenic(As)	28.1	2.68		mg/Kg-dry	1	6/6/2024 9:15:00 AM
Barium(Ba)	117	5.36		mg/Kg-dry	1	6/6/2024 9:15:00 AM
Cadmium(Cd)	0.557	0.536		mg/Kg-dry	1	6/6/2024 9:15:00 AM
Chromium(Cr)	13.9	2.68		mg/Kg-dry	1	6/6/2024 9:15:00 AM
Lead(Pb)	312	2.68		mg/Kg-dry	1	6/6/2024 9:15:00 AM
Selenium(Se)	ND	2.68		mg/Kg-dry	1	6/6/2024 9:15:00 AM
Silver(Ag)	ND	2.68		mg/Kg-dry	1	6/6/2024 9:15:00 AM
<b>PERCENT MOISTURE BY SM2540MOD</b>				<b>A2540B</b>		Analyst: <b>AAA</b>
Percent Moisture	20.9	0.100		%	1	6/3/2024 4:10:00 PM

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Manual Integration used to determine area response	ND	Not Detected
	PL	Permit Limit	RL	Reporting Detection Limit
	W	Sample container temperature is out of limit as specified at testcode		



Summit Environmental Technologies, Inc.  
 3310 Win St.  
 Cuyahoga Falls, Ohio 44223  
 TEL: (330) 253-8211 FAX: (330) 253-4489  
 Website: <http://www.settek.com>

# Analytical Report

(consolidated)

WO#: **24060039**

Date Reported: **6/6/2024**

**CLIENT:** CT Consultants  
**Project:** 9 Clark Street  
**Lab ID:** 24060039-007  
**Client Sample ID:** SB-07

**Collection Date:** 5/30/2024 11:00:00 AM

**Matrix:** SOLID

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW7471</b>	<b>SW7471A</b>	Analyst: <b>MP</b>
<b>MERCURY ANALYSIS (7471)</b>						
Mercury	ND	0.058		mg/Kg-dry	1	6/5/2024 10:46:00 AM
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW6010</b>	<b>SW3050B</b>	Analyst: <b>RJE</b>
<b>METALS ANALYSIS (6010D)</b>						
Arsenic(As)	19.9	3.03		mg/Kg-dry	1	6/6/2024 9:18:00 AM
Barium(Ba)	121	6.06		mg/Kg-dry	1	6/6/2024 9:18:00 AM
Cadmium(Cd)	ND	0.606		mg/Kg-dry	1	6/6/2024 9:18:00 AM
Chromium(Cr)	14.2	3.03		mg/Kg-dry	1	6/6/2024 9:18:00 AM
Lead(Pb)	433	3.03		mg/Kg-dry	1	6/6/2024 9:18:00 AM
Selenium(Se)	ND	3.03		mg/Kg-dry	1	6/6/2024 9:18:00 AM
Silver(Ag)	ND	3.03		mg/Kg-dry	1	6/6/2024 9:18:00 AM
<b>PERCENT MOISTURE BY SM2540MOD</b>				<b>A2540B</b>		Analyst: <b>AAA</b>
Percent Moisture	22.2	0.100		%	1	6/3/2024 4:10:00 PM

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Manual Integration used to determine area response	ND	Not Detected
	PL	Permit Limit	RL	Reporting Detection Limit
	W	Sample container temperature is out of limit as specified at testcode		



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# Analytical Report

(consolidated)

WO#: 24060039

Date Reported: 6/6/2024

**CLIENT:** CT Consultants  
**Project:** 9 Clark Street  
**Lab ID:** 24060039-008  
**Client Sample ID:** SB-08

**Collection Date:** 5/30/2024 11:05:00 AM

**Matrix:** SOLID

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW7471</b>	<b>SW7471A</b>	Analyst: <b>MP</b>
<b>MERCURY ANALYSIS (7471)</b>						
Mercury	ND	0.054		mg/Kg-dry	1	6/5/2024 10:49:00 AM
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW6010</b>	<b>SW3050B</b>	Analyst: <b>RJE</b>
<b>METALS ANALYSIS (6010D)</b>						
Arsenic(As)	17.7	2.91		mg/Kg-dry	1	6/6/2024 9:21:00 AM
Barium(Ba)	326	5.82		mg/Kg-dry	1	6/6/2024 9:21:00 AM
Cadmium(Cd)	ND	0.582		mg/Kg-dry	1	6/6/2024 9:21:00 AM
Chromium(Cr)	15.2	2.91		mg/Kg-dry	1	6/6/2024 9:21:00 AM
Lead(Pb)	1140	58.2		mg/Kg-dry	20	6/6/2024 10:32:00 AM
Selenium(Se)	ND	2.91		mg/Kg-dry	1	6/6/2024 9:21:00 AM
Silver(Ag)	ND	2.91		mg/Kg-dry	1	6/6/2024 9:21:00 AM
<b>PERCENT MOISTURE BY SM2540MOD</b>				<b>A2540B</b>		Analyst: <b>AAA</b>
Percent Moisture	23.3	0.100		%	1	6/3/2024 4:10:00 PM

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		



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# Analytical Report

(consolidated)

WO#: **24060039**

Date Reported: **6/6/2024**

**CLIENT:** CT Consultants  
**Project:** 9 Clark Street  
**Lab ID:** 24060039-009  
**Client Sample ID:** SB-09

**Collection Date:** 5/30/2024 11:15:00 AM

**Matrix:** SOLID

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW7471</b>	<b>SW7471A</b>	Analyst: <b>MP</b>
<b>MERCURY ANALYSIS (7471)</b>						
Mercury	ND	0.047		mg/Kg-dry	1	6/5/2024 10:51:00 AM
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW6010</b>	<b>SW3050B</b>	Analyst: <b>RJE</b>
<b>METALS ANALYSIS (6010D)</b>						
Arsenic(As)	17.4	3.13		mg/Kg-dry	1	6/6/2024 9:25:00 AM
Barium(Ba)	87.3	6.27		mg/Kg-dry	1	6/6/2024 9:25:00 AM
Cadmium(Cd)	ND	0.627		mg/Kg-dry	1	6/6/2024 9:25:00 AM
Chromium(Cr)	13.7	3.13		mg/Kg-dry	1	6/6/2024 9:25:00 AM
Lead(Pb)	176	3.13		mg/Kg-dry	1	6/6/2024 9:25:00 AM
Selenium(Se)	ND	3.13		mg/Kg-dry	1	6/6/2024 9:25:00 AM
Silver(Ag)	ND	3.13		mg/Kg-dry	1	6/6/2024 9:25:00 AM
<b>PERCENT MOISTURE BY SM2540MOD</b>				<b>A2540B</b>		Analyst: <b>AAA</b>
Percent Moisture	23.3	0.100		%	1	6/3/2024 4:10:00 PM

**Qualifiers:** E Value above quantitation range H Holding times for preparation or analysis exceeded  
 M Manual Integration used to determine area response ND Not Detected  
 PL Permit Limit RL Reporting Detection Limit  
 W Sample container temperature is out of limit as specified at testcode



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# Analytical Report

(consolidated)

WO#: **24060039**

Date Reported: **6/6/2024**

**CLIENT:** CT Consultants  
**Project:** 9 Clark Street  
**Lab ID:** 24060039-010  
**Client Sample ID:** SB-10

**Collection Date:** 5/30/2024 11:25:00 AM

**Matrix:** SOLID

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW7471</b>	<b>SW7471A</b>	Analyst: <b>MP</b>
<b>MERCURY ANALYSIS (7471)</b>						
Mercury	0.065	0.064		mg/Kg-dry	1	6/5/2024 11:00:00 AM
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW6010</b>	<b>SW3050B</b>	Analyst: <b>RJE</b>
<b>METALS ANALYSIS (6010D)</b>						
Arsenic(As)	13.2	3.69		mg/Kg-dry	1	6/6/2024 9:28:00 AM
Barium(Ba)	152	7.38		mg/Kg-dry	1	6/6/2024 9:28:00 AM
Cadmium(Cd)	1.06	0.738		mg/Kg-dry	1	6/6/2024 9:28:00 AM
Chromium(Cr)	28.7	3.69		mg/Kg-dry	1	6/6/2024 9:28:00 AM
Lead(Pb)	2640	73.8		mg/Kg-dry	20	6/6/2024 10:36:00 AM
Selenium(Se)	ND	3.69		mg/Kg-dry	1	6/6/2024 9:28:00 AM
Silver(Ag)	ND	3.69		mg/Kg-dry	1	6/6/2024 9:28:00 AM
<b>PERCENT MOISTURE BY SM2540MOD</b>				<b>A2540B</b>		Analyst: <b>AAA</b>
Percent Moisture	32.2	0.100		%	1	6/4/2024 3:40:00 PM

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		



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# Analytical Report

(consolidated)

WO#: 24060039

Date Reported: 6/6/2024

**CLIENT:** CT Consultants  
**Project:** 9 Clark Street  
**Lab ID:** 24060039-011  
**Client Sample ID:** SB-11

**Collection Date:** 5/30/2024 11:30:00 AM

**Matrix:** SOLID

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW7471</b>	<b>SW7471A</b>	Analyst: <b>MP</b>
<b>MERCURY ANALYSIS (7471)</b>						
Mercury	0.069	0.050		mg/Kg-dry	1	6/5/2024 11:03:00 AM
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW6010</b>	<b>SW3050B</b>	Analyst: <b>RJE</b>
<b>METALS ANALYSIS (6010D)</b>						
Arsenic(As)	20.4	2.82		mg/Kg-dry	1	6/6/2024 9:32:00 AM
Barium(Ba)	79.5	5.65		mg/Kg-dry	1	6/6/2024 9:32:00 AM
Cadmium(Cd)	1.31	0.565		mg/Kg-dry	1	6/6/2024 9:32:00 AM
Chromium(Cr)	26.2	2.82		mg/Kg-dry	1	6/6/2024 9:32:00 AM
Lead(Pb)	12600	282		mg/Kg-dry	100	6/6/2024 10:39:00 AM
Selenium(Se)	ND	2.82		mg/Kg-dry	1	6/6/2024 9:32:00 AM
Silver(Ag)	ND	2.82		mg/Kg-dry	1	6/6/2024 9:32:00 AM
<b>PERCENT MOISTURE BY SM2540MOD</b>				<b>A2540B</b>		Analyst: <b>AAA</b>
Percent Moisture	20.2	0.100		%	1	6/4/2024 3:40:00 PM

**Qualifiers:** E Value above quantitation range H Holding times for preparation or analysis exceeded  
 M Manual Integration used to determine area response ND Not Detected  
 PL Permit Limit RL Reporting Detection Limit  
 W Sample container temperature is out of limit as specified at testcode



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# Analytical Report

(consolidated)

WO#: **24060039**

Date Reported: **6/6/2024**

**CLIENT:** CT Consultants  
**Project:** 9 Clark Street  
**Lab ID:** 24060039-012  
**Client Sample ID:** SB-12

**Collection Date:** 5/30/2024 11:40:00 AM

**Matrix:** SOLID

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW7471</b>	<b>SW7471A</b>	Analyst: <b>MP</b>
<b>MERCURY ANALYSIS (7471)</b>						
Mercury	0.060	0.056		mg/Kg-dry	1	6/5/2024 11:05:00 AM
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW6010</b>	<b>SW3050B</b>	Analyst: <b>RJE</b>
<b>METALS ANALYSIS (6010D)</b>						
Arsenic(As)	17.7	3.25		mg/Kg-dry	1	6/6/2024 9:45:00 AM
Barium(Ba)	187	6.50		mg/Kg-dry	1	6/6/2024 9:45:00 AM
Cadmium(Cd)	0.682	0.650		mg/Kg-dry	1	6/6/2024 9:45:00 AM
Chromium(Cr)	13.6	3.25		mg/Kg-dry	1	6/6/2024 9:45:00 AM
Lead(Pb)	863	65.0		mg/Kg-dry	20	6/6/2024 10:42:00 AM
Selenium(Se)	ND	3.25		mg/Kg-dry	1	6/6/2024 9:45:00 AM
Silver(Ag)	ND	3.25		mg/Kg-dry	1	6/6/2024 9:45:00 AM
<b>PERCENT MOISTURE BY SM2540MOD</b>				<b>A2540B</b>		Analyst: <b>AAA</b>
Percent Moisture	34.8	0.100		%	1	6/4/2024 3:40:00 PM

**Qualifiers:** E Value above quantitation range H Holding times for preparation or analysis exceeded  
 M Manual Integration used to determine area response ND Not Detected  
 PL Permit Limit RL Reporting Detection Limit  
 W Sample container temperature is out of limit as specified at testcode



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# Analytical Report

(consolidated)

WO#: **24060039**

Date Reported: **6/6/2024**

**CLIENT:** CT Consultants  
**Project:** 9 Clark Street  
**Lab ID:** 24060039-013  
**Client Sample ID:** SB-13

**Collection Date:** 5/30/2024 12:05:00 PM

**Matrix:** SOLID

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW7471</b>	<b>SW7471A</b>	Analyst: <b>MP</b>
<b>MERCURY ANALYSIS (7471)</b>						
Mercury	ND	0.057		mg/Kg-dry	1	6/5/2024 11:08:00 AM
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW6010</b>	<b>SW3050B</b>	Analyst: <b>RJE</b>
<b>METALS ANALYSIS (6010D)</b>						
Arsenic(As)	15.0	2.89		mg/Kg-dry	1	6/6/2024 9:49:00 AM
Barium(Ba)	80.1	5.78		mg/Kg-dry	1	6/6/2024 9:49:00 AM
Cadmium(Cd)	ND	0.578		mg/Kg-dry	1	6/6/2024 9:49:00 AM
Chromium(Cr)	14.3	2.89		mg/Kg-dry	1	6/6/2024 9:49:00 AM
Lead(Pb)	246	2.89		mg/Kg-dry	1	6/6/2024 9:49:00 AM
Selenium(Se)	ND	2.89		mg/Kg-dry	1	6/6/2024 9:49:00 AM
Silver(Ag)	ND	2.89		mg/Kg-dry	1	6/6/2024 9:49:00 AM
<b>PERCENT MOISTURE BY SM2540MOD</b>				<b>A2540B</b>		Analyst: <b>AAA</b>
Percent Moisture	23.5	0.100		%	1	6/4/2024 3:40:00 PM

**Qualifiers:** E Value above quantitation range H Holding times for preparation or analysis exceeded  
 M Manual Integration used to determine area response ND Not Detected  
 PL Permit Limit RL Reporting Detection Limit  
 W Sample container temperature is out of limit as specified at testcode



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# Analytical Report

(consolidated)

WO#: **24060039**

Date Reported: **6/6/2024**

**CLIENT:** CT Consultants  
**Project:** 9 Clark Street  
**Lab ID:** 24060039-014  
**Client Sample ID:** SB-14

**Collection Date:** 5/30/2024 12:10:00 PM

**Matrix:** SOLID

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>RCRA METALS (SW6010/SW7471)</b>					<b>SW7471</b>	<b>SW7471A</b>
<b>MERCURY ANALYSIS (7471)</b>						Analyst: <b>MP</b>
Mercury	ND	0.057		mg/Kg-dry	1	6/5/2024 11:11:00 AM
<b>RCRA METALS (SW6010/SW7471)</b>					<b>SW6010</b>	<b>SW3050B</b>
<b>METALS ANALYSIS (6010D)</b>						Analyst: <b>RJE</b>
Arsenic(As)	18.4	3.03		mg/Kg-dry	1	6/6/2024 9:52:00 AM
Barium(Ba)	98.1	6.06		mg/Kg-dry	1	6/6/2024 9:52:00 AM
Cadmium(Cd)	ND	0.606		mg/Kg-dry	1	6/6/2024 9:52:00 AM
Chromium(Cr)	11.4	3.03		mg/Kg-dry	1	6/6/2024 9:52:00 AM
Lead(Pb)	313	3.03		mg/Kg-dry	1	6/6/2024 9:52:00 AM
Selenium(Se)	ND	3.03		mg/Kg-dry	1	6/6/2024 9:52:00 AM
Silver(Ag)	ND	3.03		mg/Kg-dry	1	6/6/2024 9:52:00 AM
<b>PERCENT MOISTURE BY SM2540MOD</b>					<b>A2540B</b>	Analyst: <b>AAA</b>
Percent Moisture	25.0	0.100		%	1	6/4/2024 3:40:00 PM

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		



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# Analytical Report

(consolidated)

WO#: **24060039**

Date Reported: **6/6/2024**

**CLIENT:** CT Consultants

**Collection Date:** 5/30/2024 12:15:00 PM

**Project:** 9 Clark Street

**Lab ID:** 24060039-015

**Matrix:** SOLID

**Client Sample ID:** SB-15

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW7471</b>	<b>SW7471A</b>	Analyst: <b>MP</b>
<b>MERCURY ANALYSIS (7471)</b>						
Mercury	0.054	0.054		mg/Kg-dry	1	6/5/2024 11:14:00 AM
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW6010</b>	<b>SW3050B</b>	Analyst: <b>RJE</b>
<b>METALS ANALYSIS (6010D)</b>						
Arsenic(As)	15.0	2.86		mg/Kg-dry	1	6/6/2024 9:55:00 AM
Barium(Ba)	97.5	5.72		mg/Kg-dry	1	6/6/2024 9:55:00 AM
Cadmium(Cd)	ND	0.572		mg/Kg-dry	1	6/6/2024 9:55:00 AM
Chromium(Cr)	15.6	2.86		mg/Kg-dry	1	6/6/2024 9:55:00 AM
Lead(Pb)	87.4	2.86		mg/Kg-dry	1	6/6/2024 9:55:00 AM
Selenium(Se)	ND	2.86		mg/Kg-dry	1	6/6/2024 9:55:00 AM
Silver(Ag)	ND	2.86		mg/Kg-dry	1	6/6/2024 9:55:00 AM
<b>PERCENT MOISTURE BY SM2540MOD</b>				<b>A2540B</b>		Analyst: <b>AAA</b>
Percent Moisture	21.2	0.100		%	1	6/4/2024 3:40:00 PM

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Manual Integration used to determine area response	ND	Not Detected
	PL	Permit Limit	RL	Reporting Detection Limit
	W	Sample container temperature is out of limit as specified at testcode		



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# Analytical Report

(consolidated)

WO#: **24060039**

Date Reported: **6/6/2024**

**CLIENT:** CT Consultants  
**Project:** 9 Clark Street  
**Lab ID:** 24060039-016  
**Client Sample ID:** SB-16

**Collection Date:** 5/30/2024 12:25:00 PM

**Matrix:** SOLID

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW7471</b>	<b>SW7471A</b>	Analyst: <b>MP</b>
<b>MERCURY ANALYSIS (7471)</b>						
Mercury	0.082	0.054		mg/Kg-dry	1	6/5/2024 11:17:00 AM
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW6010</b>	<b>SW3050B</b>	Analyst: <b>RJE</b>
<b>METALS ANALYSIS (6010D)</b>						
Arsenic(As)	16.9	3.22		mg/Kg-dry	1	6/6/2024 9:59:00 AM
Barium(Ba)	96.7	6.45		mg/Kg-dry	1	6/6/2024 9:59:00 AM
Cadmium(Cd)	ND	0.645		mg/Kg-dry	1	6/6/2024 9:59:00 AM
Chromium(Cr)	12.9	3.22		mg/Kg-dry	1	6/6/2024 9:59:00 AM
Lead(Pb)	353	3.22		mg/Kg-dry	1	6/6/2024 9:59:00 AM
Selenium(Se)	ND	3.22		mg/Kg-dry	1	6/6/2024 9:59:00 AM
Silver(Ag)	ND	3.22		mg/Kg-dry	1	6/6/2024 9:59:00 AM
<b>PERCENT MOISTURE BY SM2540MOD</b>				<b>A2540B</b>		Analyst: <b>AAA</b>
Percent Moisture	23.9	0.100		%	1	6/4/2024 3:40:00 PM

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Manual Integration used to determine area response	ND	Not Detected
PL	Permit Limit	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		



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# Analytical Report

(consolidated)

WO#: 24060039

Date Reported: 6/6/2024

**CLIENT:** CT Consultants  
**Project:** 9 Clark Street  
**Lab ID:** 24060039-017  
**Client Sample ID:** SB-17

**Collection Date:** 5/30/2024 12:45:00 PM

**Matrix:** SOLID

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW7471</b>	<b>SW7471A</b>	Analyst: <b>MP</b>
<b>MERCURY ANALYSIS (7471)</b>						
Mercury	0.081	0.051		mg/Kg-dry	1	6/5/2024 11:19:00 AM
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW6010</b>	<b>SW3050B</b>	Analyst: <b>RJE</b>
<b>METALS ANALYSIS (6010D)</b>						
Arsenic(As)	30.9	2.65		mg/Kg-dry	1	6/6/2024 10:02:00 AM
Barium(Ba)	170	5.31		mg/Kg-dry	1	6/6/2024 10:02:00 AM
Cadmium(Cd)	1.39	0.531		mg/Kg-dry	1	6/6/2024 10:02:00 AM
Chromium(Cr)	30.2	2.65		mg/Kg-dry	1	6/6/2024 10:02:00 AM
Lead(Pb)	8460	265		mg/Kg-dry	100	6/6/2024 10:46:00 AM
Selenium(Se)	ND	2.65		mg/Kg-dry	1	6/6/2024 10:02:00 AM
Silver(Ag)	ND	2.65		mg/Kg-dry	1	6/6/2024 10:02:00 AM
<b>PERCENT MOISTURE BY SM2540MOD</b>				<b>A2540B</b>		Analyst: <b>AAA</b>
Percent Moisture	20.8	0.100		%	1	6/4/2024 3:40:00 PM

**Qualifiers:** E Value above quantitation range H Holding times for preparation or analysis exceeded  
 M Manual Integration used to determine area response ND Not Detected  
 PL Permit Limit RL Reporting Detection Limit  
 W Sample container temperature is out of limit as specified at testcode



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# Analytical Report

(consolidated)

WO#: 24060039

Date Reported: 6/6/2024

**CLIENT:** CT Consultants  
**Project:** 9 Clark Street  
**Lab ID:** 24060039-018  
**Client Sample ID:** SB-18

**Collection Date:** 5/30/2024 12:55:00 PM

**Matrix:** SOLID

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW7471</b>	<b>SW7471A</b>	Analyst: <b>MP</b>
<b>MERCURY ANALYSIS (7471)</b>						
Mercury	0.049	0.049		mg/Kg-dry	1	6/4/2024 11:40:00 AM
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW6010</b>	<b>SW3050B</b>	Analyst: <b>RJE</b>
<b>METALS ANALYSIS (6010D)</b>						
Arsenic(As)	24.8	2.71		mg/Kg-dry	1	6/6/2024 10:06:00 AM
Barium(Ba)	245	5.42		mg/Kg-dry	1	6/6/2024 10:06:00 AM
Cadmium(Cd)	1.28	0.542		mg/Kg-dry	1	6/6/2024 10:06:00 AM
Chromium(Cr)	21.5	2.71		mg/Kg-dry	1	6/6/2024 10:06:00 AM
Lead(Pb)	6090	271		mg/Kg-dry	100	6/6/2024 10:49:00 AM
Selenium(Se)	ND	2.71		mg/Kg-dry	1	6/6/2024 10:06:00 AM
Silver(Ag)	ND	2.71		mg/Kg-dry	1	6/6/2024 10:06:00 AM
<b>PERCENT MOISTURE BY SM2540MOD</b>				<b>A2540B</b>		Analyst: <b>AAA</b>
Percent Moisture	23.1	0.100		%	1	6/4/2024 3:40:00 PM

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Manual Integration used to determine area response	ND	Not Detected
	PL	Permit Limit	RL	Reporting Detection Limit
	W	Sample container temperature is out of limit as specified at testcode		



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# Analytical Report

(consolidated)

WO#: **24060039**

Date Reported: **6/6/2024**

**CLIENT:** CT Consultants

**Collection Date:** 5/30/2024 1:00:00 PM

**Project:** 9 Clark Street

**Lab ID:** 24060039-019

**Matrix:** SOLID

**Client Sample ID:** SB-19

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW7471</b>	<b>SW7471A</b>	Analyst: <b>MP</b>
<b>MERCURY ANALYSIS (7471)</b>						
Mercury	ND	0.055		mg/Kg-dry	1	6/4/2024 11:43:00 AM
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW6010</b>	<b>SW3050B</b>	Analyst: <b>RJE</b>
<b>METALS ANALYSIS (6010D)</b>						
Arsenic(As)	18.2	2.79		mg/Kg-dry	1	6/6/2024 10:09:00 AM
Barium(Ba)	140	5.57		mg/Kg-dry	1	6/6/2024 10:09:00 AM
Cadmium(Cd)	0.702	0.557		mg/Kg-dry	1	6/6/2024 10:09:00 AM
Chromium(Cr)	17.9	2.79		mg/Kg-dry	1	6/6/2024 10:09:00 AM
Lead(Pb)	1970	55.7		mg/Kg-dry	20	6/6/2024 10:53:00 AM
Selenium(Se)	ND	2.79		mg/Kg-dry	1	6/6/2024 10:09:00 AM
Silver(Ag)	ND	2.79		mg/Kg-dry	1	6/6/2024 10:09:00 AM
<b>PERCENT MOISTURE BY SM2540MOD</b>				<b>A2540B</b>		Analyst: <b>AAA</b>
Percent Moisture	24.6	0.100		%	1	6/4/2024 3:40:00 PM

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	M	Manual Integration used to determine area response	ND	Not Detected
	PL	Permit Limit	RL	Reporting Detection Limit
	W	Sample container temperature is out of limit as specified at testcode		



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# Analytical Report

(consolidated)

WO#: **24060039**

Date Reported: **6/6/2024**

**CLIENT:** CT Consultants  
**Project:** 9 Clark Street  
**Lab ID:** 24060039-020  
**Client Sample ID:** SB-20

**Collection Date:** 5/30/2024

**Matrix:** SOLID

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW7471</b>	<b>SW7471A</b>	Analyst: <b>MP</b>
<b>MERCURY ANALYSIS (7471)</b>						
Mercury	0.079	0.057		mg/Kg-dry	1	6/4/2024 11:46:00 AM
<b>RCRA METALS (SW6010/SW7471)</b>				<b>SW6010</b>	<b>SW3050B</b>	Analyst: <b>RJE</b>
<b>METALS ANALYSIS (6010D)</b>						
Arsenic(As)	16.0	2.82		mg/Kg-dry	1	6/6/2024 10:12:00 AM
Barium(Ba)	152	5.65		mg/Kg-dry	1	6/6/2024 10:12:00 AM
Cadmium(Cd)	1.33	0.565		mg/Kg-dry	1	6/6/2024 10:12:00 AM
Chromium(Cr)	24.7	2.82		mg/Kg-dry	1	6/6/2024 10:12:00 AM
Lead(Pb)	3190	141		mg/Kg-dry	50	6/6/2024 10:56:00 AM
Selenium(Se)	ND	2.82		mg/Kg-dry	1	6/6/2024 10:12:00 AM
Silver(Ag)	ND	2.82		mg/Kg-dry	1	6/6/2024 10:12:00 AM
<b>PERCENT MOISTURE BY SM2540MOD</b>				<b>A2540B</b>		Analyst: <b>AAA</b>
Percent Moisture	22.3	0.100		%	1	6/4/2024 3:40:00 PM

**Qualifiers:** E Value above quantitation range H Holding times for preparation or analysis exceeded  
 M Manual Integration used to determine area response ND Not Detected  
 PL Permit Limit RL Reporting Detection Limit  
 W Sample container temperature is out of limit as specified at testcode



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# QC SUMMARY REPORT

WO#: **24060039**  
**06-Jun-24**

**Client:** CT Consultants  
**Project:** 9 Clark Street

**BatchID:** 75803

Sample ID: <b>MB-75803</b>	SampType: <b>MBLK</b>	TestCode: <b>HG_S(7471B)</b>	Units: <b>mg/Kg</b>	Prep Date: <b>6/4/2024</b>	RunNo: <b>186803</b>						
Client ID: <b>PBS</b>	Batch ID: <b>75803</b>	TestNo: <b>SW7471</b>	<b>SW7471A</b>	Analysis Date: <b>6/4/2024</b>	SeqNo: <b>5061621</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.042									

Sample ID: <b>LCS-75803</b>	SampType: <b>LCS</b>	TestCode: <b>HG_S(7471B)</b>	Units: <b>mg/Kg</b>	Prep Date: <b>6/4/2024</b>	RunNo: <b>186803</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>75803</b>	TestNo: <b>SW7471</b>	<b>SW7471A</b>	Analysis Date: <b>6/4/2024</b>	SeqNo: <b>5061622</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.34	0.042	0.33	0	103	80	120				

Sample ID: <b>24060039-020AMS</b>	SampType: <b>MS</b>	TestCode: <b>HG_S(7471B)</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>6/4/2024</b>	RunNo: <b>186803</b>						
Client ID: <b>SB-20</b>	Batch ID: <b>75803</b>	TestNo: <b>SW7471</b>	<b>SW7471A</b>	Analysis Date: <b>6/4/2024</b>	SeqNo: <b>5061626</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.53	0.060	0.48	0.079	95.3	75	125				

Sample ID: <b>24060039-020AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>HG_S(7471B)</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>6/4/2024</b>	RunNo: <b>186803</b>						
Client ID: <b>SB-20</b>	Batch ID: <b>75803</b>	TestNo: <b>SW7471</b>	<b>SW7471A</b>	Analysis Date: <b>6/4/2024</b>	SeqNo: <b>5061627</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.50	0.055	0.44	0.079	94.9	75	125	0.53	6.48	20	

**Qualifiers:**  
E Value above quantitation range  
ND Not Detected  
S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded  
PL Permit Limit  
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area respon  
RL Reporting Detection Limit



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# QC SUMMARY REPORT

WO#: **24060039**  
**06-Jun-24**

**Client:** CT Consultants  
**Project:** 9 Clark Street

**BatchID:** 75805

Sample ID: <b>MB-75805</b>	SampType: <b>MBLK</b>	TestCode: <b>Mtl-ICP_S(60)</b>	Units: <b>mg/Kg</b>	Prep Date: <b>6/4/2024</b>	RunNo: <b>186873</b>						
Client ID: <b>PBS</b>	Batch ID: <b>75805</b>	TestNo: <b>SW6010</b>	<b>SW3050B</b>	Analysis Date: <b>6/6/2024</b>	SeqNo: <b>5064655</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic(As)	ND	2.17									
Barium(Ba)	ND	4.35									
Cadmium(Cd)	ND	0.435									
Chromium(Cr)	ND	2.17									
Lead(Pb)	ND	2.17									
Selenium(Se)	ND	2.17									
Silver(Ag)	ND	1.30									

Sample ID: <b>LCS-75805</b>	SampType: <b>LCS</b>	TestCode: <b>Mtl-ICP_S(60)</b>	Units: <b>mg/Kg</b>	Prep Date: <b>6/4/2024</b>	RunNo: <b>186873</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>75805</b>	TestNo: <b>SW6010</b>	<b>SW3050B</b>	Analysis Date: <b>6/6/2024</b>	SeqNo: <b>5064656</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic(As)	91.9	2.48	99.01	0	92.8	80	120				
Barium(Ba)	101	4.95	99.01	0	102	80	120				
Cadmium(Cd)	92.1	0.495	99.01	0	93.0	80	120				
Chromium(Cr)	99.8	2.48	99.01	0	101	80	120				
Lead(Pb)	96.4	2.48	99.01	0	97.4	80	120				
Selenium(Se)	79.3	2.48	99.01	0	80.1	80	120				
Silver(Ag)	48.2	1.49	49.50	0	97.4	80	120				

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respon
ND	Not Detected	PL	Permit Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		



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# QC SUMMARY REPORT

WO#: **24060039**  
**06-Jun-24**

**Client:** CT Consultants  
**Project:** 9 Clark Street

**BatchID:** 75805

Sample ID: <b>LCS-75805</b>	SampType: <b>LCS</b>	TestCode: <b>Mtl-ICP_S(60)</b>	Units: <b>mg/Kg</b>	Prep Date: <b>6/4/2024</b>	RunNo: <b>186873</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>75805</b>	TestNo: <b>SW6010</b>	<b>SW3050B</b>	Analysis Date: <b>6/6/2024</b>	SeqNo: <b>5064657</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic(As)	7.34	2.48	7.921	0	92.7	80	120				
Barium(Ba)	10.5	4.95	9.901	0	106	80	120				
Cadmium(Cd)	1.96	0.495	1.980	0	98.8	80	120				
Chromium(Cr)	8.32	2.48	7.921	0	105	80	120				
Lead(Pb)	20.1	2.48	19.80	0	102	80	120				
Selenium(Se)	8.15	2.48	9.901	0	82.4	80	120				
Silver(Ag)	1.90	1.49	1.980	0	96.2	80	120				

Sample ID: <b>24060039-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>Mtl-ICP_S(60)</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>6/4/2024</b>	RunNo: <b>186873</b>						
Client ID: <b>SB-01</b>	Batch ID: <b>75805</b>	TestNo: <b>SW6010</b>	<b>SW3050B</b>	Analysis Date: <b>6/6/2024</b>	SeqNo: <b>5064659</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic(As)	129	2.94	117.4	17.97	94.4	75	125				
Barium(Ba)	177	5.87	117.4	58.02	102	75	125				
Cadmium(Cd)	108	0.587	117.4	0.3597	91.3	75	125				
Chromium(Cr)	130	2.94	117.4	11.63	101	75	125				
Lead(Pb)	277	2.94	117.4	174.3	87.8	75	125				
Selenium(Se)	96.3	2.94	117.4	0	82.0	75	125				
Silver(Ag)	58.5	1.76	58.72	0	99.7	75	125				

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respon
ND	Not Detected	PL	Permit Limit	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		



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# QC SUMMARY REPORT

WO#: **24060039**  
**06-Jun-24**

**Client:** CT Consultants  
**Project:** 9 Clark Street

**BatchID:** 75805

Sample ID: <b>24060039-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>Mtl-ICP_S(60)</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>6/4/2024</b>	RunNo: <b>186873</b>						
Client ID: <b>SB-01</b>	Batch ID: <b>75805</b>	TestNo: <b>SW6010</b>	<b>SW3050B</b>	Analysis Date: <b>6/6/2024</b>	SeqNo: <b>5064660</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic(As)	138	3.13	125.3	17.97	96.0	75	125	128.8	7.01	20	
Barium(Ba)	187	6.26	125.3	58.02	103	75	125	177.3	5.50	20	
Cadmium(Cd)	117	0.626	125.3	0.3597	93.2	75	125	107.6	8.38	20	
Chromium(Cr)	140	3.13	125.3	11.63	103	75	125	130.3	7.49	20	
Lead(Pb)	296	3.13	125.3	174.3	96.8	75	125	277.4	6.32	20	
Selenium(Se)	105	3.13	125.3	0	83.8	75	125	96.29	8.65	20	
Silver(Ag)	63.6	1.88	62.63	0	101	75	125	58.52	8.25	20	

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area respon
	ND	Not Detected	PL	Permit Limit	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		



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# QC SUMMARY REPORT

WO#: **24060039**  
**06-Jun-24**

**Client:** CT Consultants  
**Project:** 9 Clark Street

**BatchID:** 75808

Sample ID: <b>MB-75808</b>	SampType: <b>MBLK</b>	TestCode: <b>HG_S(7471B)</b>	Units: <b>mg/Kg</b>	Prep Date: <b>6/4/2024</b>	RunNo: <b>186899</b>						
Client ID: <b>PBS</b>	Batch ID: <b>75808</b>	TestNo: <b>SW7471</b>	<b>SW7471A</b>	Analysis Date: <b>6/5/2024</b>	SeqNo: <b>5063613</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.042									

Sample ID: <b>LCS-75808</b>	SampType: <b>LCS</b>	TestCode: <b>HG_S(7471B)</b>	Units: <b>mg/Kg</b>	Prep Date: <b>6/4/2024</b>	RunNo: <b>186899</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>75808</b>	TestNo: <b>SW7471</b>	<b>SW7471A</b>	Analysis Date: <b>6/5/2024</b>	SeqNo: <b>5063614</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.33	0.042	0.33	0	98.5	80	120				

Sample ID: <b>24060039-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>HG_S(7471B)</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>6/4/2024</b>	RunNo: <b>186899</b>						
Client ID: <b>SB-01</b>	Batch ID: <b>75808</b>	TestNo: <b>SW7471</b>	<b>SW7471A</b>	Analysis Date: <b>6/5/2024</b>	SeqNo: <b>5063616</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.48	0.061	0.49	0.044	89.7	75	125				

Sample ID: <b>24060039-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>HG_S(7471B)</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>6/4/2024</b>	RunNo: <b>186899</b>						
Client ID: <b>SB-01</b>	Batch ID: <b>75808</b>	TestNo: <b>SW7471</b>	<b>SW7471A</b>	Analysis Date: <b>6/5/2024</b>	SeqNo: <b>5063617</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.54	0.060	0.48	0.044	103	75	125	0.48	10.7	20	

**Qualifiers:** E Value above quantitation range H Holding times for preparation or analysis exceeded M Manual Integration used to determine area response  
 ND Not Detected PL Permit Limit RL Reporting Detection Limit  
 S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as specified at testcode



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# QC SUMMARY REPORT

WO#: **24060039**  
**06-Jun-24**

**Client:** CT Consultants  
**Project:** 9 Clark Street

**BatchID:** R186772

Sample ID: <b>MB-R186772</b>	SampType: <b>MBLK</b>	TestCode: <b>PctMoist_S(2</b> Units: %	Prep Date:	RunNo: <b>186772</b>							
Client ID: <b>PBS</b>	Batch ID: <b>R186772</b>	TestNo: <b>A2540B</b>	Analysis Date: <b>6/3/2024</b>	SeqNo: <b>5060948</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	ND	0.100									

Sample ID: <b>24060004-005BDUP</b>	SampType: <b>DUP</b>	TestCode: <b>PctMoist_S(2</b> Units: %	Prep Date:	RunNo: <b>186772</b>							
Client ID: <b>BatchQC</b>	Batch ID: <b>R186772</b>	TestNo: <b>A2540B</b>	Analysis Date: <b>6/3/2024</b>	SeqNo: <b>5060957</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	17.2	0.100						16.59	3.41	5	

Sample ID: <b>24060039-009ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>PctMoist_S(2</b> Units: %	Prep Date:	RunNo: <b>186772</b>							
Client ID: <b>SB-09</b>	Batch ID: <b>R186772</b>	TestNo: <b>A2540B</b>	Analysis Date: <b>6/3/2024</b>	SeqNo: <b>5060967</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	23.1	0.100						23.26	0.808	5	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      M Manual Integration used to determine area respoi  
 ND Not Detected      PL Permit Limit      RL Reporting Detection Limit  
 S Spike Recovery outside accepted recovery limits      W Sample container temperature is out of limit as specified at testcode



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# QC SUMMARY REPORT

WO#: **24060039**  
**06-Jun-24**

**Client:** CT Consultants  
**Project:** 9 Clark Street

**BatchID:** R186870

Sample ID: <b>MB-R186870</b>	SampType: <b>MBLK</b>	TestCode: <b>PctMoist_S(2</b> Units: %	Prep Date:	RunNo: <b>186870</b>							
Client ID: <b>PBS</b>	Batch ID: <b>R186870</b>	TestNo: <b>A2540B</b>	Analysis Date: <b>6/4/2024</b>	SeqNo: <b>5063030</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	ND	0.100									

Sample ID: <b>24060039-017ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>PctMoist_S(2</b> Units: %	Prep Date:	RunNo: <b>186870</b>							
Client ID: <b>SB-17</b>	Batch ID: <b>R186870</b>	TestNo: <b>A2540B</b>	Analysis Date: <b>6/4/2024</b>	SeqNo: <b>5063039</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	21.2	0.100						20.81	1.83	5	

Sample ID: <b>24060096-006ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>PctMoist_S(2</b> Units: %	Prep Date:	RunNo: <b>186870</b>							
Client ID: <b>BatchQC</b>	Batch ID: <b>R186870</b>	TestNo: <b>A2540B</b>	Analysis Date: <b>6/4/2024</b>	SeqNo: <b>5063049</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	39.7	0.100						40.44	1.75	5	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      M Manual Integration used to determine area respoi  
 ND Not Detected      PL Permit Limit      RL Reporting Detection Limit  
 S Spike Recovery outside accepted recovery limits      W Sample container temperature is out of limit as specified at testcode



These commonly used Qualifiers and Acronyms may or may not be present in this report.

**Qualifiers**

- U** The compound was analyzed for but was not detected above the MDL.
- J** The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
- H** The hold time for sample preparation and/or analysis was exceeded. Not Clean Water Act compliant.
- D** The result is reported from a dilution.
- E** The result exceeded the linear range of the calibration or is estimated due to interference.
- MC** The result is below the Minimum Compound Limit.
- \*** The result exceeds the Regulatory Limit or Maximum Contamination Limit.
- m** Manual integration was used to determine the area response.
- d** Manual integration in which peak was deleted
- N** The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
- P** The second column confirmation exceeded 25% difference.
- C** The result has been confirmed by GC/MS.
- X** The result was not confirmed when GC/MS Analysis was performed.
- B** The analyte was detected in the Method Blank at a concentration greater than the RL.
- MB+** The analyte was detected in the Method Blank at a concentration greater than the MDL.
- G** The ICB or CCB contained reportable amounts of analyte.
- QC-/+** The CCV recovery failed low (-) or high (+).
- R/QDR** The RPD was outside of accepted recovery limits.
- QL-/+** The LCS or LCSD recovery failed low (-) or high (+).
- QLR** The LCS/LCSD RPD was outside of accepted recovery limits.
- QM-/+** The MS or MSD recovery failed low (-) or high (+).
- QMR** The MS/MSD RPD was outside of accepted recovery limits.
- QV-/+** The ICV recovery failed low (-) or high (+).
- S** The spike result was outside of accepted recovery limits.
- W** Samples were received outside temperature limits (0° – 6° C). Not Clean Water Act compliant.
- Z** Deviation; A deviation from the method was performed; Please refer to the Case Narrative for additional information

**Acronyms**

- |             |                                     |               |                                      |
|-------------|-------------------------------------|---------------|--------------------------------------|
| <b>ND</b>   | Not Detected                        | <b>RL</b>     | Reporting Limit                      |
| <b>QC</b>   | Quality Control                     | <b>MDL</b>    | Method Detection Limit               |
| <b>MB</b>   | Method Blank                        | <b>LOD</b>    | Level of Detection                   |
| <b>LCS</b>  | Laboratory Control Sample           | <b>LOQ</b>    | Level of Quantitation                |
| <b>LCSD</b> | Laboratory Control Sample Duplicate | <b>PQL</b>    | Practical Quantitation Limit         |
| <b>QCS</b>  | Quality Control Sample              | <b>CRQL</b>   | Contract Required Quantitation Limit |
| <b>DUP</b>  | Duplicate                           | <b>PL</b>     | Permit Limit                         |
| <b>MS</b>   | Matrix Spike                        | <b>RegLvl</b> | Regulatory Limit                     |
| <b>MSD</b>  | Matrix Spike Duplicate              | <b>MCL</b>    | Maximum Contamination Limit          |
| <b>RPD</b>  | Relative Percent Different          | <b>MinCL</b>  | Minimum Compound Limit               |
| <b>ICV</b>  | Initial Calibration Verification    | <b>RA</b>     | Reanalysis                           |
| <b>ICB</b>  | Initial Calibration Blank           | <b>RE</b>     | Reextraction                         |
| <b>CCV</b>  | Continuing Calibration Verification | <b>TIC</b>    | Tentatively Identified Compound      |
| <b>CCB</b>  | Continuing Calibration Blank        | <b>RT</b>     | Retention Time                       |
| <b>RLC</b>  | Reporting Limit Check               | <b>CF</b>     | Calibration Factor                   |

**This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.**



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# DATES REPORT

WO#: **24060039**  
**06-Jun-24**

**Client:** CT Consultants  
**Project:** 9 Clark Street

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
24060039-001A	SB-01	5/30/2024 10:10:00 AM	Solid	Mercury Analysis (7471)		6/4/2024 10:40:00 AM	6/5/2024 10:24:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 8:41:00 AM
				Percent Moisture by SM2540Mod			6/3/2024 4:10:00 PM
24060039-002A	SB-02	5/30/2024 10:20:00 AM		Mercury Analysis (7471)		6/4/2024 10:40:00 AM	6/5/2024 10:32:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 10:29:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 9:01:00 AM
				Percent Moisture by SM2540Mod			6/3/2024 4:10:00 PM
24060039-003A	SB-03	5/30/2024 10:30:00 AM		Mercury Analysis (7471)		6/4/2024 10:40:00 AM	6/5/2024 10:35:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 9:04:00 AM
				Percent Moisture by SM2540Mod			6/3/2024 4:10:00 PM
24060039-004A	SB-04	5/30/2024 10:40:00 AM		Mercury Analysis (7471)		6/4/2024 10:40:00 AM	6/5/2024 10:38:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 9:08:00 AM
				Percent Moisture by SM2540Mod			6/3/2024 4:10:00 PM
24060039-005A	SB-05	5/30/2024 10:45:00 AM		Mercury Analysis (7471)		6/4/2024 10:40:00 AM	6/5/2024 10:40:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 9:11:00 AM
				Percent Moisture by SM2540Mod			6/3/2024 4:10:00 PM
24060039-006A	SB-06	5/30/2024 10:50:00 AM		Mercury Analysis (7471)		6/4/2024 10:40:00 AM	6/5/2024 10:43:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 9:15:00 AM
				Percent Moisture by SM2540Mod			6/3/2024 4:10:00 PM
24060039-007A	SB-07	5/30/2024 11:00:00 AM		Mercury Analysis (7471)		6/4/2024 10:40:00 AM	6/5/2024 10:46:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 9:18:00 AM
				Percent Moisture by SM2540Mod			6/3/2024 4:10:00 PM
24060039-008A	SB-08	5/30/2024 11:05:00 AM		Mercury Analysis (7471)		6/4/2024 10:40:00 AM	6/5/2024 10:49:00 AM

Original



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# DATES REPORT

WO#: **24060039**  
**06-Jun-24**

**Client:** CT Consultants  
**Project:** 9 Clark Street

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
24060039-008A	SB-08	5/30/2024 11:05:00 AM	Solid	Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 9:21:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 10:32:00 AM
				Percent Moisture by SM2540Mod			6/3/2024 4:10:00 PM
24060039-009A	SB-09	5/30/2024 11:15:00 AM		Mercury Analysis (7471)		6/4/2024 10:40:00 AM	6/5/2024 10:51:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 9:25:00 AM
				Percent Moisture by SM2540Mod			6/3/2024 4:10:00 PM
24060039-010A	SB-10	5/30/2024 11:25:00 AM		Mercury Analysis (7471)		6/4/2024 10:40:00 AM	6/5/2024 11:00:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 10:36:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 9:28:00 AM
				Percent Moisture by SM2540Mod			6/4/2024 3:40:00 PM
24060039-011A	SB-11	5/30/2024 11:30:00 AM		Mercury Analysis (7471)		6/4/2024 10:40:00 AM	6/5/2024 11:03:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 9:32:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 10:39:00 AM
				Percent Moisture by SM2540Mod			6/4/2024 3:40:00 PM
24060039-012A	SB-12	5/30/2024 11:40:00 AM		Mercury Analysis (7471)		6/4/2024 10:40:00 AM	6/5/2024 11:05:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 10:42:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 9:45:00 AM
				Percent Moisture by SM2540Mod			6/4/2024 3:40:00 PM
24060039-013A	SB-13	5/30/2024 12:05:00 PM		Mercury Analysis (7471)		6/4/2024 10:40:00 AM	6/5/2024 11:08:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 9:49:00 AM
				Percent Moisture by SM2540Mod			6/4/2024 3:40:00 PM
24060039-014A	SB-14	5/30/2024 12:10:00 PM		Mercury Analysis (7471)		6/4/2024 10:40:00 AM	6/5/2024 11:11:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 9:52:00 AM

Original



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# DATES REPORT

WO#: **24060039**  
**06-Jun-24**

**Client:** CT Consultants  
**Project:** 9 Clark Street

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
24060039-014A	SB-14	5/30/2024 12:10:00 PM	Solid	Percent Moisture by SM2540Mod			6/4/2024 3:40:00 PM
24060039-015A	SB-15	5/30/2024 12:15:00 PM		Mercury Analysis (7471)		6/4/2024 10:40:00 AM	6/5/2024 11:14:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 9:55:00 AM
				Percent Moisture by SM2540Mod			6/4/2024 3:40:00 PM
24060039-016A	SB-16	5/30/2024 12:25:00 PM		Mercury Analysis (7471)		6/4/2024 10:40:00 AM	6/5/2024 11:17:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 9:59:00 AM
				Percent Moisture by SM2540Mod			6/4/2024 3:40:00 PM
24060039-017A	SB-17	5/30/2024 12:45:00 PM		Mercury Analysis (7471)		6/4/2024 10:40:00 AM	6/5/2024 11:19:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 10:02:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 10:46:00 AM
				Percent Moisture by SM2540Mod			6/4/2024 3:40:00 PM
24060039-018A	SB-18	5/30/2024 12:55:00 PM		Mercury Analysis (7471)		6/4/2024 9:50:00 AM	6/4/2024 11:40:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 10:06:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 10:49:00 AM
				Percent Moisture by SM2540Mod			6/4/2024 3:40:00 PM
24060039-019A	SB-19	5/30/2024 1:00:00 PM		Mercury Analysis (7471)		6/4/2024 9:50:00 AM	6/4/2024 11:43:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 10:09:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 10:53:00 AM
				Percent Moisture by SM2540Mod			6/4/2024 3:40:00 PM
24060039-020A	SB-20	5/30/2024		Mercury Analysis (7471)		6/4/2024 9:50:00 AM	6/4/2024 11:46:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 10:56:00 AM
				Metals Analysis (6010D)		6/4/2024 10:35:00 AM	6/6/2024 10:12:00 AM
				Percent Moisture by SM2540Mod			6/4/2024 3:40:00 PM

Original



Analysis Request / Chain of Custody

Refer to Terms and Conditions at www.settek.com

SET WO NO.: **24060039**  
For Summit Environmental Technologies, Inc. use only

Client Name		Project Identification	
Client Street Address		Project Street Address 9 Clark ST	
City	State	Zip	City/State/Zip Conneaut OH 44030
Client Phone		Report To Jonathan Adams	
Contact Person		PO # 241249	Quote Number
Client Email Address		PWS ID	Facility ID
Sampled By (Print Name and Provide Signature) Print: <i>Jon Adams</i> Sign: <i>Jon M. Adams</i>		Reporting/Accreditation Requirements: <input type="checkbox"/> Ohio VAP <input type="checkbox"/> Ohio EPA Pb, Cu <input type="checkbox"/> Drinking Water Compliance <input type="checkbox"/> Other Compliance (List State/ Program):	
For DW only, results to be reported to state by lab? If yes, lab fee may apply: <input type="checkbox"/> Y <input type="checkbox"/> N			

#	Sample Point ID	Sample Identification	Date Collected	Time Collected	Grab Sample	Composite Sample	Matrix: S = Solid, SL = Sludge, L = Liquid, O = Oil, A = Air, NPW = Non-Potable Water, DW = Drinking Water	Preservation: 1) HNO3; 2) H2SO4; 3) HCl; 4) Zinc Acetate; 5) NaOH; 6) EDA; 7) none; 8) other (specify in comments)	Number of Containers per Sample	Analytical Parameters and Methods Requested	For DW Only: Special Compliance or Routine (S/R)
	SB-01		05/30	1010	X		S	7	2	RCRA 8 Metals	
	SB-02			1020	X						
	SB-03			1030	X						
	SB-04			1040	X						
	SB-05			1045	X						
	SB-06			1050	X						
	SB-07			1100	X						
	SB-08			1105	X						
	SB-09			1115	X						
	SB-10			1125	X						

Relinquished by:	Date	Time	Received by:	Date	Time	Notes / Comments:
<i>Jon M. Adams</i>	05/31/24	0815	<i>DAVID YOUNG</i>	5/31/24	0816	
<i>DAVID YOUNG</i>	5/31/24	0925				

Received at Summit by:		Date	Time	Carrier	Rush Requested: <input type="checkbox"/> YES <input type="checkbox"/> NO Must be approved by Lab Manager	Received Temp.: 1.6 °C	Cooler Seals? <input type="checkbox"/> PRESENT <input type="checkbox"/> NOT PRESENT <input checked="" type="checkbox"/> N/A	Sufficient volume provided to run QC? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Cooler? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Ice Present? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> MELTED
<i>[Signature]</i>		5/31/24	0925	SET						

1.6-0.0=



**Analysis Request / Chain of Custody**

Refer to Terms and Conditions at [www.settek.com](http://www.settek.com)

SET WO NO.:	For Summit Environmental Technologies, Inc. use only
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Client Name		Project Identification		Grab Sample Composite Sample Matrix: S = Solid, SL = Sludge, L = Liquid, O = Oil, A = Air, NPW = Non-Potable Water, DW = Drinking Water Preservation: 1) HNO3; 2) H2SO4; 3) HCl; 4) Zinc Acetate; 5) NaOH; 6) EDA; 7) none; 8) other (specify in comments)	<b>Analytical Parameters and Methods Requested</b>														
Client Street Address		Project Street Address										RCRA 8 Metals							
City	State	Zip	City		State	Zip	Report To		PO #		Quote Number								
Client Phone		Contact Person			PWS ID		Facility ID												Reporting/Accreditation Requirements:
Client Email Address		Sampled By (Print Name and Provide Signature)			<input type="checkbox"/> Ohio VAP <input type="checkbox"/> Ohio EPA Pb, Cu <input type="checkbox"/> Drinking Water Compliance <input type="checkbox"/> Other Compliance (List State/ Program):		For DW only, results to be reported to state by lab? If yes, lab fee may apply: <input type="checkbox"/> Y <input type="checkbox"/> N												
Print: Jon Adams		Sign: Jon M. Adams																	

#	Sample Point ID	Sample Identification	Date Collected	Time Collected	Grab Sample	Composite Sample	Matrix	Preservation	Number of Containers per Sample	For DW Only: Special Compliance or Routine (S/R)	
	SB-11		05/30	1130	X		S	7	1	X	
	SB-12			1140	X					X	
	SB-13			1205	X					X	
	SB-14			1210	X					X	
	SB-15			1215	X					X	
	SB-16			1225	X					X	
	SB-17			1245	X					X	
	SB-18			1255	X					X	
	SB-19			1300	X					X	
	SB-20				X					X	

Relinquished by:	Date	Time	Received by:	Date	Time	Notes / Comments:
Jon M. Adams	05/31/24	0815	David Yon	5/31/24	0815	
David Yon	5/31/24	0925				

Received at Summit by:	Date	Time	Carrier	Rush Requested: _____ Day(s) Must be approved by Lab Manager	Received Temp.: _____ °C	Sufficient volume provided to run QC? <input type="checkbox"/> YES <input type="checkbox"/> NO	Cooler? <input type="checkbox"/> YES <input type="checkbox"/> NO
						Cooler Seals? <input type="checkbox"/> PRESENT <input type="checkbox"/> NOT PRESENT <input type="checkbox"/> N/A	Ice Present? <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> MELTED



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# Sample Log-In Check List

Client Name: CTC-OH-44060      Work Order Number: 24060039      RcptNo: 1

Logged by:	Christina N. Gemma	5/31/2024 9:25:00 AM	
Completed By:	Christina N. Gemma	6/3/2024 10:46:31 AM	
Reviewed By:	Holly Florea	6/4/2024 7:16:57 AM	

**Chain of Custody**

1. Is Chain of Custody complete?      Yes       No       Not Present
2. How was the sample delivered?      Summit

**Log In**

3. Coolers are present?      Yes       No       NA
4. Shipping container/cooler in good condition?      Yes       No
- Custody seals intact on shipping container/cooler?      Yes       No       Not Present
- No.      Seal Date:      Signed By:
5. Was an attempt made to cool the samples?      Yes       No       NA
6. Were all samples received at a temperature of >0° C to 6.0°C      Yes       No       NA
7. Sample(s) in proper container(s)?      Yes       No
8. Sufficient sample volume for indicated test(s)?      Yes       No
9. Are samples (except VOA and ONG) properly preserved?      Yes       No
10. Was preservative added to bottles?      Yes       No       NA
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm?      Yes       No       No VOA Vials
12. Were any sample containers received broken?      Yes       No
13. Does paperwork match bottle labels?      Yes       No
- (Note discrepancies on chain of custody)
14. Are matrices correctly identified on Chain of Custody?      Yes       No
15. Is it clear what analyses were requested?      Yes       No
16. Were all holding times able to be met?      Yes       No
- (If no, notify customer for authorization.)

**Special Handling (if applicable)**

17. Was client notified of all discrepancies with this order?      Yes       No       NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks:  
 Client information not recorded on COC.

**Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.6	Good	Not Present			