



January 4, 2024

To: Benjamin McPherson (NYSDEC), Angela Martin (NYSDOH)  
From: John Black, P.E.  
CC: John Yensan, Dan Flanigan, James Edwards, Roxanne Birx, Peter Zaffram, Corey Bryerton  
RE: Source Area Solidification Addendum  
Interim Remedial Measure Work Plan  
Tar Management Area Solidification  
Riverview Innovation & Technology Campus  
Brownfield Cleanup Program Site No. C915353  
3875 River Road  
Town of Tonawanda, New York 14150

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## Introduction

On behalf of Riverview Innovation & Technology Campus, Inc (RITC), Inventum Engineering, P.C. (Inventum) prepared a Source Area Solidification Interim Remedial Measures (Solidification IRM) Work Plan for the RITC Brownfield Cleanup Program Site (BCP Site) located at 3875 River Road in Tonawanda, Erie County, New York.

The Solidification IRM was prepared to eliminate, or at least mitigate, sources of impact to the shallow groundwater and to surface water conveyance systems on the BCP Site and to collect detailed remedial design data on the volume and stability of the residuals in target areas within the former production area (AOI2) and Tar Seep No. 2. At the time that the Solidification IRM Work Plan was prepared, Inventum had yet to identify a solidification mixture that was effective for the bench-scale samples from the Tar Management Area.

Additional testing conducted October 6, 2023, identified five reagent addition mixtures (Table 1, Appendix A) that successfully eliminated the characteristics of toxicity in the bench-scale samples:

- 10 percent Lime Kiln Dust, 15 percent Breeze
- 15 percent Lime Kiln Dust, 15 percent Breeze
- 20 percent Lime Kiln Dust, 15 percent Breeze
- 15 percent Lime Kiln Dust, 15 percent Sawdust
- 15 percent Lime Kiln Dust, no absorbent

Absent media to absorb the constituents of concern, the bench scale trial performed with only Lime Kiln Dust (LKD) had the highest residual leachable benzene (0.319 mg/L vs  $\leq 0.179$  mg/L). The mixtures with 15 percent LKD and 15 percent breeze, 20 percent LKD and 15 percent breeze, and 15 percent LKD and 15 percent sawdust had the greatest reductions of leachable benzene and ammonia.

Percent reduction of Benzene and Ammonia from baseline concentrations.

Analyte	10% LKD, 15% Breeze	15% LKD, 15% Breeze	20% LKD, 15% Breeze	15% LKD, 15% Sawdust	15% LKD, 0% Breeze
Benzene	92	64	90	88	36
Ammonia	96	94	98	98	92

Cyanide was detected at 2.7 mg/kg in the baseline sample. In the eight bench scale trials conducted, cyanide was typically detected between 28 mg/kg to 53 mg/kg. Cyanide was detected at 7.9 mg/kg in the 20 percent LKD and 15 percent breeze mix and 8.9 mg/kg in the 15 percent and 15 percent LKD and 15 percent sawdust mix (Table 1). The baseline concentration may be lower than the average concentrations in the Tar Management area. While cyanide was not reduced below 2.7 mg/kg in the bench scale trials, the 20 percent LKD and 15 percent breeze mix resulted in the lowest cyanide concentration among the bench scale trials.

Rather than introduce a biodegradable substance (sawdust), the proposed starting mixture is 20 percent LKD and 15 percent breeze based on the reduction of the leachable concentrations of benzene, and ammonia and the lowest total concentration of cyanide.

## Solidification

Bench-scale solidification testing was conducted in accordance with the protocols outlined in the Pre-Design Investigation Work Plan (PDIWP, Inventum 2023) with the exception of the alternative addition rates. The proposed mixture for Tar Management Area is 20 percent LKD and 15 percent breeze. The solidification will be conducted in accordance with the approved Source Area Solidification Interim Remedial Measure Work Plan (Inventum 2023).

The subsurface conditions observed in the Tar Management Area during concrete foundation removal were highly variable. Grossly contaminated material (GCM) was not always present nor was it homogeneously distributed throughout the fill. GCM was observed at varying depths from surface to approximately 4- to- 6- feet below ground surface (BGS). Bench scale sample material was the most heavily impacted fill identified below the Tar Management Area. If field conditions in a cell are observed to have GCM at an extent much less than the bench-scale samples, a lower mix ratio of LKD and Breeze may be used. This practice was successfully implemented in three cells in the Pump House Area. Additional verification sampling shall be performed and is described in the Verification Sampling section below.

## Quantification

The confirmation and verification testing conducted during the IRM will demonstrate that the entire Tar Management Area impacts are addressed and that the resulting mass, using the defined mixtures of LKD and breeze, does not leach above the target standards in accordance with the TCLP testing. The beneficial contribution of the breeze is both in reducing the total VOCs, cyanide, and ammonia and providing a long-term source of carbon that will reduce the mobility of these constituents to the groundwater system.

## Confirmation Sampling

In anticipation of Tar Management Area solidification, confirmation samples were collected along the northern and southern boundaries of the Tar Management Area to confirm the observations of the limits



of suspect impacted materials (Figure 1, Attachment B). The eastern boundary was solidified as part of the Pump House Area and the western boundary is being solidified as part of the Exhauster Building Area. The samples were collected at the approximate depth of the observed pre-solidification GCM; viscous tar or non-aqueous phase liquid (NAPL). Observations of GCM were recorded in a field notebook. All four confirmation samples were analyzed for TCLP 1311 including VOCs, SVOCs, Metals, Pesticides, and Herbicides, in accordance with the approved Solidification Workplan (Section 2.2).

Two confirmation samples were collected on November 7, 2023, near the northern boundary of Tar Management. Both samples were collected at a depth of 30- to 42-inches BGS. The initial sampling test pit produced a low odor similar to petroleum, sheen was observed in the groundwater, and a NAPL seep was observed at approximately 3.5 feet BGS. The test pit was extended 3-feet north until no mobile NAPL was observed and the confirmation sample (C7<sup>1</sup>) was collected at the northern boundary of Cell B42. The second confirmation sample (C8) was collected approximately 60-feet west at the northern boundary of Cell B38. No NAPL was observed in the test pit.

The remaining two confirmation samples were collected November 8, 2023, near the southern boundary of Tar Management. The initial test pit at the proposed southern limit contained GCM tar-like residuals throughout the fill to the top of clay at 36-inches BGS. The test pit was extended south approximately 10-feet until unimpacted fill was observed. Confirmation sample (C20) was collected from 18- to 30- inches BGS in Cell H40. The same subsurface conditions were observed in the second test pit on the southern boundary. The test pit was also extended approximately 10-feet south and the confirmation sample (C21) was collected from 18- to 24- inches BGS in Cell H42.

None of the four samples were characteristically hazardous for benzene, or any other constituents analyzed in the TCLP procedure.

### Verification Sampling

During the solidification, verification samples will be collected to verify the blending of the reagents throughout the mass. Based on an average depth of 4.5-feet BGS, it is anticipated that eight (8) samples will be collected from the Tar Management Area. Procedures for sample collection and unconfined compression strength field testing will be completed in accordance with the approved Solidification Workplan, Section 2.2. Each sample will be analyzed for TCLP, Ammonia, Cyanide, and Mercury. Should an area of less GCM be treated with a lower reagent application rate, an additional verification sample shall be collected and tested for the full verification suite.

If the top of clay is observed to be greater than 4.5-feet BGS, reagent addition rates will be calculated based off the measured depth. A verification sample will be collected for every 500 tons of material solidified (Solidification Workplan, Section 2.2).

The following observations will be made throughout the solidification process, in addition to the verification sampling.

- Visible NAPL is noted in the blended materials after mixing,

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<sup>1</sup> The naming convention of C1, C2, etc. for Confirmation Samples and V1, V2, etc. for Verification samples was selected for ease of tracking between field notes (Inventum Engineering) and GPS points (OSC). These labels are not intended to correspond to the ISS Grid.



- Visible NAPL is noted on the equipment or in the equipment decontamination water,
- Unconfined compressive strength of any solidified materials below 50 psi, and
- Large sections (> 1 cubic foot [cf]) of unmixed material.

If any are observed, the NYSDEC will be notified and modifications to the mixing protocols will be mutually agreed to.

## Survey

In accordance with the approved work plan, the limits of the stabilized materials and all sample locations will be documented using the onsite GPS equipment. The following measurements (location and elevation) will be documented for each of the areas stabilized:

- Top of clay will be determined, prior to stabilization, at all perimeter sample locations and at no less than one per 400 square feet (SF) of base area to allow determination of addition rates;
- Perimeter confirmation sample locations;
- Verification sample locations; and
- Stabilized surface elevations.



Attachment A - Table 1





Table 1  
 Bench Scale Testing - Tar Management Area  
 Riverview Innovation Technology Campus, Inc.  
 Tonawanda, New York

ANALYTE	SAMPLE ID:		SS-BCP-24-07182023	SS-BCP-24-02-07182023	SS-BCP-24-04-07182023	SS-BCP-24-06-07182023	SS-BCP-24-07-10042023	SS-BCP-24-08-10042023	SS-BCP-24-09-10042023	SS-BCP-24-10-10042023	SS-BCP-24-11-10042023	
	LAB REPORT:		L2341132	L2341132	L2341132, 233456	L2341132	L2359212-09	L2359212-08, 234916	L2359212-07	L2359212-06	L2359212-05, 234916	
	COLLECTION DATE:		7/18/2023	7/18/2023	7/18/2023	7/18/2023	10/6/2023	10/6/2023	10/6/2023	10/6/2023	10/6/2023	
	DESCRIPTION:		Tar Management Area Baseline	Tar Management Area 10% Portland, 10% Breeze	Tar Management Area 5% LKD, 5% Breeze	Tar Management Area 15% LKD, 10% Breeze	Tar Management Area 10% LKD, 15% Breeze	Tar Management Area 15% LKD, 15% Breeze	Tar Management Area 20% LKD, 15% Breeze	Tar Management Area 15% LKD, 15% Sawdust	Tar Management Area 15% LKD, 0% Breeze	
		EPA-TCLP (mg/l)	NY Part 375 Class GA Standards (mg/L)	TAR MANAGEMENT AREA - BELOW SECONDARY CONTAINMENT								
<b>VOLATILE ORGANICS 8260D</b>												
Benzene (mg/kg)	-		120	NS	NS	NS	NS	NS	NS	NS	NS	
<b>TCLP VOLATILES BY EPA 1311</b>												
1,1-Dichloroethene	0.7	0.005	<0.0017	U	<0.0017	U	<0.0200	U	<0.0017	U	<0.0200	U
1,2-Dichloroethane	0.5	0.005	<0.0013	U	<0.0013	U	<0.0200	U	<0.0013	U	<0.0200	U
1,4-Dichlorobenzene	7.5	0.003	<0.0019	U	<0.0019	U	NS		<0.0019	U	<0.0019	U
2-Butanone	200	-	<0.019	U	<0.019	U	<0.100	U	<0.019	U	<0.100	U
Benzene	0.5	0.001	0.500		0.660		1.070		1.3		0.042	
Carbon tetrachloride	0.5	0.005	<0.0013	U	<0.0013	U	<0.0200	U	<0.0013	U	<0.0200	U
Chlorobenzene	100	0.005	<0.0018	U	<0.0018	U	<0.0200	U	<0.0018	U	<0.0200	U
Chloroform	6	0.007	<0.0022	U	<0.0022	U	<0.0200	U	<0.0022	U	<0.0200	U
Tetrachloroethene	0.7	0.005	<0.0018	U	<0.0018	U	<0.0200	U	<0.0018	U	<0.0200	U
Trichloroethene	0.5	0.005	<0.0018	U	<0.0018	U	<0.0200	U	<0.0018	U	<0.0200	U
Vinyl chloride	0.2	0.002	<0.00071	U	<0.00071	U	<0.0200	U	<0.00071	U	<0.0200	U
<b>TCLP SEMIVOLATILES BY EPA 1311</b>												
2,4,5-Trichlorophenol	400	-	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2,4,6-Trichlorophenol	2	-	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U
2,4-Dinitrotoluene	0.13	0.005	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2-Methylphenol	200	-	2.900		2.300		3.500		3.900		1.8	
3-Methylphenol/4-Methylphenol	200	-	7.000		5.900		8.500		9.000		4.2	
Hexachlorobenzene	0.13	0.00004	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U
Hexachlorobutadiene	0.5	0.0005	<0.0030	U	<0.0030	U	<0.0030	U	<0.0030	U	<0.0030	U
Hexachloroethane	3	0.005	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U
Nitrobenzene	2	0.0004	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U
Pentachlorophenol	100	0.001	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U
Pyridine	5	-	0.0078	J	<0.0045	U	<0.0045	U	<0.0045	U	<0.0045	U
<b>TCLP HERBICIDES BY EPA 1311</b>												
2,4,5-TP (Silvex)	1	0.00026	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U
2,4-D	10	0.050	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U
<b>TCLP PESTICIDES BY EPA 1311</b>												
Chlordane	0.03	0.00005	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U
Endrin	0.02	-	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U
Heptachlor	0.008	0.00004	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U
Heptachlor epoxide	0.008	0.00003	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U
Lindane	0.4	0.00005	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U
Methoxychlor	10	0.035	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U
Toxaphene	0.5	0.00006	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U
<b>TCLP METALS BY EPA 1311</b>												
Arsenic	5	0.025	0.0290	J	<0.0190	U	0.0350	J	<0.0190	U	<0.0190	U
Barium	100	1	0.479	J	0.267	J	0.182	J	0.146	J	0.274	J
Cadmium	1	0.005	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U
Chromium	5	0.050	<0.0210	U	<0.0210	U	<0.0210	U	<0.0210	U	<0.0210	U
Lead	5	0.025	0.0632	J	<0.0270	U	<0.0270	U	<0.0270	U	<0.0270	U
Mercury	0.2	0.0007	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U
Selenium	1	0.010	<0.0350	U	<0.0350	U	<0.0350	U	<0.0350	U	<0.0350	U
Silver	5	0.05	<0.0280	U	<0.0280	U	<0.0280	U	<0.0280	U	<0.0280	U



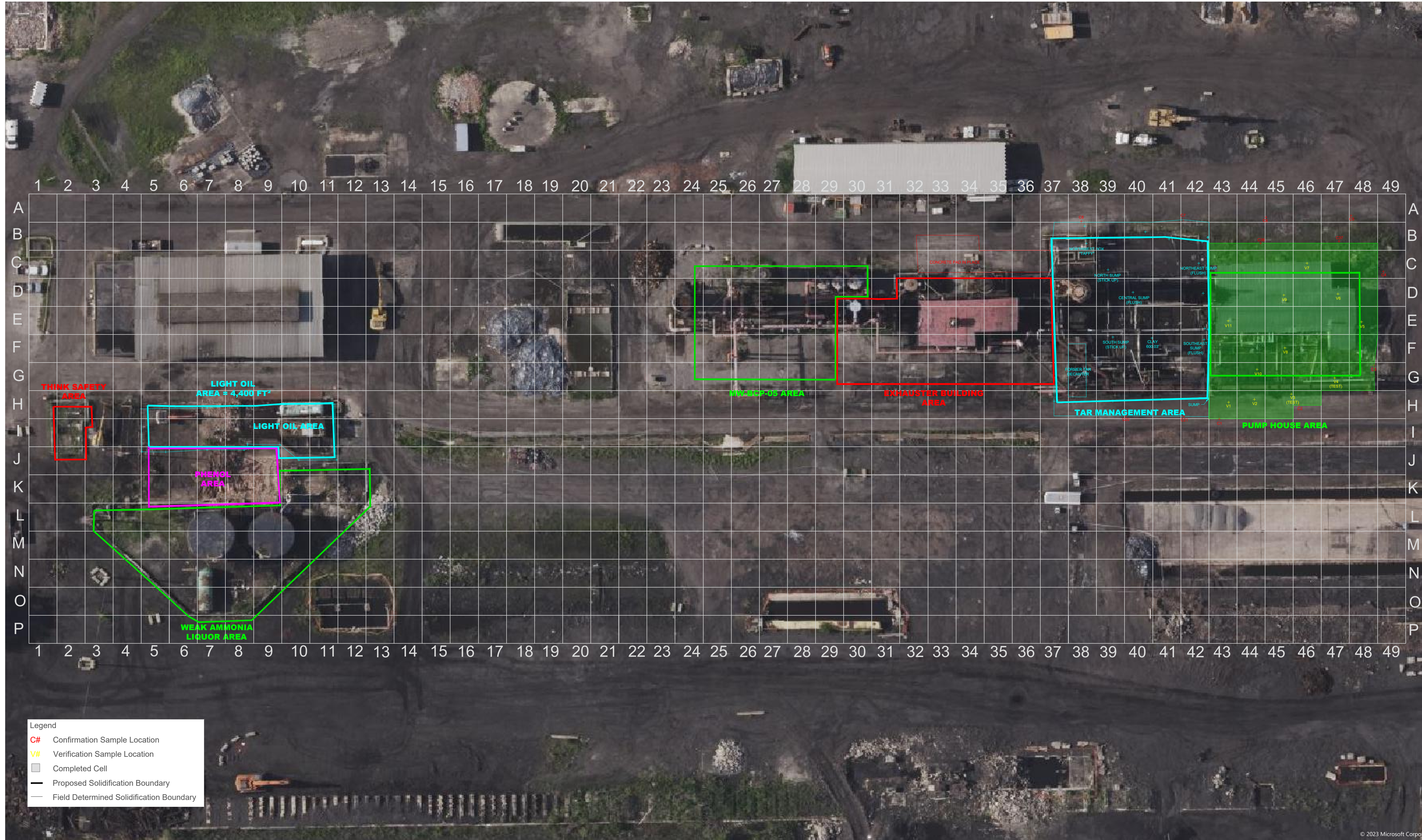
Table 1  
 Bench Scale Testing - Tar Management Area  
 Riverview Innovation Technology Campus, Inc.  
 Tonawanda, New York

ANALYTE	SAMPLE ID:		SS-BCP-24-07182023	SS-BCP-24-02-07182023	SS-BCP-24-04-07182023	SS-BCP-24-06-07182023	SS-BCP-24-07-10042023	SS-BCP-24-08-10042023	SS-BCP-24-09-10042023	SS-BCP-24-10-10042023	SS-BCP-24-11-10042023									
	LAB REPORT:		L2341132	L2341132	L2341132, 233456	L2341132	L2359212-09	L2359212-08, 234916	L2359212-07	L2359212-06	L2359212-05, 234916									
	COLLECTION DATE:		7/18/2023	7/18/2023	7/18/2023	7/18/2023	10/6/2023	10/6/2023	10/6/2023	10/6/2023	10/6/2023									
	DESCRIPTION:		Tar Management Area Baseline	Tar Management Area 10% Portland, 10% Breeze	Tar Management Area 5% LKD, 5% Breeze	Tar Management Area 15% LKD, 10% Breeze	Tar Management Area 10% LKD, 15% Breeze	Tar Management Area 15% LKD, 15% Breeze	Tar Management Area 20% LKD, 15% Breeze	Tar Management Area 15% LKD, 15% Sawdust	Tar Management Area 15% LKD, 0% Breeze									
EPA-TCLP (mg/l)		NY Part 375 Class GA Standards (mg/L)	TAR MANAGEMENT AREA - BELOW SECONDARY CONTAINMENT																	
<b>GENERAL CHEMISTRY</b>																				
Cyanide, Reactive (mg/kg)	-	-	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
pH (H) (S.U)	-	-	<b>8.42</b>		<b>11.5</b>		<b>11.5</b>		<b>11.8</b>		<b>12.2</b>		<b>12</b>		<b>12.4</b>		<b>12.4</b>		<b>12</b>	
Sulfide, Reactive (mg/kg)	-	-	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Cyanide, Total (mg/kg)	-	-	<b>2.7</b>		<b>29</b>		<b>53</b>		<b>25</b>		<b>30</b>		<b>31</b>		<b>7.9</b>		<b>8.9</b>		<b>28</b>	
Ammonia as Nitrogen (mg/kg)	-	-	<b>920</b>		<b>9.9</b>		<b>150</b>		<b>20</b>		<b>39</b>		<b>51</b>		<b>22</b>		<b>23</b>		<b>73</b>	
<b>IGNITABILITY OF SOLIDS</b>																				
Ignitability (mm/sec)	-	-	NI		NI		NI		NI		NI		NI		NI		NI		NI	
* Comparison is not performed on parameters with non-numeric criteria.																				
EPA-TCLP: EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria per 40CFR Part 261 as of September 10, 2015.																				
<b>Qualifiers:</b>																				
I - The lower value for the two columns has been reported due to obvious interference.																				
P - The RPD between the results for the two columns exceeds the method-specified criteria.																				
U - Not detected at the reported detection limit for the sample.																				
NJ - Presumptive evidence of compound.																				
NI - Not Ignitable																				
<b>Bold</b> - Compound is detected																				
Yellow Highlight - Exceeds Class GA Groundwater Standards																				
Red Highligh - Exceeds EPA TCLP Standards																				

Attachment B – Figure 1, ISS Grid







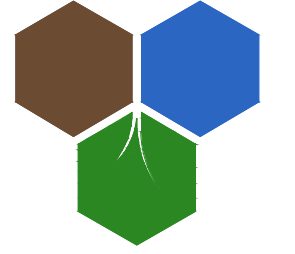
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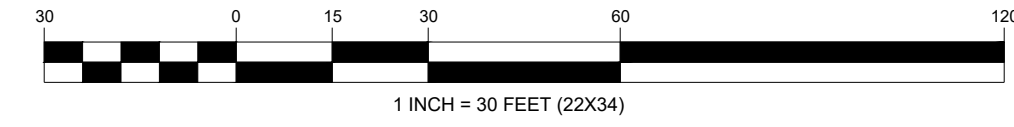
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**FIGURE 1**  
 DRAWING NUMBER  
 TAR MANAGEMENT ADDENDUM

D



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## Attachment C - Laboratory Report





## ANALYTICAL REPORT

Lab Number:	L2341132
Client:	Inventum Engineering 441 Carlisle Drive Suite C Herndon, NY 20170
ATTN:	John Black
Phone:	(571) 752-6562
Project Name:	RITC
Project Number:	PD1WP BENCH SCALES
Report Date:	08/10/23

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2341132-01	SS-BCP-21-07182023	SOIL	3875 RIVER ROAD, TONAWANDA	07/18/23 11:55	07/18/23
L2341132-02	SS-BCP-22-07182023	SOIL	3875 RIVER ROAD, TONAWANDA	07/18/23 11:15	07/18/23
L2341132-03	SS-BCP-23-07182023	SOIL	3875 RIVER ROAD, TONAWANDA	07/18/23 12:00	07/18/23
L2341132-04	SS-BCP-24-07182023	SOIL	3875 RIVER ROAD, TONAWANDA	07/18/23 11:35	07/18/23
L2341132-05	SS-BCP-25-07182023	SOIL	3875 RIVER ROAD, TONAWANDA	07/18/23 14:00	07/18/23
L2341132-06	SS-BCP-21-02-07182023	SOIL	3875 RIVER ROAD, TONAWANDA	07/18/23 14:45	07/18/23
L2341132-07	SS-BCP-21-04-07182023	SOIL	3875 RIVER ROAD, TONAWANDA	07/18/23 14:50	07/18/23
L2341132-08	SS-BCP-21-06-07182023	SOIL	3875 RIVER ROAD, TONAWANDA	07/18/23 14:55	07/18/23
L2341132-09	SS-BCP-22-02-07182023	SOIL	3875 RIVER ROAD, TONAWANDA	07/18/23 15:00	07/18/23
L2341132-10	SS-BCP-22-04-07182023	SOIL	3875 RIVER ROAD, TONAWANDA	07/18/23 15:02	07/18/23
L2341132-11	SS-BCP-22-06-07182023	SOIL	3875 RIVER ROAD, TONAWANDA	07/18/23 15:06	07/18/23
L2341132-12	SS-BCP-23-02-07182023	SOIL	3875 RIVER ROAD, TONAWANDA	07/18/23 15:39	07/18/23
L2341132-13	SS-BCP-23-04-07182023	SOIL	3875 RIVER ROAD, TONAWANDA	07/18/23 15:41	07/18/23
L2341132-14	SS-BCP-23-06-07182023	SOIL	3875 RIVER ROAD, TONAWANDA	07/18/23 15:44	07/18/23
L2341132-15	SS-BCP-24-02-07182023	SOIL	3875 RIVER ROAD, TONAWANDA	07/18/23 15:35	07/18/23
L2341132-16	SS-BCP-24-04-07182023	SOIL	3875 RIVER ROAD, TONAWANDA	07/18/23 15:38	07/18/23
L2341132-17	SS-BCP-24-06-07182023	SOIL	3875 RIVER ROAD, TONAWANDA	07/18/23 15:40	07/18/23

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

### Case Narrative

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

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

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

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

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

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

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**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

### Case Narrative (continued)

#### Report Submission

August 10, 2023: This final report includes the results of all requested analyses.

August 03, 2023: This is a preliminary report.

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

#### Sample Receipt

L2341132-05, -10, -11, and -16: Due to the sample matrix, the analysis of Volatile Organics was performed instead of TCLP Volatiles.

#### Volatile Organics

L2341132-01 through -05: Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

L2341132-02D through -05D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

#### Semivolatile Organics

L2341132-01D through -05D: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%) and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

L2341132-02D, -03D, and -05D: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

#### TCLP Semivolatiles

L2341132-05D: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**Case Narrative (continued)**

d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%) and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

**Total Metals**

L2341132-01 through -05: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

**Cyanide, Total**

The WG1809606-2 LCS recovery for cyanide, total (72%), associated with L2341132-01 through -05, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature:  Tiffani Morrissey

Title: Technical Director/Representative

Date: 08/10/23

# ORGANICS



# VOLATILES

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-01  
 Client ID: SS-BCP-21-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:55  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 07/27/23 10:45  
 Analyst: MCM  
 Percent Solids: 74%  
 TCLP/SPLP Ext. Date: 07/26/23 10:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Volatiles by EPA 1311 - Westborough Lab</b>						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	1600		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	2.2	J	ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	87		70-130
dibromofluoromethane	111		70-130

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-01  
 Client ID: SS-BCP-21-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:55  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 08/01/23 11:37  
 Analyst: AJK  
 Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	380	180	1
1,1-Dichloroethane	ND		ug/kg	76	11.	1
Chloroform	ND		ug/kg	110	11.	1
Carbon tetrachloride	ND		ug/kg	76	18.	1
1,2-Dichloropropane	ND		ug/kg	76	9.6	1
Dibromochloromethane	ND		ug/kg	76	11.	1
1,1,2-Trichloroethane	ND		ug/kg	76	20.	1
Tetrachloroethene	68		ug/kg	38	15.	1
Chlorobenzene	ND		ug/kg	38	9.7	1
Trichlorofluoromethane	ND		ug/kg	300	53.	1
1,2-Dichloroethane	ND		ug/kg	76	20.	1
1,1,1-Trichloroethane	ND		ug/kg	38	13.	1
Bromodichloromethane	ND		ug/kg	38	8.3	1
trans-1,3-Dichloropropene	ND		ug/kg	76	21.	1
cis-1,3-Dichloropropene	ND		ug/kg	38	12.	1
Bromoform	ND		ug/kg	300	19.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	38	13.	1
Benzene	95000	E	ug/kg	38	13.	1
Toluene	13000		ug/kg	76	42.	1
Ethylbenzene	14000		ug/kg	76	11.	1
Chloromethane	ND		ug/kg	300	71.	1
Bromomethane	ND		ug/kg	150	44.	1
Vinyl chloride	ND		ug/kg	76	26.	1
Chloroethane	ND		ug/kg	150	34.	1
1,1-Dichloroethene	ND		ug/kg	76	18.	1
trans-1,2-Dichloroethene	ND		ug/kg	110	10.	1
Trichloroethene	ND		ug/kg	38	10.	1
1,2-Dichlorobenzene	ND		ug/kg	150	11.	1

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-01  
 Client ID: SS-BCP-21-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:55  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/kg	150	11.	1
1,4-Dichlorobenzene	ND		ug/kg	150	13.	1
Methyl tert butyl ether	ND		ug/kg	150	15.	1
p/m-Xylene	22000		ug/kg	150	43.	1
o-Xylene	4800		ug/kg	76	22.	1
cis-1,2-Dichloroethene	ND		ug/kg	76	13.	1
Styrene	2000		ug/kg	76	15.	1
Dichlorodifluoromethane	ND		ug/kg	760	70.	1
Acetone	ND		ug/kg	760	370	1
Carbon disulfide	ND		ug/kg	760	350	1
2-Butanone	ND		ug/kg	760	170	1
4-Methyl-2-pentanone	ND		ug/kg	760	98.	1
2-Hexanone	ND		ug/kg	760	90.	1
Bromochloromethane	ND		ug/kg	150	16.	1
1,2-Dibromoethane	ND		ug/kg	76	21.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	230	76.	1
Isopropylbenzene	620		ug/kg	76	8.3	1
1,2,3-Trichlorobenzene	ND		ug/kg	150	25.	1
1,2,4-Trichlorobenzene	ND		ug/kg	150	21.	1
Methyl Acetate	190	J	ug/kg	300	73.	1
Cyclohexane	74	J	ug/kg	760	42.	1
1,4-Dioxane	ND		ug/kg	6100	2700	1
Freon-113	ND		ug/kg	300	53.	1
Methyl cyclohexane	190	J	ug/kg	300	46.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	113		70-130

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-01 D  
 Client ID: SS-BCP-21-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:55  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 07/29/23 03:30  
 Analyst: AJK  
 Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Benzene	71000		ug/kg	760	250	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	102		70-130

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-02  
 Client ID: SS-BCP-22-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:15  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 07/27/23 11:08  
 Analyst: MCM  
 Percent Solids: 78%  
 TCLP/SPLP Ext. Date: 07/26/23 10:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Volatiles by EPA 1311 - Westborough Lab</b>						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	200		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	86		70-130
dibromofluoromethane	118		70-130

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-02 D  
 Client ID: SS-BCP-22-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:15  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 08/01/23 11:58  
 Analyst: AJK  
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	3700	1700	10
1,1-Dichloroethane	ND		ug/kg	740	110	10
Chloroform	ND		ug/kg	1100	100	10
Carbon tetrachloride	ND		ug/kg	740	170	10
1,2-Dichloropropane	ND		ug/kg	740	92.	10
Dibromochloromethane	ND		ug/kg	740	100	10
1,1,2-Trichloroethane	ND		ug/kg	740	200	10
Tetrachloroethene	ND		ug/kg	370	140	10
Chlorobenzene	ND		ug/kg	370	94.	10
Trichlorofluoromethane	ND		ug/kg	3000	510	10
1,2-Dichloroethane	ND		ug/kg	740	190	10
1,1,1-Trichloroethane	ND		ug/kg	370	120	10
Bromodichloromethane	ND		ug/kg	370	81.	10
trans-1,3-Dichloropropene	ND		ug/kg	740	200	10
cis-1,3-Dichloropropene	ND		ug/kg	370	120	10
Bromoform	ND		ug/kg	3000	180	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	370	120	10
Benzene	17000		ug/kg	370	120	10
Toluene	17000		ug/kg	740	400	10
Ethylbenzene	1700		ug/kg	740	100	10
Chloromethane	ND		ug/kg	3000	690	10
Bromomethane	ND		ug/kg	1500	430	10
Vinyl chloride	ND		ug/kg	740	250	10
Chloroethane	ND		ug/kg	1500	330	10
1,1-Dichloroethene	ND		ug/kg	740	180	10
trans-1,2-Dichloroethene	ND		ug/kg	1100	100	10
Trichloroethene	ND		ug/kg	370	100	10
1,2-Dichlorobenzene	ND		ug/kg	1500	110	10

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-02 D  
 Client ID: SS-BCP-22-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:15  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/kg	1500	110	10
1,4-Dichlorobenzene	ND		ug/kg	1500	130	10
Methyl tert butyl ether	ND		ug/kg	1500	150	10
p/m-Xylene	25000		ug/kg	1500	410	10
o-Xylene	6100		ug/kg	740	220	10
cis-1,2-Dichloroethene	ND		ug/kg	740	130	10
Styrene	7200		ug/kg	740	140	10
Dichlorodifluoromethane	ND		ug/kg	7400	680	10
Acetone	ND		ug/kg	7400	3600	10
Carbon disulfide	ND		ug/kg	7400	3400	10
2-Butanone	ND		ug/kg	7400	1600	10
4-Methyl-2-pentanone	ND		ug/kg	7400	950	10
2-Hexanone	ND		ug/kg	7400	870	10
Bromochloromethane	ND		ug/kg	1500	150	10
1,2-Dibromoethane	ND		ug/kg	740	210	10
1,2-Dibromo-3-chloropropane	ND		ug/kg	2200	740	10
Isopropylbenzene	ND		ug/kg	740	81.	10
1,2,3-Trichlorobenzene	ND		ug/kg	1500	240	10
1,2,4-Trichlorobenzene	ND		ug/kg	1500	200	10
Methyl Acetate	1500	J	ug/kg	3000	700	10
Cyclohexane	ND		ug/kg	7400	400	10
1,4-Dioxane	ND		ug/kg	59000	26000	10
Freon-113	ND		ug/kg	3000	510	10
Methyl cyclohexane	ND		ug/kg	3000	450	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	121		70-130



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-03  
 Client ID: SS-BCP-23-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 12:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 07/27/23 11:31  
 Analyst: MCM  
 Percent Solids: 76%  
 TCLP/SPLP Ext. Date: 07/26/23 10:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Volatiles by EPA 1311 - Westborough Lab</b>						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	210		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	89		70-130
dibromofluoromethane	115		70-130

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-03 D  
 Client ID: SS-BCP-23-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 12:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 08/01/23 12:19  
 Analyst: AJK  
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	3700	1700	10
1,1-Dichloroethane	ND		ug/kg	740	110	10
Chloroform	ND		ug/kg	1100	100	10
Carbon tetrachloride	ND		ug/kg	740	170	10
1,2-Dichloropropane	ND		ug/kg	740	93.	10
Dibromochloromethane	ND		ug/kg	740	100	10
1,1,2-Trichloroethane	ND		ug/kg	740	200	10
Tetrachloroethene	ND		ug/kg	370	140	10
Chlorobenzene	ND		ug/kg	370	94.	10
Trichlorofluoromethane	ND		ug/kg	3000	520	10
1,2-Dichloroethane	ND		ug/kg	740	190	10
1,1,1-Trichloroethane	ND		ug/kg	370	120	10
Bromodichloromethane	ND		ug/kg	370	81.	10
trans-1,3-Dichloropropene	ND		ug/kg	740	200	10
cis-1,3-Dichloropropene	ND		ug/kg	370	120	10
Bromoform	ND		ug/kg	3000	180	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	370	120	10
Benzene	16000		ug/kg	370	120	10
Toluene	20000		ug/kg	740	400	10
Ethylbenzene	1500		ug/kg	740	100	10
Chloromethane	ND		ug/kg	3000	690	10
Bromomethane	ND		ug/kg	1500	430	10
Vinyl chloride	ND		ug/kg	740	250	10
Chloroethane	ND		ug/kg	1500	340	10
1,1-Dichloroethene	ND		ug/kg	740	180	10
trans-1,2-Dichloroethene	ND		ug/kg	1100	100	10
Trichloroethene	ND		ug/kg	370	100	10
1,2-Dichlorobenzene	ND		ug/kg	1500	110	10

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-03 D  
 Client ID: SS-BCP-23-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 12:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/kg	1500	110	10
1,4-Dichlorobenzene	ND		ug/kg	1500	130	10
Methyl tert butyl ether	ND		ug/kg	1500	150	10
p/m-Xylene	35000		ug/kg	1500	420	10
o-Xylene	12000		ug/kg	740	220	10
cis-1,2-Dichloroethene	ND		ug/kg	740	130	10
Styrene	7300		ug/kg	740	140	10
Dichlorodifluoromethane	ND		ug/kg	7400	680	10
Acetone	ND		ug/kg	7400	3600	10
Carbon disulfide	ND		ug/kg	7400	3400	10
2-Butanone	ND		ug/kg	7400	1600	10
4-Methyl-2-pentanone	ND		ug/kg	7400	950	10
2-Hexanone	ND		ug/kg	7400	880	10
Bromochloromethane	ND		ug/kg	1500	150	10
1,2-Dibromoethane	ND		ug/kg	740	210	10
1,2-Dibromo-3-chloropropane	ND		ug/kg	2200	740	10
Isopropylbenzene	91	J	ug/kg	740	81.	10
1,2,3-Trichlorobenzene	ND		ug/kg	1500	240	10
1,2,4-Trichlorobenzene	ND		ug/kg	1500	200	10
Methyl Acetate	ND		ug/kg	3000	710	10
Cyclohexane	ND		ug/kg	7400	400	10
1,4-Dioxane	ND		ug/kg	60000	26000	10
Freon-113	ND		ug/kg	3000	520	10
Methyl cyclohexane	580	J	ug/kg	3000	450	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	124		70-130

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-04  
 Client ID: SS-BCP-24-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:35  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 07/27/23 11:54  
 Analyst: MCM  
 Percent Solids: 76%  
 TCLP/SPLP Ext. Date: 07/26/23 10:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Volatiles by EPA 1311 - Westborough Lab</b>						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	500		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	94		70-130
dibromofluoromethane	108		70-130

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-04 D  
 Client ID: SS-BCP-24-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:35  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 08/01/23 12:40  
 Analyst: AJK  
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	8300	3800	20
1,1-Dichloroethane	ND		ug/kg	1700	240	20
Chloroform	ND		ug/kg	2500	230	20
Carbon tetrachloride	ND		ug/kg	1700	380	20
1,2-Dichloropropane	ND		ug/kg	1700	210	20
Dibromochloromethane	ND		ug/kg	1700	230	20
1,1,2-Trichloroethane	ND		ug/kg	1700	440	20
Tetrachloroethene	640	J	ug/kg	830	320	20
Chlorobenzene	ND		ug/kg	830	210	20
Trichlorofluoromethane	ND		ug/kg	6600	1200	20
1,2-Dichloroethane	ND		ug/kg	1700	430	20
1,1,1-Trichloroethane	ND		ug/kg	830	280	20
Bromodichloromethane	ND		ug/kg	830	180	20
trans-1,3-Dichloropropene	ND		ug/kg	1700	450	20
cis-1,3-Dichloropropene	ND		ug/kg	830	260	20
Bromoform	ND		ug/kg	6600	410	20
1,1,2,2-Tetrachloroethane	ND		ug/kg	830	280	20
Benzene	120000		ug/kg	830	280	20
Toluene	83000		ug/kg	1700	900	20
Ethylbenzene	10000		ug/kg	1700	230	20
Chloromethane	ND		ug/kg	6600	1500	20
Bromomethane	ND		ug/kg	3300	960	20
Vinyl chloride	ND		ug/kg	1700	560	20
Chloroethane	ND		ug/kg	3300	750	20
1,1-Dichloroethene	ND		ug/kg	1700	400	20
trans-1,2-Dichloroethene	ND		ug/kg	2500	230	20
Trichloroethene	ND		ug/kg	830	230	20
1,2-Dichlorobenzene	ND		ug/kg	3300	240	20

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-04 D  
 Client ID: SS-BCP-24-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:35  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/kg	3300	240	20
1,4-Dichlorobenzene	ND		ug/kg	3300	280	20
Methyl tert butyl ether	ND		ug/kg	3300	330	20
p/m-Xylene	150000		ug/kg	3300	930	20
o-Xylene	55000		ug/kg	1700	480	20
cis-1,2-Dichloroethene	ND		ug/kg	1700	290	20
Styrene	22000		ug/kg	1700	320	20
Dichlorodifluoromethane	ND		ug/kg	17000	1500	20
Acetone	ND		ug/kg	17000	8000	20
Carbon disulfide	ND		ug/kg	17000	7600	20
2-Butanone	ND		ug/kg	17000	3700	20
4-Methyl-2-pentanone	ND		ug/kg	17000	2100	20
2-Hexanone	ND		ug/kg	17000	2000	20
Bromochloromethane	ND		ug/kg	3300	340	20
1,2-Dibromoethane	ND		ug/kg	1700	460	20
1,2-Dibromo-3-chloropropane	ND		ug/kg	5000	1600	20
Isopropylbenzene	1000	J	ug/kg	1700	180	20
1,2,3-Trichlorobenzene	ND		ug/kg	3300	530	20
1,2,4-Trichlorobenzene	ND		ug/kg	3300	450	20
Methyl Acetate	ND		ug/kg	6600	1600	20
Cyclohexane	ND		ug/kg	17000	900	20
1,4-Dioxane	ND		ug/kg	130000	58000	20
Freon-113	ND		ug/kg	6600	1200	20
Methyl cyclohexane	1600	J	ug/kg	6600	1000	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	117		70-130

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-05 D  
 Client ID: SS-BCP-25-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 08/01/23 13:00  
 Analyst: AJK  
 Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	8900	4100	20
1,1-Dichloroethane	ND		ug/kg	1800	260	20
Chloroform	ND		ug/kg	2700	250	20
Carbon tetrachloride	ND		ug/kg	1800	410	20
1,2-Dichloropropane	ND		ug/kg	1800	220	20
Dibromochloromethane	ND		ug/kg	1800	250	20
1,1,2-Trichloroethane	ND		ug/kg	1800	470	20
Tetrachloroethene	ND		ug/kg	890	350	20
Chlorobenzene	ND		ug/kg	890	220	20
Trichlorofluoromethane	ND		ug/kg	7100	1200	20
1,2-Dichloroethane	ND		ug/kg	1800	460	20
1,1,1-Trichloroethane	ND		ug/kg	890	300	20
Bromodichloromethane	ND		ug/kg	890	190	20
trans-1,3-Dichloropropene	ND		ug/kg	1800	480	20
cis-1,3-Dichloropropene	ND		ug/kg	890	280	20
Bromoform	ND		ug/kg	7100	440	20
1,1,2,2-Tetrachloroethane	ND		ug/kg	890	300	20
Benzene	71000		ug/kg	890	300	20
Toluene	56000		ug/kg	1800	960	20
Ethylbenzene	6700		ug/kg	1800	250	20
Chloromethane	ND		ug/kg	7100	1600	20
Bromomethane	ND		ug/kg	3600	1000	20
Vinyl chloride	ND		ug/kg	1800	600	20
Chloroethane	ND		ug/kg	3600	800	20
1,1-Dichloroethene	ND		ug/kg	1800	420	20
trans-1,2-Dichloroethene	ND		ug/kg	2700	240	20
Trichloroethene	ND		ug/kg	890	240	20
1,2-Dichlorobenzene	ND		ug/kg	3600	260	20

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-05 D  
 Client ID: SS-BCP-25-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/kg	3600	260	20
1,4-Dichlorobenzene	ND		ug/kg	3600	300	20
Methyl tert butyl ether	ND		ug/kg	3600	360	20
p/m-Xylene	74000		ug/kg	3600	1000	20
o-Xylene	22000		ug/kg	1800	520	20
cis-1,2-Dichloroethene	ND		ug/kg	1800	310	20
Styrene	27000		ug/kg	1800	350	20
Dichlorodifluoromethane	ND		ug/kg	18000	1600	20
Acetone	ND		ug/kg	18000	8600	20
Carbon disulfide	ND		ug/kg	18000	8100	20
2-Butanone	ND		ug/kg	18000	3900	20
4-Methyl-2-pentanone	ND		ug/kg	18000	2300	20
2-Hexanone	ND		ug/kg	18000	2100	20
Bromochloromethane	ND		ug/kg	3600	360	20
1,2-Dibromoethane	ND		ug/kg	1800	500	20
1,2-Dibromo-3-chloropropane	ND		ug/kg	5300	1800	20
Isopropylbenzene	610	J	ug/kg	1800	190	20
1,2,3-Trichlorobenzene	ND		ug/kg	3600	570	20
1,2,4-Trichlorobenzene	ND		ug/kg	3600	480	20
Methyl Acetate	ND		ug/kg	7100	1700	20
Cyclohexane	ND		ug/kg	18000	970	20
1,4-Dioxane	ND		ug/kg	140000	62000	20
Freon-113	ND		ug/kg	7100	1200	20
Methyl cyclohexane	ND		ug/kg	7100	1100	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	120		70-130



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-06  
 Client ID: SS-BCP-21-02-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:45  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 07/28/23 08:30  
 Analyst: MKS  
 Percent Solids: 90%  
 TCLP/SPLP Ext. Date: 07/27/23 09:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Volatiles by EPA 1311 - Westborough Lab</b>						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	77		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	83		70-130
dibromofluoromethane	123		70-130

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-07  
 Client ID: SS-BCP-21-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:50  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 07/28/23 08:53  
 Analyst: MKS  
 Percent Solids: 86%  
 TCLP/SPLP Ext. Date: 07/27/23 09:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Volatiles by EPA 1311 - Westborough Lab</b>						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	98		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	83		70-130
dibromofluoromethane	121		70-130

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-08  
 Client ID: SS-BCP-21-06-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:55  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 07/28/23 09:16  
 Analyst: MKS  
 Percent Solids: 89%  
 TCLP/SPLP Ext. Date: 07/27/23 09:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Volatiles by EPA 1311 - Westborough Lab</b>						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	50		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	83		70-130
dibromofluoromethane	117		70-130

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-09  
 Client ID: SS-BCP-22-02-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 07/28/23 09:39  
 Analyst: MKS  
 Percent Solids: 84%  
 TCLP/SPLP Ext. Date: 07/27/23 09:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Volatiles by EPA 1311 - Westborough Lab</b>						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	130		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	84		70-130
dibromofluoromethane	117		70-130

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-10  
 Client ID: SS-BCP-22-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:02  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 08/01/23 03:17  
 Analyst: JIC  
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	330	150	1
1,1-Dichloroethane	ND		ug/kg	66	9.6	1
Chloroform	ND		ug/kg	99	9.2	1
Carbon tetrachloride	ND		ug/kg	66	15.	1
1,2-Dichloropropane	ND		ug/kg	66	8.2	1
Dibromochloromethane	ND		ug/kg	66	9.2	1
1,1,2-Trichloroethane	ND		ug/kg	66	18.	1
Tetrachloroethene	ND		ug/kg	33	13.	1
Chlorobenzene	ND		ug/kg	33	8.4	1
Trichlorofluoromethane	ND		ug/kg	260	46.	1
1,2-Dichloroethane	ND		ug/kg	66	17.	1
1,1,1-Trichloroethane	ND		ug/kg	33	11.	1
Bromodichloromethane	ND		ug/kg	33	7.2	1
trans-1,3-Dichloropropene	ND		ug/kg	66	18.	1
cis-1,3-Dichloropropene	ND		ug/kg	33	10.	1
Bromoform	ND		ug/kg	260	16.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	33	11.	1
Benzene	9100		ug/kg	33	11.	1
Toluene	13000		ug/kg	66	36.	1
Ethylbenzene	1500		ug/kg	66	9.3	1
Chloromethane	ND		ug/kg	260	61.	1
Bromomethane	ND		ug/kg	130	38.	1
Vinyl chloride	ND		ug/kg	66	22.	1
Chloroethane	ND		ug/kg	130	30.	1
1,1-Dichloroethene	ND		ug/kg	66	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	99	9.0	1
Trichloroethene	ND		ug/kg	33	9.0	1
1,2-Dichlorobenzene	ND		ug/kg	130	9.5	1

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-10  
 Client ID: SS-BCP-22-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:02  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/kg	130	9.8	1
1,4-Dichlorobenzene	ND		ug/kg	130	11.	1
Methyl tert butyl ether	ND		ug/kg	130	13.	1
p/m-Xylene	26000		ug/kg	130	37.	1
o-Xylene	6000		ug/kg	66	19.	1
cis-1,2-Dichloroethene	ND		ug/kg	66	12.	1
Styrene	6900		ug/kg	66	13.	1
Dichlorodifluoromethane	ND		ug/kg	660	60.	1
Acetone	440	J	ug/kg	660	320	1
Carbon disulfide	ND		ug/kg	660	300	1
2-Butanone	ND		ug/kg	660	150	1
4-Methyl-2-pentanone	ND		ug/kg	660	84.	1
2-Hexanone	ND		ug/kg	660	78.	1
Bromochloromethane	ND		ug/kg	130	14.	1
1,2-Dibromoethane	ND		ug/kg	66	18.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	66.	1
Isopropylbenzene	56	J	ug/kg	66	7.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	130	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	130	18.	1
Methyl Acetate	3800		ug/kg	260	63.	1
Cyclohexane	96	J	ug/kg	660	36.	1
1,4-Dioxane	ND		ug/kg	5300	2300	1
Freon-113	ND		ug/kg	260	46.	1
Methyl cyclohexane	220	J	ug/kg	260	40.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	127		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	110		70-130

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-11  
 Client ID: SS-BCP-22-06-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:06  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 08/01/23 03:42  
 Analyst: JIC  
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	320	150	1
1,1-Dichloroethane	ND		ug/kg	64	9.3	1
Chloroform	ND		ug/kg	96	9.0	1
Carbon tetrachloride	ND		ug/kg	64	15.	1
1,2-Dichloropropane	ND		ug/kg	64	8.0	1
Dibromochloromethane	ND		ug/kg	64	9.0	1
1,1,2-Trichloroethane	ND		ug/kg	64	17.	1
Tetrachloroethene	ND		ug/kg	32	12.	1
Chlorobenzene	ND		ug/kg	32	8.2	1
Trichlorofluoromethane	ND		ug/kg	260	45.	1
1,2-Dichloroethane	ND		ug/kg	64	16.	1
1,1,1-Trichloroethane	ND		ug/kg	32	11.	1
Bromodichloromethane	ND		ug/kg	32	7.0	1
trans-1,3-Dichloropropene	ND		ug/kg	64	18.	1
cis-1,3-Dichloropropene	ND		ug/kg	32	10.	1
Bromoform	ND		ug/kg	260	16.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	32	11.	1
Benzene	11000		ug/kg	32	11.	1
Toluene	13000		ug/kg	64	35.	1
Ethylbenzene	1400		ug/kg	64	9.1	1
Chloromethane	ND		ug/kg	260	60.	1
Bromomethane	ND		ug/kg	130	37.	1
Vinyl chloride	ND		ug/kg	64	22.	1
Chloroethane	ND		ug/kg	130	29.	1
1,1-Dichloroethene	ND		ug/kg	64	15.	1
trans-1,2-Dichloroethene	ND		ug/kg	96	8.8	1
Trichloroethene	ND		ug/kg	32	8.8	1
1,2-Dichlorobenzene	ND		ug/kg	130	9.2	1

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-11  
 Client ID: SS-BCP-22-06-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:06  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/kg	130	9.5	1
1,4-Dichlorobenzene	ND		ug/kg	130	11.	1
Methyl tert butyl ether	ND		ug/kg	130	13.	1
p/m-Xylene	22000		ug/kg	130	36.	1
o-Xylene	5500		ug/kg	64	19.	1
cis-1,2-Dichloroethene	ND		ug/kg	64	11.	1
Styrene	6300		ug/kg	64	12.	1
Dichlorodifluoromethane	ND		ug/kg	640	59.	1
Acetone	520	J	ug/kg	640	310	1
Carbon disulfide	ND		ug/kg	640	290	1
2-Butanone	ND		ug/kg	640	140	1
4-Methyl-2-pentanone	ND		ug/kg	640	82.	1
2-Hexanone	ND		ug/kg	640	76.	1
Bromochloromethane	ND		ug/kg	130	13.	1
1,2-Dibromoethane	ND		ug/kg	64	18.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	190	64.	1
Isopropylbenzene	57	J	ug/kg	64	7.0	1
1,2,3-Trichlorobenzene	ND		ug/kg	130	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	130	17.	1
Methyl Acetate	4700		ug/kg	260	61.	1
Cyclohexane	83	J	ug/kg	640	35.	1
1,4-Dioxane	ND		ug/kg	5100	2200	1
Freon-113	ND		ug/kg	260	44.	1
Methyl cyclohexane	190	J	ug/kg	260	39.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	127		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	121		70-130
Dibromofluoromethane	111		70-130



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-12  
 Client ID: SS-BCP-23-02-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:39  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 07/28/23 10:02  
 Analyst: MKS  
 Percent Solids: 89%  
 TCLP/SPLP Ext. Date: 07/27/23 09:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Volatiles by EPA 1311 - Westborough Lab</b>						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	50		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	83		70-130
dibromofluoromethane	120		70-130

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-13  
 Client ID: SS-BCP-23-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:41  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 07/28/23 10:25  
 Analyst: MKS  
 Percent Solids: 91%  
 TCLP/SPLP Ext. Date: 07/27/23 09:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Volatiles by EPA 1311 - Westborough Lab</b>						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	66		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	84		70-130
dibromofluoromethane	117		70-130

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-14  
 Client ID: SS-BCP-23-06-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:44  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 07/28/23 10:48  
 Analyst: MKS  
 Percent Solids: 87%  
 TCLP/SPLP Ext. Date: 07/27/23 09:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Volatiles by EPA 1311 - Westborough Lab</b>						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	42		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	88		70-130
dibromofluoromethane	111		70-130

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-15  
 Client ID: SS-BCP-24-02-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:35  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 07/28/23 11:11  
 Analyst: MKS  
 Percent Solids: 87%  
 TCLP/SPLP Ext. Date: 07/27/23 09:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Volatiles by EPA 1311 - Westborough Lab</b>						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	660		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	89		70-130
dibromofluoromethane	107		70-130

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-16 D2  
 Client ID: SS-BCP-24-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:38  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 08/01/23 11:17  
 Analyst: AJK  
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	120000		ug/kg	1500	510	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	122		70-130

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-16 D  
 Client ID: SS-BCP-24-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:38  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 08/01/23 04:08  
 Analyst: JIC  
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	1500	710	5
1,1-Dichloroethane	ND		ug/kg	310	45.	5
Chloroform	ND		ug/kg	460	43.	5
Carbon tetrachloride	ND		ug/kg	310	71.	5
1,2-Dichloropropane	ND		ug/kg	310	38.	5
Dibromochloromethane	ND		ug/kg	310	43.	5
1,1,2-Trichloroethane	ND		ug/kg	310	82.	5
Tetrachloroethene	93	J	ug/kg	150	60.	5
Chlorobenzene	ND		ug/kg	150	39.	5
Trichlorofluoromethane	ND		ug/kg	1200	210	5
1,2-Dichloroethane	ND		ug/kg	310	79.	5
1,1,1-Trichloroethane	ND		ug/kg	150	52.	5
Bromodichloromethane	ND		ug/kg	150	34.	5
trans-1,3-Dichloropropene	ND		ug/kg	310	84.	5
cis-1,3-Dichloropropene	ND		ug/kg	150	49.	5
Bromoform	ND		ug/kg	1200	76.	5
1,1,2,2-Tetrachloroethane	ND		ug/kg	150	51.	5
Benzene	110000	E	ug/kg	150	51.	5
Toluene	76000		ug/kg	310	170	5
Ethylbenzene	7400		ug/kg	310	43.	5
Chloromethane	ND		ug/kg	1200	290	5
Bromomethane	ND		ug/kg	620	180	5
Vinyl chloride	ND		ug/kg	310	100	5
Chloroethane	ND		ug/kg	620	140	5
1,1-Dichloroethene	ND		ug/kg	310	73.	5
trans-1,2-Dichloroethene	ND		ug/kg	460	42.	5
Trichloroethene	ND		ug/kg	150	42.	5
1,2-Dichlorobenzene	ND		ug/kg	620	44.	5

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-16 D  
 Client ID: SS-BCP-24-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:38  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,3-Dichlorobenzene	ND		ug/kg	620	46.	5
1,4-Dichlorobenzene	ND		ug/kg	620	53.	5
Methyl tert butyl ether	ND		ug/kg	620	62.	5
p/m-Xylene	100000		ug/kg	620	170	5
o-Xylene	35000		ug/kg	310	90.	5
cis-1,2-Dichloroethene	ND		ug/kg	310	54.	5
Styrene	19000		ug/kg	310	60.	5
Dichlorodifluoromethane	ND		ug/kg	3100	280	5
Acetone	ND		ug/kg	3100	1500	5
Carbon disulfide	ND		ug/kg	3100	1400	5
2-Butanone	ND		ug/kg	3100	680	5
4-Methyl-2-pentanone	ND		ug/kg	3100	390	5
2-Hexanone	ND		ug/kg	3100	360	5
Bromochloromethane	ND		ug/kg	620	63.	5
1,2-Dibromoethane	ND		ug/kg	310	86.	5
1,2-Dibromo-3-chloropropane	ND		ug/kg	920	310	5
Isopropylbenzene	580		ug/kg	310	34.	5
1,2,3-Trichlorobenzene	ND		ug/kg	620	99.	5
1,2,4-Trichlorobenzene	ND		ug/kg	620	84.	5
Methyl Acetate	ND		ug/kg	1200	290	5
Cyclohexane	190	J	ug/kg	3100	170	5
1,4-Dioxane	ND		ug/kg	25000	11000	5
Freon-113	ND		ug/kg	1200	210	5
Methyl cyclohexane	460	J	ug/kg	1200	190	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	108		70-130

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-17  
 Client ID: SS-BCP-24-06-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:40  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 07/28/23 11:34  
 Analyst: MKS  
 Percent Solids: 86%  
 TCLP/SPLP Ext. Date: 07/27/23 09:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Volatiles by EPA 1311 - Westborough Lab</b>						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	1300		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	90		70-130
dibromofluoromethane	105		70-130



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/27/23 04:40  
Analyst: MCM  
TCLP/SPLP Extraction Date: 07/26/23 10:19

Extraction Date: 07/26/23 10:19

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01-04 Batch: WG1808391-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	91		70-130
dibromofluoromethane	116		70-130

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/28/23 06:13  
Analyst: MCM  
TCLP/SPLP Extraction Date: 07/27/23 09:15

Extraction Date: 07/27/23 09:15

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 06-09,12-15,17 Batch: WG1808926-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	87		70-130
dibromofluoromethane	120		70-130

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/28/23 20:59  
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1809589-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/28/23 20:59  
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1809589-5					
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Isopropylbenzene	ND		ug/kg	50	5.4
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
Methyl Acetate	ND		ug/kg	200	48.
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	4000	1800
Freon-113	ND		ug/kg	200	35.
Methyl cyclohexane	ND		ug/kg	200	30.

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/28/23 20:59  
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1809589-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	96		70-130

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/31/23 22:32  
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-11,16 Batch: WG1810287-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/31/23 22:32  
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-11,16 Batch: WG1810287-5					
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Isopropylbenzene	ND		ug/kg	50	5.4
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
Methyl Acetate	ND		ug/kg	200	48.
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	4000	1800
Freon-113	ND		ug/kg	200	35.
Methyl cyclohexane	ND		ug/kg	200	30.

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 07/31/23 22:32  
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-11,16 Batch: WG1810287-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	128		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	112		70-130



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 08/01/23 10:56  
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,16 Batch: WG1810425-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	41	J	ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 08/01/23 10:56  
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,16 Batch: WG1810425-5					
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Styrene	12	J	ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Isopropylbenzene	ND		ug/kg	50	5.4
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
Methyl Acetate	ND		ug/kg	200	48.
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	4000	1800
Freon-113	ND		ug/kg	200	35.
Methyl cyclohexane	ND		ug/kg	200	30.

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 08/01/23 10:56  
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,16 Batch: WG1810425-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	122		70-130

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-04 Batch: WG1808391-3 WG1808391-4								
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	120		120		63-132	0		20
Tetrachloroethene	120		110		70-130	9		20
Chlorobenzene	100		100		75-130	0		25
1,2-Dichloroethane	100		110		70-130	10		20
Benzene	110		110		70-130	0		25
Vinyl chloride	87		87		55-140	0		20
1,1-Dichloroethene	120		100		61-145	18		25
Trichloroethene	120		110		70-130	9		25
1,4-Dichlorobenzene	98		97		70-130	1		20
2-Butanone	77		78		63-138	1		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	100		103		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	86		88		70-130
dibromofluoromethane	108		110		70-130

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 06-09,12-15,17 Batch: WG1808926-3 WG1808926-4								
Chloroform	100		110		70-130	10		20
Carbon tetrachloride	120		120		63-132	0		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	95		98		75-130	3		25
1,2-Dichloroethane	100		110		70-130	10		20
Benzene	100		100		70-130	0		25
Vinyl chloride	80		83		55-140	4		20
1,1-Dichloroethene	120		120		61-145	0		25
Trichloroethene	110		110		70-130	0		25
1,4-Dichlorobenzene	93		93		70-130	0		20
2-Butanone	78		82		63-138	5		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	112		105		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	87		87		70-130
dibromofluoromethane	113		111		70-130



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1809589-3 WG1809589-4								
Methylene chloride	101		104		70-130	3		30
1,1-Dichloroethane	102		102		70-130	0		30
Chloroform	100		101		70-130	1		30
Carbon tetrachloride	94		93		70-130	1		30
1,2-Dichloropropane	101		102		70-130	1		30
Dibromochloromethane	97		98		70-130	1		30
1,1,2-Trichloroethane	98		101		70-130	3		30
Tetrachloroethene	103		102		70-130	1		30
Chlorobenzene	95		95		70-130	0		30
Trichlorofluoromethane	95		94		70-139	1		30
1,2-Dichloroethane	97		99		70-130	2		30
1,1,1-Trichloroethane	100		99		70-130	1		30
Bromodichloromethane	100		102		70-130	2		30
trans-1,3-Dichloropropene	96		98		70-130	2		30
cis-1,3-Dichloropropene	104		104		70-130	0		30
Bromoform	92		96		70-130	4		30
1,1,2,2-Tetrachloroethane	89		92		70-130	3		30
Benzene	100		101		70-130	1		30
Toluene	89		88		70-130	1		30
Ethylbenzene	92		92		70-130	0		30
Chloromethane	94		98		52-130	4		30
Bromomethane	136		130		57-147	5		30
Vinyl chloride	102		106		67-130	4		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1809589-3 WG1809589-4								
Chloroethane	105		104		50-151	1		30
1,1-Dichloroethene	100		100		65-135	0		30
trans-1,2-Dichloroethene	103		103		70-130	0		30
Trichloroethene	106		106		70-130	0		30
1,2-Dichlorobenzene	95		96		70-130	1		30
1,3-Dichlorobenzene	94		94		70-130	0		30
1,4-Dichlorobenzene	95		96		70-130	1		30
Methyl tert butyl ether	119		123		66-130	3		30
p/m-Xylene	91		92		70-130	1		30
o-Xylene	94		93		70-130	1		30
cis-1,2-Dichloroethene	105		106		70-130	1		30
Styrene	92		92		70-130	0		30
Dichlorodifluoromethane	106		107		30-146	1		30
Acetone	84		88		54-140	5		30
Carbon disulfide	101		100		59-130	1		30
2-Butanone	88		89		70-130	1		30
4-Methyl-2-pentanone	90		93		70-130	3		30
2-Hexanone	75		77		70-130	3		30
Bromochloromethane	109		109		70-130	0		30
1,2-Dibromoethane	96		99		70-130	3		30
1,2-Dibromo-3-chloropropane	86		92		68-130	7		30
Isopropylbenzene	86		86		70-130	0		30
1,2,3-Trichlorobenzene	99		101		70-130	2		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1809589-3 WG1809589-4								
1,2,4-Trichlorobenzene	101		101		70-130	0		30
Methyl Acetate	99		103		51-146	4		30
Cyclohexane	87		86		59-142	1		30
1,4-Dioxane	91		93		65-136	2		30
Freon-113	95		94		50-139	1		30
Methyl cyclohexane	96		96		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		95		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	99		98		70-130



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	LCS		LCSD		%Recovery		RPD	RPD	
	%Recovery	Qual	%Recovery	Qual	Limits	Qual		Limits	
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-11,16 Batch: WG1810287-3 WG1810287-4									
Methylene chloride	84		83		70-130		1		30
1,1-Dichloroethane	113		112		70-130		1		30
Chloroform	92		91		70-130		1		30
Carbon tetrachloride	94		92		70-130		2		30
1,2-Dichloropropane	106		106		70-130		0		30
Dibromochloromethane	81		81		70-130		0		30
1,1,2-Trichloroethane	79		78		70-130		1		30
Tetrachloroethene	89		88		70-130		1		30
Chlorobenzene	84		83		70-130		1		30
Trichlorofluoromethane	88		87		70-139		1		30
1,2-Dichloroethane	108		107		70-130		1		30
1,1,1-Trichloroethane	101		100		70-130		1		30
Bromodichloromethane	90		89		70-130		1		30
trans-1,3-Dichloropropene	82		82		70-130		0		30
cis-1,3-Dichloropropene	92		92		70-130		0		30
Bromoform	72		72		70-130		0		30
1,1,1,2-Tetrachloroethane	72		66	Q	70-130		9		30
Benzene	92		91		70-130		1		30
Toluene	85		84		70-130		1		30
Ethylbenzene	89		88		70-130		1		30
Chloromethane	116		112		52-130		4		30
Bromomethane	99		98		57-147		1		30
Vinyl chloride	108		106		67-130		2		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-11,16 Batch: WG1810287-3 WG1810287-4								
Chloroethane	106		105		50-151	1		30
1,1-Dichloroethene	93		92		65-135	1		30
trans-1,2-Dichloroethene	95		93		70-130	2		30
Trichloroethene	97		102		70-130	5		30
1,2-Dichlorobenzene	81		81		70-130	0		30
1,3-Dichlorobenzene	83		82		70-130	1		30
1,4-Dichlorobenzene	80		80		70-130	0		30
Methyl tert butyl ether	102		103		66-130	1		30
p/m-Xylene	87		86		70-130	1		30
o-Xylene	86		86		70-130	0		30
cis-1,2-Dichloroethene	94		89		70-130	5		30
Styrene	88		87		70-130	1		30
Dichlorodifluoromethane	73		73		30-146	0		30
Acetone	88		90		54-140	2		30
Carbon disulfide	87		86		59-130	1		30
2-Butanone	91		78		70-130	15		30
4-Methyl-2-pentanone	100		99		70-130	1		30
2-Hexanone	87		89		70-130	2		30
Bromochloromethane	89		89		70-130	0		30
1,2-Dibromoethane	82		82		70-130	0		30
1,2-Dibromo-3-chloropropane	73		74		68-130	1		30
Isopropylbenzene	85		83		70-130	2		30
1,2,3-Trichlorobenzene	79		79		70-130	0		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-11,16 Batch: WG1810287-3 WG1810287-4								
1,2,4-Trichlorobenzene	81		79		70-130	3		30
Methyl Acetate	96		95		51-146	1		30
Cyclohexane	120		117		59-142	3		30
1,4-Dioxane	102		102		65-136	0		30
Freon-113	94		92		50-139	2		30
Methyl cyclohexane	92		90		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		111		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	104		104		70-130

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,16 Batch: WG1810425-3 WG1810425-4								
Methylene chloride	118		119		70-130	1		30
1,1-Dichloroethane	106		105		70-130	1		30
Chloroform	106		103		70-130	3		30
Carbon tetrachloride	104		104		70-130	0		30
1,2-Dichloropropane	103		105		70-130	2		30
Dibromochloromethane	94		95		70-130	1		30
1,1,2-Trichloroethane	89		93		70-130	4		30
Tetrachloroethene	89		87		70-130	2		30
Chlorobenzene	91		91		70-130	0		30
Trichlorofluoromethane	117		115		70-139	2		30
1,2-Dichloroethane	99		103		70-130	4		30
1,1,1-Trichloroethane	107		105		70-130	2		30
Bromodichloromethane	107		108		70-130	1		30
trans-1,3-Dichloropropene	92		94		70-130	2		30
cis-1,3-Dichloropropene	106		110		70-130	4		30
Bromoform	89		88		70-130	1		30
1,1,2,2-Tetrachloroethane	93		95		70-130	2		30
Benzene	106		107		70-130	1		30
Toluene	87		88		70-130	1		30
Ethylbenzene	89		88		70-130	1		30
Chloromethane	126		123		52-130	2		30
Bromomethane	130		130		57-147	0		30
Vinyl chloride	118		116		67-130	2		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,16 Batch: WG1810425-3 WG1810425-4								
Chloroethane	127		126		50-151	1		30
1,1-Dichloroethene	111		108		65-135	3		30
trans-1,2-Dichloroethene	107		102		70-130	5		30
Trichloroethene	108		109		70-130	1		30
1,2-Dichlorobenzene	88		88		70-130	0		30
1,3-Dichlorobenzene	89		88		70-130	1		30
1,4-Dichlorobenzene	88		88		70-130	0		30
Methyl tert butyl ether	107		108		66-130	1		30
p/m-Xylene	93		92		70-130	1		30
o-Xylene	93		93		70-130	0		30
cis-1,2-Dichloroethene	103		106		70-130	3		30
Styrene	92		93		70-130	1		30
Dichlorodifluoromethane	132		129		30-146	2		30
Acetone	107		106		54-140	1		30
Carbon disulfide	116		115		59-130	1		30
2-Butanone	95		94		70-130	1		30
4-Methyl-2-pentanone	83		83		70-130	0		30
2-Hexanone	74		76		70-130	3		30
Bromochloromethane	112		116		70-130	4		30
1,2-Dibromoethane	96		98		70-130	2		30
1,2-Dibromo-3-chloropropane	84		83		68-130	1		30
Isopropylbenzene	87		85		70-130	2		30
1,2,3-Trichlorobenzene	85		85		70-130	0		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,16 Batch: WG1810425-3 WG1810425-4								
1,2,4-Trichlorobenzene	85		83		70-130	2		30
Methyl Acetate	105		108		51-146	3		30
Cyclohexane	102		99		59-142	3		30
1,4-Dioxane	82		84		65-136	2		30
Freon-113	114		111		50-139	3		30
Methyl cyclohexane	97		96		70-130	1		30

<b>Surrogate</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>Acceptance Criteria</b>
1,2-Dichloroethane-d4	109		111		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	93		91		70-130
Dibromofluoromethane	120		123		70-130

# SEMIVOLATILES

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-01  
 Client ID: SS-BCP-21-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:55  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/24/23 17:04  
 Analyst: JG  
 Percent Solids: 74%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 20:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	7.0	J	ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	11	J	ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		21-120
Phenol-d6	64		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	68		33-120



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-01 D2  
 Client ID: SS-BCP-21-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:55  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 08/01/23 14:09  
 Analyst: JG  
 Percent Solids: 74%

Extraction Method: EPA 3546  
 Extraction Date: 07/27/23 21:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	390000		ug/kg	44000	5400	200

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-01 D  
 Client ID: SS-BCP-21-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:55  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/31/23 13:44  
 Analyst: SZ  
 Percent Solids: 74%

Extraction Method: EPA 3546  
 Extraction Date: 07/27/23 21:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	33000		ug/kg	3500	460	20
Hexachlorobenzene	ND		ug/kg	2600	490	20
Bis(2-chloroethyl)ether	ND		ug/kg	4000	600	20
2-Chloronaphthalene	ND		ug/kg	4400	440	20
3,3'-Dichlorobenzidine	ND		ug/kg	4400	1200	20
2,4-Dinitrotoluene	ND		ug/kg	4400	880	20
2,6-Dinitrotoluene	ND		ug/kg	4400	760	20
Fluoranthene	46000		ug/kg	2600	500	20
4-Chlorophenyl phenyl ether	ND		ug/kg	4400	470	20
4-Bromophenyl phenyl ether	ND		ug/kg	4400	670	20
Bis(2-chloroisopropyl)ether	ND		ug/kg	5300	750	20
Bis(2-chloroethoxy)methane	ND		ug/kg	4800	440	20
Hexachlorobutadiene	ND		ug/kg	4400	640	20
Hexachlorocyclopentadiene	ND		ug/kg	12000	4000	20
Hexachloroethane	ND		ug/kg	3500	710	20
Isophorone	ND		ug/kg	4000	570	20
Naphthalene	320000	E	ug/kg	4400	540	20
Nitrobenzene	ND		ug/kg	4000	650	20
NDPA/DPA	ND		ug/kg	3500	500	20
n-Nitrosodi-n-propylamine	ND		ug/kg	4400	680	20
Bis(2-ethylhexyl)phthalate	ND		ug/kg	4400	1500	20
Butyl benzyl phthalate	ND		ug/kg	4400	1100	20
Di-n-butylphthalate	ND		ug/kg	4400	840	20
Di-n-octylphthalate	ND		ug/kg	4400	1500	20
Diethyl phthalate	ND		ug/kg	4400	410	20
Dimethyl phthalate	ND		ug/kg	4400	920	20
Benzo(a)anthracene	22000		ug/kg	2600	500	20
Benzo(a)pyrene	12000		ug/kg	3500	1100	20

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-01 D  
 Client ID: SS-BCP-21-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:55  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Benzo(b)fluoranthene	20000		ug/kg	2600	740	20
Benzo(k)fluoranthene	4900		ug/kg	2600	700	20
Chrysene	20000		ug/kg	2600	460	20
Acenaphthylene	5900		ug/kg	3500	680	20
Anthracene	9900		ug/kg	2600	860	20
Benzo(ghi)perylene	7000		ug/kg	3500	520	20
Fluorene	21000		ug/kg	4400	430	20
Phenanthrene	37000		ug/kg	2600	540	20
Dibenzo(a,h)anthracene	1900	J	ug/kg	2600	510	20
Indeno(1,2,3-cd)pyrene	8000		ug/kg	3500	610	20
Pyrene	38000		ug/kg	2600	440	20
Biphenyl	6500	J	ug/kg	10000	570	20
4-Chloroaniline	ND		ug/kg	4400	800	20
2-Nitroaniline	ND		ug/kg	4400	850	20
3-Nitroaniline	ND		ug/kg	4400	830	20
4-Nitroaniline	ND		ug/kg	4400	1800	20
Dibenzofuran	17000		ug/kg	4400	420	20
2-Methylnaphthalene	50000		ug/kg	5300	530	20
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	4400	460	20
Acetophenone	ND		ug/kg	4400	540	20
2,4,6-Trichlorophenol	ND		ug/kg	2600	840	20
p-Chloro-m-cresol	ND		ug/kg	4400	660	20
2-Chlorophenol	ND		ug/kg	4400	520	20
2,4-Dichlorophenol	ND		ug/kg	4000	710	20
2,4-Dimethylphenol	ND		ug/kg	4400	1400	20
2-Nitrophenol	ND		ug/kg	9500	1600	20
4-Nitrophenol	ND		ug/kg	6200	1800	20
2,4-Dinitrophenol	ND		ug/kg	21000	2000	20
4,6-Dinitro-o-cresol	ND		ug/kg	11000	2100	20
Pentachlorophenol	ND		ug/kg	3500	970	20
Phenol	710	J	ug/kg	4400	660	20
2-Methylphenol	ND		ug/kg	4400	680	20
3-Methylphenol/4-Methylphenol	950	J	ug/kg	6300	690	20
2,4,5-Trichlorophenol	ND		ug/kg	4400	840	20
Carbazole	3500	J	ug/kg	4400	430	20
Atrazine	ND		ug/kg	3500	1500	20
Benzaldehyde	ND		ug/kg	5800	1200	20

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-01 D  
 Client ID: SS-BCP-21-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:55  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	4400	1300	20
2,3,4,6-Tetrachlorophenol	ND		ug/kg	4400	890	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	25-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	0	Q	23-120
2-Fluorobiphenyl	0	Q	30-120
2,4,6-Tribromophenol	0	Q	10-136
4-Terphenyl-d14	0	Q	18-120

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-02  
 Client ID: SS-BCP-22-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:15  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/24/23 17:28  
 Analyst: JG  
 Percent Solids: 78%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 20:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	900		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	2200	E	ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	7.2	J	ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		21-120
Phenol-d6	72		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	105		10-120
4-Terphenyl-d14	77		33-120

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-02 D2  
 Client ID: SS-BCP-22-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:15  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 08/01/23 15:43  
 Analyst: JG  
 Percent Solids: 78%

Extraction Method: EPA 3546  
 Extraction Date: 07/27/23 21:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenanthrene	4500000		ug/kg	190000	39000	500

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-02 D  
 Client ID: SS-BCP-22-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:15  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/29/23 17:18  
 Analyst: LJG  
 Percent Solids: 78%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 20:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
3-Methylphenol/4-Methylphenol	2000		ug/l	120	14.	5

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-02 D  
 Client ID: SS-BCP-22-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:15  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 08/01/23 14:32  
 Analyst: JG  
 Percent Solids: 78%

Extraction Method: EPA 3546  
 Extraction Date: 07/27/23 21:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	79000		ug/kg	51000	6600	100
Hexachlorobenzene	ND		ug/kg	38000	7200	100
Bis(2-chloroethyl)ether	ND		ug/kg	58000	8700	100
2-Chloronaphthalene	ND		ug/kg	64000	6400	100
3,3'-Dichlorobenzidine	ND		ug/kg	64000	17000	100
2,4-Dinitrotoluene	ND		ug/kg	64000	13000	100
2,6-Dinitrotoluene	ND		ug/kg	64000	11000	100
Fluoranthene	1600000		ug/kg	38000	7400	100
4-Chlorophenyl phenyl ether	ND		ug/kg	64000	6900	100
4-Bromophenyl phenyl ether	ND		ug/kg	64000	9800	100
Bis(2-chloroisopropyl)ether	ND		ug/kg	77000	11000	100
Bis(2-chloroethoxy)methane	ND		ug/kg	69000	6400	100
Hexachlorobutadiene	ND		ug/kg	64000	9400	100
Hexachlorocyclopentadiene	ND		ug/kg	180000	58000	100
Hexachloroethane	ND		ug/kg	51000	10000	100
Isophorone	ND		ug/kg	58000	8300	100
Naphthalene	2000000		ug/kg	64000	7800	100
Nitrobenzene	ND		ug/kg	58000	9500	100
NDPA/DPA	ND		ug/kg	51000	7300	100
n-Nitrosodi-n-propylamine	ND		ug/kg	64000	9900	100
Bis(2-ethylhexyl)phthalate	ND		ug/kg	64000	22000	100
Butyl benzyl phthalate	ND		ug/kg	64000	16000	100
Di-n-butylphthalate	ND		ug/kg	64000	12000	100
Di-n-octylphthalate	ND		ug/kg	64000	22000	100
Diethyl phthalate	ND		ug/kg	64000	5900	100
Dimethyl phthalate	ND		ug/kg	64000	13000	100
Benzo(a)anthracene	810000		ug/kg	38000	7200	100
Benzo(a)pyrene	580000		ug/kg	51000	16000	100



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-02 D  
 Client ID: SS-BCP-22-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:15  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Benzo(b)fluoranthene	750000		ug/kg	38000	11000	100
Benzo(k)fluoranthene	250000		ug/kg	38000	10000	100
Chrysene	680000		ug/kg	38000	6700	100
Acenaphthylene	980000		ug/kg	51000	9900	100
Anthracene	490000		ug/kg	38000	12000	100
Benzo(ghi)perylene	280000		ug/kg	51000	7600	100
Fluorene	1200000		ug/kg	64000	6200	100
Phenanthrene	2900000	E	ug/kg	38000	7800	100
Dibenzo(a,h)anthracene	100000		ug/kg	38000	7400	100
Indeno(1,2,3-cd)pyrene	320000		ug/kg	51000	9000	100
Pyrene	1100000		ug/kg	38000	6400	100
Biphenyl	150000		ug/kg	150000	8300	100
4-Chloroaniline	ND		ug/kg	64000	12000	100
2-Nitroaniline	ND		ug/kg	64000	12000	100
3-Nitroaniline	ND		ug/kg	64000	12000	100
4-Nitroaniline	ND		ug/kg	64000	26000	100
Dibenzofuran	700000		ug/kg	64000	6100	100
2-Methylnaphthalene	590000		ug/kg	77000	7800	100
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	64000	6700	100
Acetophenone	ND		ug/kg	64000	8000	100
2,4,6-Trichlorophenol	ND		ug/kg	38000	12000	100
p-Chloro-m-cresol	ND		ug/kg	64000	9600	100
2-Chlorophenol	ND		ug/kg	64000	7600	100
2,4-Dichlorophenol	ND		ug/kg	58000	10000	100
2,4-Dimethylphenol	ND		ug/kg	64000	21000	100
2-Nitrophenol	ND		ug/kg	140000	24000	100
4-Nitrophenol	ND		ug/kg	90000	26000	100
2,4-Dinitrophenol	ND		ug/kg	310000	30000	100
4,6-Dinitro-o-cresol	ND		ug/kg	170000	31000	100
Pentachlorophenol	ND		ug/kg	51000	14000	100
Phenol	16000	J	ug/kg	64000	9700	100
2-Methylphenol	16000	J	ug/kg	64000	10000	100
3-Methylphenol/4-Methylphenol	39000	J	ug/kg	92000	10000	100
2,4,5-Trichlorophenol	ND		ug/kg	64000	12000	100
Carbazole	370000		ug/kg	64000	6200	100
Atrazine	ND		ug/kg	51000	22000	100
Benzaldehyde	ND		ug/kg	85000	17000	100

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-02 D  
 Client ID: SS-BCP-22-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:15  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	64000	20000	100
2,3,4,6-Tetrachlorophenol	ND		ug/kg	64000	13000	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	25-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	0	Q	23-120
2-Fluorobiphenyl	0	Q	30-120
2,4,6-Tribromophenol	0	Q	10-136
4-Terphenyl-d14	0	Q	18-120

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-03  
 Client ID: SS-BCP-23-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 12:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/24/23 17:51  
 Analyst: JG  
 Percent Solids: 76%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 20:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	1500	E	ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	2200	E	ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	11	J	ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		21-120
Phenol-d6	74		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	112		10-120
4-Terphenyl-d14	83		33-120

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-03 D2  
 Client ID: SS-BCP-23-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 12:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 08/01/23 14:56  
 Analyst: JG  
 Percent Solids: 76%

Extraction Method: EPA 3546  
 Extraction Date: 07/27/23 21:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	10000000		ug/kg	650000	79000	1000

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-03 D  
 Client ID: SS-BCP-23-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 12:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/29/23 17:00  
 Analyst: LJG  
 Percent Solids: 76%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 20:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
2-Methylphenol	1000		ug/l	120	28.	5
3-Methylphenol/4-Methylphenol	1500		ug/l	120	14.	5

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-03 D  
 Client ID: SS-BCP-23-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 12:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/31/23 14:57  
 Analyst: SZ  
 Percent Solids: 76%

Extraction Method: EPA 3546  
 Extraction Date: 07/27/23 21:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	100000	13000	200
Hexachlorobenzene	ND		ug/kg	78000	14000	200
Bis(2-chloroethyl)ether	ND		ug/kg	120000	18000	200
2-Chloronaphthalene	ND		ug/kg	130000	13000	200
3,3'-Dichlorobenzidine	ND		ug/kg	130000	34000	200
2,4-Dinitrotoluene	ND		ug/kg	130000	26000	200
2,6-Dinitrotoluene	ND		ug/kg	130000	22000	200
Fluoranthene	2000000		ug/kg	78000	15000	200
4-Chlorophenyl phenyl ether	ND		ug/kg	130000	14000	200
4-Bromophenyl phenyl ether	ND		ug/kg	130000	20000	200
Bis(2-chloroisopropyl)ether	ND		ug/kg	160000	22000	200
Bis(2-chloroethoxy)methane	ND		ug/kg	140000	13000	200
Hexachlorobutadiene	ND		ug/kg	130000	19000	200
Hexachlorocyclopentadiene	ND		ug/kg	370000	120000	200
Hexachloroethane	ND		ug/kg	100000	21000	200
Isophorone	ND		ug/kg	120000	17000	200
Naphthalene	8600000	E	ug/kg	130000	16000	200
Nitrobenzene	ND		ug/kg	120000	19000	200
NDPA/DPA	ND		ug/kg	100000	15000	200
n-Nitrosodi-n-propylamine	ND		ug/kg	130000	20000	200
Bis(2-ethylhexyl)phthalate	ND		ug/kg	130000	45000	200
Butyl benzyl phthalate	ND		ug/kg	130000	33000	200
Di-n-butylphthalate	ND		ug/kg	130000	24000	200
Di-n-octylphthalate	ND		ug/kg	130000	44000	200
Diethyl phthalate	ND		ug/kg	130000	12000	200
Dimethyl phthalate	ND		ug/kg	130000	27000	200
Benzo(a)anthracene	880000		ug/kg	78000	15000	200
Benzo(a)pyrene	570000		ug/kg	100000	32000	200

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-03 D  
 Client ID: SS-BCP-23-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 12:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Benzo(b)fluoranthene	750000		ug/kg	78000	22000	200
Benzo(k)fluoranthene	210000		ug/kg	78000	21000	200
Chrysene	860000		ug/kg	78000	13000	200
Acenaphthylene	1400000		ug/kg	100000	20000	200
Anthracene	1000000		ug/kg	78000	25000	200
Benzo(ghi)perylene	220000		ug/kg	100000	15000	200
Fluorene	1200000		ug/kg	130000	13000	200
Phenanthrene	2900000		ug/kg	78000	16000	200
Dibenzo(a,h)anthracene	79000		ug/kg	78000	15000	200
Indeno(1,2,3-cd)pyrene	270000		ug/kg	100000	18000	200
Pyrene	1300000		ug/kg	78000	13000	200
Biphenyl	230000	J	ug/kg	300000	17000	200
4-Chloroaniline	ND		ug/kg	130000	24000	200
2-Nitroaniline	ND		ug/kg	130000	25000	200
3-Nitroaniline	ND		ug/kg	130000	24000	200
4-Nitroaniline	ND		ug/kg	130000	54000	200
Dibenzofuran	790000		ug/kg	130000	12000	200
2-Methylnaphthalene	1600000		ug/kg	160000	16000	200
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	130000	14000	200
Acetophenone	ND		ug/kg	130000	16000	200
2,4,6-Trichlorophenol	ND		ug/kg	78000	24000	200
p-Chloro-m-cresol	ND		ug/kg	130000	19000	200
2-Chlorophenol	ND		ug/kg	130000	15000	200
2,4-Dichlorophenol	ND		ug/kg	120000	21000	200
2,4-Dimethylphenol	120000	J	ug/kg	130000	43000	200
2-Nitrophenol	ND		ug/kg	280000	49000	200
4-Nitrophenol	ND		ug/kg	180000	53000	200
2,4-Dinitrophenol	ND		ug/kg	620000	60000	200
4,6-Dinitro-o-cresol	ND		ug/kg	340000	62000	200
Pentachlorophenol	ND		ug/kg	100000	28000	200
Phenol	200000		ug/kg	130000	20000	200
2-Methylphenol	190000		ug/kg	130000	20000	200
3-Methylphenol/4-Methylphenol	360000		ug/kg	190000	20000	200
2,4,5-Trichlorophenol	ND		ug/kg	130000	25000	200
Carbazole	560000		ug/kg	130000	13000	200
Atrazine	ND		ug/kg	100000	45000	200
Benzaldehyde	ND		ug/kg	170000	35000	200

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-03 D  
 Client ID: SS-BCP-23-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 12:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	130000	39000	200
2,3,4,6-Tetrachlorophenol	ND		ug/kg	130000	26000	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	25-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	0	Q	23-120
2-Fluorobiphenyl	0	Q	30-120
2,4,6-Tribromophenol	0	Q	10-136
4-Terphenyl-d14	0	Q	18-120



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-04  
 Client ID: SS-BCP-24-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:35  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/22/23 15:03  
 Analyst: JG  
 Percent Solids: 76%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 15:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	2000	E	ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	4800	E	ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	7.8	J	ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		21-120
Phenol-d6	67		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	109		10-120
4-Terphenyl-d14	83		33-120

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-04 D2  
 Client ID: SS-BCP-24-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:35  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 08/01/23 15:20  
 Analyst: JG  
 Percent Solids: 76%

Extraction Method: EPA 3546  
 Extraction Date: 07/27/23 21:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	2600000		ug/kg	220000	26000	1000
Phenanthrene	2100000		ug/kg	130000	26000	1000

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-04 D  
 Client ID: SS-BCP-24-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:35  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/24/23 06:45  
 Analyst: JG  
 Percent Solids: 76%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 15:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
2-Methylphenol	2900		ug/l	250	55.	10
3-Methylphenol/4-Methylphenol	7000		ug/l	250	28.	10

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-04 D  
 Client ID: SS-BCP-24-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:35  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/31/23 15:21  
 Analyst: SZ  
 Percent Solids: 76%

Extraction Method: EPA 3546  
 Extraction Date: 07/27/23 21:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	54000		ug/kg	34000	4500	200
Hexachlorobenzene	ND		ug/kg	26000	4800	200
Bis(2-chloroethyl)ether	ND		ug/kg	39000	5900	200
2-Chloronaphthalene	ND		ug/kg	43000	4300	200
3,3'-Dichlorobenzidine	ND		ug/kg	43000	11000	200
2,4-Dinitrotoluene	ND		ug/kg	43000	8600	200
2,6-Dinitrotoluene	ND		ug/kg	43000	7400	200
Fluoranthene	1500000		ug/kg	26000	5000	200
4-Chlorophenyl phenyl ether	ND		ug/kg	43000	4600	200
4-Bromophenyl phenyl ether	ND		ug/kg	43000	6600	200
Bis(2-chloroisopropyl)ether	ND		ug/kg	52000	7400	200
Bis(2-chloroethoxy)methane	ND		ug/kg	47000	4300	200
Hexachlorobutadiene	ND		ug/kg	43000	6300	200
Hexachlorocyclopentadiene	ND		ug/kg	120000	39000	200
Hexachloroethane	ND		ug/kg	34000	7000	200
Isophorone	ND		ug/kg	39000	5600	200
Naphthalene	2200000	E	ug/kg	43000	5300	200
Nitrobenzene	ND		ug/kg	39000	6400	200
NDPA/DPA	ND		ug/kg	34000	4900	200
n-Nitrosodi-n-propylamine	ND		ug/kg	43000	6700	200
Bis(2-ethylhexyl)phthalate	ND		ug/kg	43000	15000	200
Butyl benzyl phthalate	ND		ug/kg	43000	11000	200
Di-n-butylphthalate	ND		ug/kg	43000	8200	200
Di-n-octylphthalate	ND		ug/kg	43000	15000	200
Diethyl phthalate	ND		ug/kg	43000	4000	200
Dimethyl phthalate	ND		ug/kg	43000	9100	200
Benzo(a)anthracene	560000		ug/kg	26000	4900	200
Benzo(a)pyrene	490000		ug/kg	34000	10000	200

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-04 D  
 Client ID: SS-BCP-24-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:35  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Benzo(b)fluoranthene	640000		ug/kg	26000	7300	200
Benzo(k)fluoranthene	120000		ug/kg	26000	6900	200
Chrysene	540000		ug/kg	26000	4500	200
Acenaphthylene	420000		ug/kg	34000	6700	200
Anthracene	460000		ug/kg	26000	8400	200
Benzo(ghi)perylene	290000		ug/kg	34000	5100	200
Fluorene	600000		ug/kg	43000	4200	200
Phenanthrene	1900000	E	ug/kg	26000	5200	200
Dibenzo(a,h)anthracene	60000		ug/kg	26000	5000	200
Indeno(1,2,3-cd)pyrene	310000		ug/kg	34000	6000	200
Pyrene	1000000		ug/kg	26000	4300	200
Biphenyl	83000	J	ug/kg	98000	5600	200
4-Chloroaniline	ND		ug/kg	43000	7900	200
2-Nitroaniline	ND		ug/kg	43000	8300	200
3-Nitroaniline	ND		ug/kg	43000	8200	200
4-Nitroaniline	ND		ug/kg	43000	18000	200
Dibenzofuran	350000		ug/kg	43000	4100	200
2-Methylnaphthalene	410000		ug/kg	52000	5200	200
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	43000	4500	200
Acetophenone	ND		ug/kg	43000	5400	200
2,4,6-Trichlorophenol	ND		ug/kg	26000	8200	200
p-Chloro-m-cresol	ND		ug/kg	43000	6400	200
2-Chlorophenol	ND		ug/kg	43000	5100	200
2,4-Dichlorophenol	ND		ug/kg	39000	7000	200
2,4-Dimethylphenol	24000	J	ug/kg	43000	14000	200
2-Nitrophenol	ND		ug/kg	93000	16000	200
4-Nitrophenol	ND		ug/kg	60000	18000	200
2,4-Dinitrophenol	ND		ug/kg	210000	20000	200
4,6-Dinitro-o-cresol	ND		ug/kg	110000	21000	200
Pentachlorophenol	ND		ug/kg	34000	9500	200
Phenol	22000	J	ug/kg	43000	6500	200
2-Methylphenol	18000	J	ug/kg	43000	6700	200
3-Methylphenol/4-Methylphenol	42000	J	ug/kg	62000	6800	200
2,4,5-Trichlorophenol	ND		ug/kg	43000	8300	200
Carbazole	320000		ug/kg	43000	4200	200
Atrazine	ND		ug/kg	34000	15000	200
Benzaldehyde	ND		ug/kg	57000	12000	200

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-04 D  
 Client ID: SS-BCP-24-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:35  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	43000	13000	200
2,3,4,6-Tetrachlorophenol	ND		ug/kg	43000	8700	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	25-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	0	Q	23-120
2-Fluorobiphenyl	0	Q	30-120
2,4,6-Tribromophenol	0	Q	10-136
4-Terphenyl-d14	0	Q	18-120

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-05 D2  
 Client ID: SS-BCP-25-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 08/01/23 12:34  
 Analyst: JG  
 Percent Solids: 72%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 20:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
3-Methylphenol/4-Methylphenol	23000		ug/l	2500	280	100

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-05 D2  
 Client ID: SS-BCP-25-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 08/01/23 17:15  
 Analyst: MG  
 Percent Solids: 72%

Extraction Method: EPA 3546  
 Extraction Date: 07/27/23 22:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Fluoranthene	6400000		ug/kg	790000	150000	1000
Naphthalene	14000000		ug/kg	1300000	160000	1000
Benzo(a)anthracene	2400000		ug/kg	790000	150000	1000
Benzo(a)pyrene	2100000		ug/kg	1000000	320000	1000
Benzo(b)fluoranthene	2600000		ug/kg	790000	220000	1000
Chrysene	2800000		ug/kg	790000	140000	1000
Acenaphthylene	3600000		ug/kg	1000000	200000	1000
Anthracene	2900000		ug/kg	790000	260000	1000
Fluorene	3200000		ug/kg	1300000	130000	1000
Phenanthrene	9100000		ug/kg	790000	160000	1000
Indeno(1,2,3-cd)pyrene	1400000		ug/kg	1000000	180000	1000
Pyrene	4200000		ug/kg	790000	130000	1000
Dibenzofuran	2000000		ug/kg	1300000	120000	1000
2-Methylnaphthalene	2500000		ug/kg	1600000	160000	1000
Carbazole	1600000		ug/kg	1300000	130000	1000



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-05 D  
 Client ID: SS-BCP-25-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/29/23 16:42  
 Analyst: LJJ  
 Percent Solids: 72%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 20:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	200	69.	20
2,4-Dinitrotoluene	ND		ug/l	500	38.	20
Hexachlorobutadiene	ND		ug/l	200	60.	20
Hexachloroethane	ND		ug/l	200	44.	20
Nitrobenzene	ND		ug/l	200	66.	20
2,4,6-Trichlorophenol	ND		ug/l	500	49.	20
Pentachlorophenol	ND		ug/l	1000	200	20
2-Methylphenol	8200		ug/l	500	110	20
3-Methylphenol/4-Methylphenol	22000	E	ug/l	500	55.	20
2,4,5-Trichlorophenol	ND		ug/l	500	38.	20
Pyridine	ND		ug/l	350	90.	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	21-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	0	Q	23-120
2-Fluorobiphenyl	0	Q	15-120
2,4,6-Tribromophenol	0	Q	10-120
4-Terphenyl-d14	0	Q	33-120

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-05 D  
 Client ID: SS-BCP-25-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/31/23 15:45  
 Analyst: SZ  
 Percent Solids: 72%

Extraction Method: EPA 3546  
 Extraction Date: 07/27/23 22:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	470000		ug/kg	21000	2700	20
Hexachlorobenzene	ND		ug/kg	16000	3000	20
Bis(2-chloroethyl)ether	ND		ug/kg	24000	3600	20
2-Chloronaphthalene	ND		ug/kg	26000	2600	20
3,3'-Dichlorobenzidine	ND		ug/kg	26000	7000	20
2,4-Dinitrotoluene	ND		ug/kg	26000	5300	20
2,6-Dinitrotoluene	ND		ug/kg	26000	4500	20
Fluoranthene	3200000	E	ug/kg	16000	3000	20
4-Chlorophenyl phenyl ether	ND		ug/kg	26000	2800	20
4-Bromophenyl phenyl ether	ND		ug/kg	26000	4000	20
Bis(2-chloroisopropyl)ether	ND		ug/kg	32000	4500	20
Bis(2-chloroethoxy)methane	ND		ug/kg	28000	2600	20
Hexachlorobutadiene	ND		ug/kg	26000	3900	20
Hexachlorocyclopentadiene	ND		ug/kg	76000	24000	20
Hexachloroethane	ND		ug/kg	21000	4300	20
Isophorone	ND		ug/kg	24000	3400	20
Naphthalene	5100000	E	ug/kg	26000	3200	20
Nitrobenzene	ND		ug/kg	24000	3900	20
NDPA/DPA	ND		ug/kg	21000	3000	20
n-Nitrosodi-n-propylamine	ND		ug/kg	26000	4100	20
Bis(2-ethylhexyl)phthalate	ND		ug/kg	26000	9100	20
Butyl benzyl phthalate	ND		ug/kg	26000	6700	20
Di-n-butylphthalate	ND		ug/kg	26000	5000	20
Di-n-octylphthalate	ND		ug/kg	26000	9000	20
Diethyl phthalate	ND		ug/kg	26000	2400	20
Dimethyl phthalate	ND		ug/kg	26000	5600	20
Benzo(a)anthracene	2500000	E	ug/kg	16000	3000	20
Benzo(a)pyrene	1700000	E	ug/kg	21000	6400	20

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-05 D  
 Client ID: SS-BCP-25-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Benzo(b)fluoranthene	2200000	E	ug/kg	16000	4400	20
Benzo(k)fluoranthene	450000		ug/kg	16000	4200	20
Chrysene	2100000	E	ug/kg	16000	2700	20
Acenaphthylene	2400000	E	ug/kg	21000	4100	20
Anthracene	1800000	E	ug/kg	16000	5200	20
Benzo(ghi)perylene	970000		ug/kg	21000	3100	20
Fluorene	2800000	E	ug/kg	26000	2600	20
Phenanthrene	4100000	E	ug/kg	16000	3200	20
Dibenzo(a,h)anthracene	320000		ug/kg	16000	3000	20
Indeno(1,2,3-cd)pyrene	1200000	E	ug/kg	21000	3700	20
Pyrene	2600000	E	ug/kg	16000	2600	20
Biphenyl	520000		ug/kg	60000	3400	20
4-Chloroaniline	ND		ug/kg	26000	4800	20
2-Nitroaniline	ND		ug/kg	26000	5100	20
3-Nitroaniline	ND		ug/kg	26000	5000	20
4-Nitroaniline	ND		ug/kg	26000	11000	20
Dibenzofuran	1800000	E	ug/kg	26000	2500	20
2-Methylnaphthalene	2300000	E	ug/kg	32000	3200	20
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	26000	2800	20
Acetophenone	ND		ug/kg	26000	3300	20
2,4,6-Trichlorophenol	ND		ug/kg	16000	5000	20
p-Chloro-m-cresol	ND		ug/kg	26000	3900	20
2-Chlorophenol	ND		ug/kg	26000	3100	20
2,4-Dichlorophenol	ND		ug/kg	24000	4200	20
2,4-Dimethylphenol	160000		ug/kg	26000	8700	20
2-Nitrophenol	ND		ug/kg	57000	9900	20
4-Nitrophenol	ND		ug/kg	37000	11000	20
2,4-Dinitrophenol	ND		ug/kg	130000	12000	20
4,6-Dinitro-o-cresol	ND		ug/kg	69000	13000	20
Pentachlorophenol	ND		ug/kg	21000	5800	20
Phenol	610000		ug/kg	26000	4000	20
2-Methylphenol	260000		ug/kg	26000	4100	20
3-Methylphenol/4-Methylphenol	690000		ug/kg	38000	4100	20
2,4,5-Trichlorophenol	ND		ug/kg	26000	5100	20
Carbazole	1500000	E	ug/kg	26000	2600	20
Atrazine	ND		ug/kg	21000	9200	20
Benzaldehyde	ND		ug/kg	35000	7100	20

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-05 D  
 Client ID: SS-BCP-25-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	26000	8000	20
2,3,4,6-Tetrachlorophenol	ND		ug/kg	26000	5300	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	25-120
Phenol-d6	0	Q	10-120
Nitrobenzene-d5	0	Q	23-120
2-Fluorobiphenyl	0	Q	30-120
2,4,6-Tribromophenol	0	Q	10-136
4-Terphenyl-d14	0	Q	18-120

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-06  
 Client ID: SS-BCP-21-02-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:45  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/22/23 15:27  
 Analyst: JG  
 Percent Solids: 90%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 15:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	ND		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	8.7	J	ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	74		33-120

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-07  
 Client ID: SS-BCP-21-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:50  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/22/23 15:50  
 Analyst: JG  
 Percent Solids: 86%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 15:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	ND		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	11	J	ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		21-120
Phenol-d6	63		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	103		10-120
4-Terphenyl-d14	80		33-120

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-08  
 Client ID: SS-BCP-21-06-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:55  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/22/23 16:14  
 Analyst: JG  
 Percent Solids: 89%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 15:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	ND		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	11	J	ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		21-120
Phenol-d6	70		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	107		10-120
4-Terphenyl-d14	83		33-120

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-09  
 Client ID: SS-BCP-22-02-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/24/23 18:38  
 Analyst: JG  
 Percent Solids: 84%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 20:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	970		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	2600	E	ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	66		33-120



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-09 D  
 Client ID: SS-BCP-22-02-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/29/23 16:23  
 Analyst: LJG  
 Percent Solids: 84%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 20:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
3-Methylphenol/4-Methylphenol	2500		ug/l	120	14.	5

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-10  
 Client ID: SS-BCP-22-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:02  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/24/23 19:02  
 Analyst: JG  
 Percent Solids: 85%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 20:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	1200	E	ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	3200	E	ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	91		21-120
Phenol-d6	84		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	92		15-120
2,4,6-Tribromophenol	121	Q	10-120
4-Terphenyl-d14	90		33-120

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-10 D  
 Client ID: SS-BCP-22-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:02  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/29/23 16:05  
 Analyst: LJG  
 Percent Solids: 85%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 20:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
2-Methylphenol	1300		ug/l	120	28.	5
3-Methylphenol/4-Methylphenol	3400		ug/l	120	14.	5

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-11  
 Client ID: SS-BCP-22-06-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:06  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/24/23 17:08  
 Analyst: JG  
 Percent Solids: 85%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 20:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	980		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	2100	E	ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		21-120
Phenol-d6	73		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	69		33-120

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-11 D  
 Client ID: SS-BCP-22-06-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:06  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/29/23 15:47  
 Analyst: LJG  
 Percent Solids: 85%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 20:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
3-Methylphenol/4-Methylphenol	1900		ug/l	120	14.	5

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-12  
 Client ID: SS-BCP-23-02-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:39  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/22/23 16:37  
 Analyst: JG  
 Percent Solids: 89%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 15:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	1000		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	1600	E	ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	4.9	J	ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	63		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	107		10-120
4-Terphenyl-d14	80		33-120

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-12 D  
 Client ID: SS-BCP-23-02-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:39  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/24/23 04:31  
 Analyst: JG  
 Percent Solids: 89%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 15:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
3-Methylphenol/4-Methylphenol	2700		ug/l	120	14.	5

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-13  
 Client ID: SS-BCP-23-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:41  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/22/23 17:01  
 Analyst: JG  
 Percent Solids: 91%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 15:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	1200	E	ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	2400	E	ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	5.8	J	ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	62		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	73		33-120



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-13 D  
 Client ID: SS-BCP-23-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:41  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/24/23 06:29  
 Analyst: JG  
 Percent Solids: 91%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 15:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
2-Methylphenol	1300		ug/l	120	28.	5
3-Methylphenol/4-Methylphenol	2100		ug/l	120	14.	5

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-14  
 Client ID: SS-BCP-23-06-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:44  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/24/23 17:33  
 Analyst: JG  
 Percent Solids: 87%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 15:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	1100	E	ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	2500	E	ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	8.5	J	ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	60		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	63		10-120
4-Terphenyl-d14	67		33-120

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-14 D  
 Client ID: SS-BCP-23-06-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:44  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 08/01/23 11:23  
 Analyst: JG  
 Percent Solids: 87%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 15:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
2-Methylphenol	1400		ug/l	250	55.	10
3-Methylphenol/4-Methylphenol	3000		ug/l	250	28.	10

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-15  
 Client ID: SS-BCP-24-02-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:35  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/24/23 17:58  
 Analyst: JG  
 Percent Solids: 87%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 20:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	2100	E	ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	5300	E	ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	68		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	66		33-120

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-15 D  
 Client ID: SS-BCP-24-02-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:35  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 08/01/23 12:58  
 Analyst: JG  
 Percent Solids: 87%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 20:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
2-Methylphenol	2300		ug/l	500	110	20
3-Methylphenol/4-Methylphenol	5900		ug/l	500	55.	20

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-16  
 Client ID: SS-BCP-24-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:38  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/24/23 18:22  
 Analyst: JG  
 Percent Solids: 85%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 20:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	3000	E	ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	7000	E	ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	69		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	66		33-120

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-16 D  
 Client ID: SS-BCP-24-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:38  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 08/01/23 13:21  
 Analyst: JG  
 Percent Solids: 85%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 20:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
2-Methylphenol	3500		ug/l	500	110	20
3-Methylphenol/4-Methylphenol	8500		ug/l	500	55.	20

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-17  
 Client ID: SS-BCP-24-06-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:40  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 07/24/23 18:46  
 Analyst: JG  
 Percent Solids: 86%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 20:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	4000	E	ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	9400	E	ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	97		21-120
Phenol-d6	95		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	94		33-120



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-17 D  
 Client ID: SS-BCP-24-06-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:40  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270E  
 Analytical Date: 08/01/23 13:45  
 Analyst: JG  
 Percent Solids: 86%

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 20:15

TCLP/SPLP Ext. Date: 07/20/23 04:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
2-Methylphenol	3900		ug/l	500	110	20
3-Methylphenol/4-Methylphenol	9000		ug/l	500	55.	20

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270E  
Analytical Date: 07/22/23 07:38  
Analyst: CMM  
TCLP/SPLP Extraction Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
Extraction Date: 07/21/23 15:22

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 04,06-08,12-14 Batch: WG1806245-1					
Hexachlorobenzene	ND		ug/l	10	3.4
2,4-Dinitrotoluene	ND		ug/l	25	1.9
Hexachlorobutadiene	ND		ug/l	10	3.0
Hexachloroethane	ND		ug/l	10	2.2
Nitrobenzene	ND		ug/l	10	3.3
2,4,6-Trichlorophenol	ND		ug/l	25	2.5
Pentachlorophenol	ND		ug/l	50	9.8
2-Methylphenol	ND		ug/l	25	5.5
3-Methylphenol/4-Methylphenol	ND		ug/l	25	2.8
2,4,5-Trichlorophenol	ND		ug/l	25	1.9
Pyridine	ND		ug/l	18	4.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	76		33-120

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270E  
Analytical Date: 07/22/23 11:40  
Analyst: CMM  
TCLP/SPLP Extraction Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
Extraction Date: 07/21/23 20:15

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 01-03,05,09-11,15-17 Batch: WG1806314-1					
Hexachlorobenzene	ND		ug/l	10	3.4
2,4-Dinitrotoluene	ND		ug/l	25	1.9
Hexachlorobutadiene	ND		ug/l	10	3.0
Hexachloroethane	ND		ug/l	10	2.2
Nitrobenzene	ND		ug/l	10	3.3
2,4,6-Trichlorophenol	ND		ug/l	25	2.5
Pentachlorophenol	ND		ug/l	50	9.8
2-Methylphenol	ND		ug/l	25	5.5
3-Methylphenol/4-Methylphenol	ND		ug/l	25	2.8
2,4,5-Trichlorophenol	ND		ug/l	25	1.9
Pyridine	ND		ug/l	18	4.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	91		21-120
Phenol-d6	81		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	90		33-120

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270E  
Analytical Date: 07/27/23 22:26  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 07/27/23 12:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1808566-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	18.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	97	27.

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270E  
Analytical Date: 07/27/23 22:26  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 07/27/23 12:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1808566-1					
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	22.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	29.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	140	26.
2,4-Dimethylphenol	ND		ug/kg	160	53.
2-Nitrophenol	ND		ug/kg	350	61.
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	75.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270E  
Analytical Date: 07/27/23 22:26  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 07/27/23 12:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatiles Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1808566-1					
Phenol	85	J	ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	210	44.
Caprolactam	ND		ug/kg	160	49.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	52		10-136
4-Terphenyl-d14	57		18-120

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 04,06-08,12-14 Batch: WG1806245-2 WG1806245-3								
Hexachlorobenzene	72		61		40-140	17		30
2,4-Dinitrotoluene	73		64		40-132	13		30
Hexachlorobutadiene	58		49		28-111	17		30
Hexachloroethane	52		44		21-105	17		30
Nitrobenzene	59		50		40-140	17		30
2,4,6-Trichlorophenol	73		64		30-130	13		30
Pentachlorophenol	80		66		9-103	19		30
2-Methylphenol	64		56		30-130	13		30
3-Methylphenol/4-Methylphenol	72		60		30-130	18		30
2,4,5-Trichlorophenol	73		63		30-130	15		30
Pyridine	40		20		10-66	67	Q	30

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	64		56		21-120
Phenol-d6	58		52		10-120
Nitrobenzene-d5	61		55		23-120
2-Fluorobiphenyl	67		62		15-120
2,4,6-Tribromophenol	90		80		10-120
4-Terphenyl-d14	71		63		33-120

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-03,05,09-11,15-17 Batch: WG1806314-2 WG1806314-3								
Hexachlorobenzene	63		73		40-140	15		30
2,4-Dinitrotoluene	72		81		40-132	12		30
Hexachlorobutadiene	52		58		28-111	11		30
Hexachloroethane	56		61		21-105	9		30
Nitrobenzene	68		76		40-140	11		30
2,4,6-Trichlorophenol	64		74		30-130	14		30
Pentachlorophenol	81		96		9-103	17		30
2-Methylphenol	72		82		30-130	13		30
3-Methylphenol/4-Methylphenol	71		84		30-130	17		30
2,4,5-Trichlorophenol	65		74		30-130	13		30
Pyridine	26		46		10-66	56	Q	30

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	74		83		21-120
Phenol-d6	68		77		10-120
Nitrobenzene-d5	71		82		23-120
2-Fluorobiphenyl	68		78		15-120
2,4,6-Tribromophenol	67		77		10-120
4-Terphenyl-d14	69		80		33-120



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1808566-2 WG1808566-3								
Acenaphthene	65		62		31-137	5		50
Hexachlorobenzene	64		57		40-140	12		50
Bis(2-chloroethyl)ether	66		62		40-140	6		50
2-Chloronaphthalene	62		58		40-140	7		50
3,3'-Dichlorobenzidine	50		47		40-140	6		50
2,4-Dinitrotoluene	70		64		40-132	9		50
2,6-Dinitrotoluene	62		57		40-140	8		50
Fluoranthene	68		63		40-140	8		50
4-Chlorophenyl phenyl ether	65		60		40-140	8		50
4-Bromophenyl phenyl ether	64		58		40-140	10		50
Bis(2-chloroisopropyl)ether	54		49		40-140	10		50
Bis(2-chloroethoxy)methane	68		62		40-117	9		50
Hexachlorobutadiene	51		50		40-140	2		50
Hexachlorocyclopentadiene	60		55		40-140	9		50
Hexachloroethane	56		53		40-140	6		50
Isophorone	64		58		40-140	10		50
Naphthalene	63		60		40-140	5		50
Nitrobenzene	67		60		40-140	11		50
NDPA/DPA	72		64		36-157	12		50
n-Nitrosodi-n-propylamine	68		62		32-121	9		50
Bis(2-ethylhexyl)phthalate	77		72		40-140	7		50
Butyl benzyl phthalate	75		72		40-140	4		50
Di-n-butylphthalate	76		70		40-140	8		50

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1808566-2 WG1808566-3								
Di-n-octylphthalate	76		74		40-140	3		50
Diethyl phthalate	72		67		40-140	7		50
Dimethyl phthalate	64		60		40-140	6		50
Benzo(a)anthracene	67		63		40-140	6		50
Benzo(a)pyrene	70		65		40-140	7		50
Benzo(b)fluoranthene	63		60		40-140	5		50
Benzo(k)fluoranthene	64		62		40-140	3		50
Chrysene	68		63		40-140	8		50
Acenaphthylene	70		62		40-140	12		50
Anthracene	72		67		40-140	7		50
Benzo(ghi)perylene	65		61		40-140	6		50
Fluorene	68		63		40-140	8		50
Phenanthrene	69		64		40-140	8		50
Dibenzo(a,h)anthracene	66		62		40-140	6		50
Indeno(1,2,3-cd)pyrene	65		62		40-140	5		50
Pyrene	68		63		35-142	8		50
Biphenyl	64		58		37-127	10		50
4-Chloroaniline	59		57		40-140	3		50
2-Nitroaniline	71		62		47-134	14		50
3-Nitroaniline	67		62		26-129	8		50
4-Nitroaniline	75		68		41-125	10		50
Dibenzofuran	69		62		40-140	11		50
2-Methylnaphthalene	63		59		40-140	7		50

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1808566-2 WG1808566-3								
1,2,4,5-Tetrachlorobenzene	57		52		40-117	9		50
Acetophenone	73		66		14-144	10		50
2,4,6-Trichlorophenol	64		57		30-130	12		50
p-Chloro-m-cresol	73		67		26-103	9		50
2-Chlorophenol	69		63		25-102	9		50
2,4-Dichlorophenol	69		61		30-130	12		50
2,4-Dimethylphenol	72		64		30-130	12		50
2-Nitrophenol	70		63		30-130	11		50
4-Nitrophenol	83		73		11-114	13		50
2,4-Dinitrophenol	67		55		4-130	20		50
4,6-Dinitro-o-cresol	78		66		10-130	17		50
Pentachlorophenol	76		67		17-109	13		50
Phenol	79		75		26-90	5		50
2-Methylphenol	71		65		30-130	9		50
3-Methylphenol/4-Methylphenol	74		72		30-130	3		50
2,4,5-Trichlorophenol	65		59		30-130	10		50
Carbazole	73		66		54-128	10		50
Atrazine	62		58		40-140	7		50
Benzaldehyde	72		68		40-140	6		50
Caprolactam	63		56		15-130	12		50
2,3,4,6-Tetrachlorophenol	68		60		40-140	13		50

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1808566-2 WG1808566-3								

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
2-Fluorophenol	69		65		25-120
Phenol-d6	69		62		10-120
Nitrobenzene-d5	64		59		23-120
2-Fluorobiphenyl	61		57		30-120
2,4,6-Tribromophenol	62		56		10-136
4-Terphenyl-d14	62		59		18-120

# PESTICIDES

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-01  
 Client ID: SS-BCP-21-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:55  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 07/22/23 15:46  
 Analyst: AR  
 Percent Solids: 74%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 21:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	84		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-01  
 Client ID: SS-BCP-21-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:55  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 07/22/23 17:21  
 Analyst: AKM  
 Percent Solids: 74%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40  
 Methylation Date: 07/22/23 06:20

Extraction Method: EPA 8151A  
 Extraction Date: 07/21/23 13:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	35		30-150	A
DCAA	35		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-02  
 Client ID: SS-BCP-22-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:15  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 07/22/23 15:58  
 Analyst: AR  
 Percent Solids: 78%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 21:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	108		30-150	A
Decachlorobiphenyl	100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	88		30-150	B



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-02  
 Client ID: SS-BCP-22-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:15  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 07/22/23 17:39  
 Analyst: AKM  
 Percent Solids: 78%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40  
 Methylation Date: 07/22/23 06:20

Extraction Method: EPA 8151A  
 Extraction Date: 07/21/23 13:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	42		30-150	A
DCAA	38		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-03  
 Client ID: SS-BCP-23-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 12:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 07/22/23 16:09  
 Analyst: AR  
 Percent Solids: 76%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 21:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	41		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-03  
 Client ID: SS-BCP-23-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 12:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 07/22/23 17:57  
 Analyst: AKM  
 Percent Solids: 76%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40  
 Methylation Date: 07/22/23 06:20

Extraction Method: EPA 8151A  
 Extraction Date: 07/21/23 13:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	42		30-150	A
DCAA	39		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-04  
 Client ID: SS-BCP-24-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:35  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 07/23/23 15:44  
 Analyst: EJJ  
 Percent Solids: 76%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 19:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	86		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-04  
 Client ID: SS-BCP-24-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:35  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 07/22/23 14:17  
 Analyst: AKM  
 Percent Solids: 76%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40  
 Methylation Date: 07/22/23 06:45

Extraction Method: EPA 8151A  
 Extraction Date: 07/21/23 11:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	55		30-150	A
DCAA	51		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-05  
 Client ID: SS-BCP-25-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 07/22/23 16:20  
 Analyst: AR  
 Percent Solids: 72%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 21:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	69		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-05  
 Client ID: SS-BCP-25-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 07/22/23 18:16  
 Analyst: AKM  
 Percent Solids: 72%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40  
 Methylation Date: 07/22/23 06:20

Extraction Method: EPA 8151A  
 Extraction Date: 07/21/23 13:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	50		30-150	A
DCAA	50		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-06  
 Client ID: SS-BCP-21-02-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:45  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 07/23/23 15:55  
 Analyst: EJJ  
 Percent Solids: 90%

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 19:05

TCLP/SPLP Ext. Date: 07/20/23 04:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	108		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	107		30-150	B



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-06  
 Client ID: SS-BCP-21-02-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:45  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 07/25/23 11:31  
 Analyst: AKM  
 Percent Solids: 90%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40  
 Methylation Date: 07/24/23 22:43

Extraction Method: EPA 8151A  
 Extraction Date: 07/24/23 10:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	40		30-150	A
DCAA	43		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-07  
 Client ID: SS-BCP-21-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:50  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 07/23/23 16:07  
 Analyst: EJJ  
 Percent Solids: 86%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 19:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	96		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-07  
 Client ID: SS-BCP-21-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:50  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 07/25/23 11:49  
 Analyst: AKM  
 Percent Solids: 86%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40  
 Methylation Date: 07/24/23 22:43

Extraction Method: EPA 8151A  
 Extraction Date: 07/24/23 10:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	38		30-150	A
DCAA	39		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-08  
 Client ID: SS-BCP-21-06-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:55  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 07/23/23 16:18  
 Analyst: EJJ  
 Percent Solids: 89%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 19:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	90		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-08  
 Client ID: SS-BCP-21-06-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:55  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 07/25/23 12:08  
 Analyst: AKM  
 Percent Solids: 89%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40  
 Methylation Date: 07/24/23 22:43

Extraction Method: EPA 8151A  
 Extraction Date: 07/24/23 10:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	50		30-150	A
DCAA	57		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-09  
 Client ID: SS-BCP-22-02-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 07/22/23 16:31  
 Analyst: AR  
 Percent Solids: 84%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 21:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	99		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-09  
 Client ID: SS-BCP-22-02-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 07/22/23 18:53  
 Analyst: AKM  
 Percent Solids: 84%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40  
 Methylation Date: 07/22/23 06:20

Extraction Method: EPA 8151A  
 Extraction Date: 07/21/23 13:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	49		30-150	A
DCAA	42		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-10  
 Client ID: SS-BCP-22-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:02  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 07/22/23 16:42  
 Analyst: AR  
 Percent Solids: 85%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 21:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	89		30-150	B



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-10  
 Client ID: SS-BCP-22-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:02  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 07/22/23 19:11  
 Analyst: AKM  
 Percent Solids: 85%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40  
 Methylation Date: 07/22/23 06:20

Extraction Method: EPA 8151A  
 Extraction Date: 07/21/23 13:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	42		30-150	A
DCAA	40		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-11  
 Client ID: SS-BCP-22-06-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:06  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 07/22/23 16:54  
 Analyst: AR  
 Percent Solids: 85%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 21:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	95		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-11  
 Client ID: SS-BCP-22-06-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:06  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 07/22/23 19:29  
 Analyst: AKM  
 Percent Solids: 85%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40  
 Methylation Date: 07/22/23 06:20

Extraction Method: EPA 8151A  
 Extraction Date: 07/21/23 13:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	41		30-150	A
DCAA	42		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-12  
 Client ID: SS-BCP-23-02-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:39  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 07/23/23 16:30  
 Analyst: EJJ  
 Percent Solids: 89%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 19:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	88		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-12  
 Client ID: SS-BCP-23-02-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:39  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 07/24/23 03:31  
 Analyst: EJJ  
 Percent Solids: 89%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40  
 Methylation Date: 07/22/23 06:45

Extraction Method: EPA 8151A  
 Extraction Date: 07/21/23 11:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	30		30-150	A
DCAA	23	Q	30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-13  
 Client ID: SS-BCP-23-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:41  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 07/23/23 16:41  
 Analyst: EJL  
 Percent Solids: 91%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 19:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	89		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-13  
 Client ID: SS-BCP-23-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:41  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 07/22/23 16:07  
 Analyst: AKM  
 Percent Solids: 91%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40  
 Methylation Date: 07/22/23 06:45

Extraction Method: EPA 8151A  
 Extraction Date: 07/21/23 11:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	53		30-150	A
DCAA	34		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-14  
 Client ID: SS-BCP-23-06-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:44  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 07/23/23 16:52  
 Analyst: EJJ  
 Percent Solids: 87%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 19:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	93		30-150	B



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-14  
 Client ID: SS-BCP-23-06-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:44  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 07/25/23 12:26  
 Analyst: AKM  
 Percent Solids: 87%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40  
 Methylation Date: 07/24/23 22:43

Extraction Method: EPA 8151A  
 Extraction Date: 07/24/23 10:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	43		30-150	A
DCAA	46		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-15  
 Client ID: SS-BCP-24-02-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:35  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 07/22/23 17:05  
 Analyst: AR  
 Percent Solids: 87%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 21:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	94		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-15  
 Client ID: SS-BCP-24-02-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:35  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 07/22/23 19:47  
 Analyst: AKM  
 Percent Solids: 87%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40  
 Methylation Date: 07/22/23 06:20

Extraction Method: EPA 8151A  
 Extraction Date: 07/21/23 13:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	65		30-150	A
DCAA	63		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-16  
 Client ID: SS-BCP-24-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:38  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 07/22/23 17:16  
 Analyst: AR  
 Percent Solids: 85%

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 21:57

TCLP/SPLP Ext. Date: 07/20/23 04:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	82		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-16  
 Client ID: SS-BCP-24-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:38  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 07/22/23 20:06  
 Analyst: AKM  
 Percent Solids: 85%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40  
 Methylation Date: 07/22/23 06:20

Extraction Method: EPA 8151A  
 Extraction Date: 07/21/23 13:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	48		30-150	A
DCAA	44		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-17  
 Client ID: SS-BCP-24-06-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:40  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 07/22/23 17:27  
 Analyst: AR  
 Percent Solids: 86%

Extraction Method: EPA 3510C  
 Extraction Date: 07/21/23 22:16

TCLP/SPLP Ext. Date: 07/20/23 04:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	112		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-17  
 Client ID: SS-BCP-24-06-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:40  
 Date Received: 07/18/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8151A  
 Analytical Date: 07/22/23 20:24  
 Analyst: AKM  
 Percent Solids: 86%  
 TCLP/SPLP Ext. Date: 07/20/23 04:40  
 Methylation Date: 07/22/23 06:20

Extraction Method: EPA 8151A  
 Extraction Date: 07/21/23 13:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	66		30-150	A
DCAA	53		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8151A  
Analytical Date: 07/22/23 10:19  
Analyst: AKM  
TCLP/SPLP Extraction Date: 07/20/23 04:40  
Methylation Date: 07/22/23 06:20

Extraction Method: EPA 8151A  
Extraction Date: 07/21/23 10:40

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 01-03,05,09-11,15-17 Batch: WG1806060-1						
2,4-D	ND		mg/l	0.025	0.001	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	A

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
DCAA	50		30-150	A
DCAA	52		30-150	B



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8151A  
Analytical Date: 07/22/23 11:14  
Analyst: AKM  
TCLP/SPLP Extraction Date: 07/20/23 04:40  
Methylation Date: 07/22/23 06:45

Extraction Method: EPA 8151A  
Extraction Date: 07/21/23 10:40

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 04,12-13 Batch: WG1806074-1						
2,4-D	ND		mg/l	0.025	0.001	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	47		30-150	A
DCAA	47		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 07/23/23 14:35  
Analyst: EJM  
TCLP/SPLP Extraction Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
Extraction Date: 07/21/23 19:05

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 04,06-08,12-14 Batch: WG1806303-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	70		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 07/22/23 14:05  
Analyst: AR  
TCLP/SPLP Extraction Date: 07/20/23 04:40

Extraction Method: EPA 3510C  
Extraction Date: 07/21/23 21:57

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 01-03,05,09-11,15-17 Batch: WG1806327-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	88		30-150	B

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8151A  
Analytical Date: 07/25/23 10:35  
Analyst: AKM  
TCLP/SPLP Extraction Date: 07/20/23 04:40  
Methylation Date: 07/24/23 22:43

Extraction Method: EPA 8151A  
Extraction Date: 07/24/23 10:34

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 06-08,14 Batch: WG1806915-1						
2,4-D	ND		mg/l	0.025	0.001	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	35		30-150	A
DCAA	40		30-150	B

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 01-03,05,09-11,15-17 Batch: WG1806060-2 WG1806060-3									
2,4-D	82		102		30-150	22		25	A
2,4,5-TP (Silvex)	35		36		30-150	3		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	33		35		30-150	A
DCAA	42		45		30-150	B

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 04,12-13 Batch: WG1806074-2 WG1806074-3									
2,4-D	114		82		30-150	33	Q	25	A
2,4,5-TP (Silvex)	42		43		30-150	2		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	47		49		30-150	A
DCAA	45		47		30-150	B

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 04,06-08,12-14 Batch: WG1806303-2 WG1806303-3									
Lindane	86		92		30-150	7		20	A
Heptachlor	87		94		30-150	8		20	A
Heptachlor epoxide	87		94		30-150	8		20	A
Endrin	91		99		30-150	8		20	A
Methoxychlor	90		98		30-150	8		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		77		30-150	A
Decachlorobiphenyl	92		99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		73		30-150	B
Decachlorobiphenyl	89		96		30-150	B

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 01-03,05,09-11,15-17 Batch: WG1806327-2 WG1806327-3									
Lindane	95		102		30-150	7		20	A
Heptachlor	102		108		30-150	6		20	A
Heptachlor epoxide	95		100		30-150	5		20	A
Endrin	95		99		30-150	4		20	A
Methoxychlor	123		128		30-150	4		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		86		30-150	A
Decachlorobiphenyl	107		112		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		86		30-150	B
Decachlorobiphenyl	94		98		30-150	B



### Lab Control Sample Analysis Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 06-08,14 Batch: WG1806915-2 WG1806915-3									
2,4-D	102		81		30-150	23		25	A
2,4,5-TP (Silvex)	56		47		30-150	17		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	54		46		30-150	A
DCAA	58		49		30-150	B

## METALS

**Project Name:** RITC**Lab Number:** L2341132**Project Number:** PD1WP BENCH SCALES**Report Date:** 08/10/23**SAMPLE RESULTS**

Lab ID: L2341132-01

Date Collected: 07/18/23 11:55

Client ID: SS-BCP-21-07182023

Date Received: 07/18/23

Sample Location: 3875 RIVER ROAD, TONAWANDA

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/20/23 04:40

Matrix: Soil

Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	07/21/23 20:32	08/04/23 13:27	EPA 3015	1,6010D	JTS
Barium, TCLP	0.394	J	mg/l	0.500	0.0210	1	07/21/23 20:32	08/04/23 13:27	EPA 3015	1,6010D	JTS
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/21/23 20:32	08/04/23 13:27	EPA 3015	1,6010D	JTS
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/21/23 20:32	08/04/23 13:27	EPA 3015	1,6010D	JTS
Lead, TCLP	ND		mg/l	0.500	0.0270	1	07/21/23 20:32	08/04/23 13:27	EPA 3015	1,6010D	JTS
Mercury, TCLP	0.0005	J	mg/l	0.0010	0.0005	1	07/21/23 16:40	08/10/23 11:14	EPA 7470A	1,7470A	MJR
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	07/21/23 20:32	08/04/23 13:27	EPA 3015	1,6010D	JTS
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/21/23 20:32	08/04/23 13:27	EPA 3015	1,6010D	JTS



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-01  
 Client ID: SS-BCP-21-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:55  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	5970		mg/kg	10.6	2.85	2	07/20/23 22:47	08/06/23 14:54	EPA 3050B	1,6010D	AMW
Antimony, Total	ND		mg/kg	5.28	0.402	2	07/20/23 22:47	08/06/23 14:54	EPA 3050B	1,6010D	AMW
Arsenic, Total	5.65		mg/kg	1.06	0.220	2	07/20/23 22:47	08/06/23 14:54	EPA 3050B	1,6010D	AMW
Barium, Total	60.0		mg/kg	1.06	0.184	2	07/20/23 22:47	08/06/23 14:54	EPA 3050B	1,6010D	AMW
Beryllium, Total	0.484	J	mg/kg	0.528	0.035	2	07/20/23 22:47	08/06/23 14:54	EPA 3050B	1,6010D	AMW
Cadmium, Total	0.195	J	mg/kg	1.06	0.104	2	07/20/23 22:47	08/06/23 14:54	EPA 3050B	1,6010D	AMW
Calcium, Total	41500		mg/kg	10.6	3.70	2	07/20/23 22:47	08/06/23 14:54	EPA 3050B	1,6010D	AMW
Chromium, Total	6.34		mg/kg	1.06	0.101	2	07/20/23 22:47	08/06/23 14:54	EPA 3050B	1,6010D	AMW
Cobalt, Total	3.17		mg/kg	2.11	0.175	2	07/20/23 22:47	08/06/23 14:54	EPA 3050B	1,6010D	AMW
Copper, Total	19.9		mg/kg	1.06	0.273	2	07/20/23 22:47	08/06/23 14:54	EPA 3050B	1,6010D	AMW
Iron, Total	16500		mg/kg	5.28	0.955	2	07/20/23 22:47	08/06/23 14:54	EPA 3050B	1,6010D	AMW
Lead, Total	159		mg/kg	5.28	0.283	2	07/20/23 22:47	08/06/23 14:54	EPA 3050B	1,6010D	AMW
Magnesium, Total	3010		mg/kg	10.6	1.63	2	07/20/23 22:47	08/06/23 14:54	EPA 3050B	1,6010D	AMW
Manganese, Total	559		mg/kg	1.06	0.168	2	07/20/23 22:47	08/06/23 14:54	EPA 3050B	1,6010D	AMW
Mercury, Total	11.5		mg/kg	1.03	0.672	10	07/20/23 23:35	08/09/23 20:23	EPA 7471B	1,7471B	MJR
Nickel, Total	7.22		mg/kg	2.64	0.256	2	07/20/23 22:47	08/06/23 14:54	EPA 3050B	1,6010D	AMW
Potassium, Total	619		mg/kg	264	15.2	2	07/20/23 22:47	08/06/23 14:54	EPA 3050B	1,6010D	AMW
Selenium, Total	0.908	J	mg/kg	2.11	0.273	2	07/20/23 22:47	08/06/23 14:54	EPA 3050B	1,6010D	AMW
Silver, Total	ND		mg/kg	0.528	0.299	2	07/20/23 22:47	08/06/23 14:54	EPA 3050B	1,6010D	AMW
Sodium, Total	226		mg/kg	211	3.33	2	07/20/23 22:47	08/06/23 14:54	EPA 3050B	1,6010D	AMW
Thallium, Total	0.922	J	mg/kg	2.11	0.333	2	07/20/23 22:47	08/06/23 14:54	EPA 3050B	1,6010D	AMW
Vanadium, Total	11.5		mg/kg	1.06	0.215	2	07/20/23 22:47	08/06/23 14:54	EPA 3050B	1,6010D	AMW
Zinc, Total	40.7		mg/kg	5.28	0.310	2	07/20/23 22:47	08/06/23 14:54	EPA 3050B	1,6010D	AMW



**Project Name:** RITC**Lab Number:** L2341132**Project Number:** PD1WP BENCH SCALES**Report Date:** 08/10/23**SAMPLE RESULTS**

Lab ID: L2341132-02

Date Collected: 07/18/23 11:15

Client ID: SS-BCP-22-07182023

Date Received: 07/18/23

Sample Location: 3875 RIVER ROAD, TONAWANDA

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/20/23 04:40

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	07/21/23 20:32	08/04/23 13:45	EPA 3015	1,6010D	JTS
Barium, TCLP	0.365	J	mg/l	0.500	0.0210	1	07/21/23 20:32	08/04/23 13:45	EPA 3015	1,6010D	JTS
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/21/23 20:32	08/04/23 13:45	EPA 3015	1,6010D	JTS
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/21/23 20:32	08/04/23 13:45	EPA 3015	1,6010D	JTS
Lead, TCLP	ND		mg/l	0.500	0.0270	1	07/21/23 20:32	08/04/23 13:45	EPA 3015	1,6010D	JTS
Mercury, TCLP	0.0008	J	mg/l	0.0010	0.0005	1	07/21/23 16:40	08/10/23 11:17	EPA 7470A	1,7470A	MJR
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	07/21/23 20:32	08/04/23 13:45	EPA 3015	1,6010D	JTS
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/21/23 20:32	08/04/23 13:45	EPA 3015	1,6010D	JTS



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-02  
 Client ID: SS-BCP-22-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:15  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	3160		mg/kg	9.94	2.68	2	07/20/23 22:47	08/06/23 14:57	EPA 3050B	1,6010D	AMW
Antimony, Total	0.474	J	mg/kg	4.97	0.378	2	07/20/23 22:47	08/06/23 14:57	EPA 3050B	1,6010D	AMW
Arsenic, Total	7.32		mg/kg	0.994	0.207	2	07/20/23 22:47	08/06/23 14:57	EPA 3050B	1,6010D	AMW
Barium, Total	78.8		mg/kg	0.994	0.173	2	07/20/23 22:47	08/06/23 14:57	EPA 3050B	1,6010D	AMW
Beryllium, Total	0.281	J	mg/kg	0.497	0.033	2	07/20/23 22:47	08/06/23 14:57	EPA 3050B	1,6010D	AMW
Cadmium, Total	1.02		mg/kg	0.994	0.097	2	07/20/23 22:47	08/06/23 14:57	EPA 3050B	1,6010D	AMW
Calcium, Total	35000		mg/kg	9.94	3.48	2	07/20/23 22:47	08/06/23 14:57	EPA 3050B	1,6010D	AMW
Chromium, Total	42.3		mg/kg	0.994	0.095	2	07/20/23 22:47	08/06/23 14:57	EPA 3050B	1,6010D	AMW
Cobalt, Total	3.47		mg/kg	1.99	0.165	2	07/20/23 22:47	08/06/23 14:57	EPA 3050B	1,6010D	AMW
Copper, Total	53.4		mg/kg	0.994	0.256	2	07/20/23 22:47	08/06/23 14:57	EPA 3050B	1,6010D	AMW
Iron, Total	23700		mg/kg	4.97	0.897	2	07/20/23 22:47	08/06/23 14:57	EPA 3050B	1,6010D	AMW
Lead, Total	152		mg/kg	4.97	0.266	2	07/20/23 22:47	08/06/23 14:57	EPA 3050B	1,6010D	AMW
Magnesium, Total	9410		mg/kg	9.94	1.53	2	07/20/23 22:47	08/06/23 14:57	EPA 3050B	1,6010D	AMW
Manganese, Total	315		mg/kg	0.994	0.158	2	07/20/23 22:47	08/06/23 14:57	EPA 3050B	1,6010D	AMW
Mercury, Total	1.14		mg/kg	0.102	0.067	1	07/20/23 23:35	08/09/23 00:22	EPA 7471B	1,7471B	MJR
Nickel, Total	14.9		mg/kg	2.48	0.240	2	07/20/23 22:47	08/06/23 14:57	EPA 3050B	1,6010D	AMW
Potassium, Total	405		mg/kg	248	14.3	2	07/20/23 22:47	08/06/23 14:57	EPA 3050B	1,6010D	AMW
Selenium, Total	0.829	J	mg/kg	1.99	0.256	2	07/20/23 22:47	08/06/23 14:57	EPA 3050B	1,6010D	AMW
Silver, Total	ND		mg/kg	0.497	0.281	2	07/20/23 22:47	08/06/23 14:57	EPA 3050B	1,6010D	AMW
Sodium, Total	453		mg/kg	199	3.13	2	07/20/23 22:47	08/06/23 14:57	EPA 3050B	1,6010D	AMW
Thallium, Total	0.751	J	mg/kg	1.99	0.313	2	07/20/23 22:47	08/06/23 14:57	EPA 3050B	1,6010D	AMW
Vanadium, Total	6.23		mg/kg	0.994	0.202	2	07/20/23 22:47	08/06/23 14:57	EPA 3050B	1,6010D	AMW
Zinc, Total	164		mg/kg	4.97	0.291	2	07/20/23 22:47	08/06/23 14:57	EPA 3050B	1,6010D	AMW



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-03  
 Client ID: SS-BCP-23-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 12:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/20/23 04:40

Matrix: Soil  
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	07/21/23 20:32	08/04/23 14:11	EPA 3015	1,6010D	JTS
Barium, TCLP	0.566		mg/l	0.500	0.0210	1	07/21/23 20:32	08/04/23 14:11	EPA 3015	1,6010D	JTS
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/21/23 20:32	08/04/23 14:11	EPA 3015	1,6010D	JTS
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/21/23 20:32	08/04/23 14:11	EPA 3015	1,6010D	JTS
Lead, TCLP	ND		mg/l	0.500	0.0270	1	07/21/23 20:32	08/04/23 14:11	EPA 3015	1,6010D	JTS
Mercury, TCLP	0.0007	J	mg/l	0.0010	0.0005	1	07/21/23 16:40	08/10/23 11:20	EPA 7470A	1,7470A	MJR
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	07/21/23 20:32	08/04/23 14:11	EPA 3015	1,6010D	JTS
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/21/23 20:32	08/04/23 14:11	EPA 3015	1,6010D	JTS



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-03  
 Client ID: SS-BCP-23-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 12:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	1970		mg/kg	10.4	2.82	2	07/20/23 22:47	08/06/23 15:01	EPA 3050B	1,6010D	AMW
Antimony, Total	ND		mg/kg	5.22	0.397	2	07/20/23 22:47	08/06/23 15:01	EPA 3050B	1,6010D	AMW
Arsenic, Total	4.84		mg/kg	1.04	0.217	2	07/20/23 22:47	08/06/23 15:01	EPA 3050B	1,6010D	AMW
Barium, Total	49.4		mg/kg	1.04	0.182	2	07/20/23 22:47	08/06/23 15:01	EPA 3050B	1,6010D	AMW
Beryllium, Total	0.335	J	mg/kg	0.522	0.035	2	07/20/23 22:47	08/06/23 15:01	EPA 3050B	1,6010D	AMW
Cadmium, Total	0.314	J	mg/kg	1.04	0.102	2	07/20/23 22:47	08/06/23 15:01	EPA 3050B	1,6010D	AMW
Calcium, Total	11500		mg/kg	10.4	3.66	2	07/20/23 22:47	08/06/23 15:01	EPA 3050B	1,6010D	AMW
Chromium, Total	16.4		mg/kg	1.04	0.100	2	07/20/23 22:47	08/06/23 15:01	EPA 3050B	1,6010D	AMW
Cobalt, Total	2.75		mg/kg	2.09	0.173	2	07/20/23 22:47	08/06/23 15:01	EPA 3050B	1,6010D	AMW
Copper, Total	17.9		mg/kg	1.04	0.269	2	07/20/23 22:47	08/06/23 15:01	EPA 3050B	1,6010D	AMW
Iron, Total	5140		mg/kg	5.22	0.943	2	07/20/23 22:47	08/06/23 15:01	EPA 3050B	1,6010D	AMW
Lead, Total	25.8		mg/kg	5.22	0.280	2	07/20/23 22:47	08/06/23 15:01	EPA 3050B	1,6010D	AMW
Magnesium, Total	821		mg/kg	10.4	1.61	2	07/20/23 22:47	08/06/23 15:01	EPA 3050B	1,6010D	AMW
Manganese, Total	93.4		mg/kg	1.04	0.166	2	07/20/23 22:47	08/06/23 15:01	EPA 3050B	1,6010D	AMW
Mercury, Total	3.00		mg/kg	0.104	0.068	1	07/20/23 23:35	08/09/23 00:25	EPA 7471B	1,7471B	MJR
Nickel, Total	6.35		mg/kg	2.61	0.253	2	07/20/23 22:47	08/06/23 15:01	EPA 3050B	1,6010D	AMW
Potassium, Total	257	J	mg/kg	261	15.0	2	07/20/23 22:47	08/06/23 15:01	EPA 3050B	1,6010D	AMW
Selenium, Total	1.18	J	mg/kg	2.09	0.269	2	07/20/23 22:47	08/06/23 15:01	EPA 3050B	1,6010D	AMW
Silver, Total	ND		mg/kg	0.522	0.296	2	07/20/23 22:47	08/06/23 15:01	EPA 3050B	1,6010D	AMW
Sodium, Total	77.1	J	mg/kg	209	3.29	2	07/20/23 22:47	08/06/23 15:01	EPA 3050B	1,6010D	AMW
Thallium, Total	0.785	J	mg/kg	2.09	0.329	2	07/20/23 22:47	08/06/23 15:01	EPA 3050B	1,6010D	AMW
Vanadium, Total	5.06		mg/kg	1.04	0.212	2	07/20/23 22:47	08/06/23 15:01	EPA 3050B	1,6010D	AMW
Zinc, Total	36.3		mg/kg	5.22	0.306	2	07/20/23 22:47	08/06/23 15:01	EPA 3050B	1,6010D	AMW





**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-04  
 Client ID: SS-BCP-24-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:35  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/20/23 04:40

Matrix: Soil  
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	0.0290	J	mg/l	1.00	0.0190	1	07/24/23 19:45	08/08/23 07:55	EPA 3015	1,6010D	DHL
Barium, TCLP	0.479	J	mg/l	0.500	0.0210	1	07/24/23 19:45	08/08/23 07:55	EPA 3015	1,6010D	DHL
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/24/23 19:45	08/08/23 07:55	EPA 3015	1,6010D	DHL
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/24/23 19:45	08/08/23 07:55	EPA 3015	1,6010D	DHL
Lead, TCLP	0.0632	J	mg/l	0.500	0.0270	1	07/24/23 19:45	08/08/23 07:55	EPA 3015	1,6010D	DHL
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/24/23 17:07	08/10/23 11:02	EPA 7470A	1,7470A	GMG
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	07/24/23 19:45	08/08/23 07:55	EPA 3015	1,6010D	DHL
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/24/23 19:45	08/08/23 07:55	EPA 3015	1,6010D	DHL



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-04  
 Client ID: SS-BCP-24-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 11:35  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	3190		mg/kg	10.3	2.78	2	07/20/23 22:47	08/06/23 15:04	EPA 3050B	1,6010D	AMW
Antimony, Total	ND		mg/kg	5.16	0.392	2	07/20/23 22:47	08/06/23 15:04	EPA 3050B	1,6010D	AMW
Arsenic, Total	10.6		mg/kg	1.03	0.214	2	07/20/23 22:47	08/06/23 15:04	EPA 3050B	1,6010D	AMW
Barium, Total	27.8		mg/kg	1.03	0.179	2	07/20/23 22:47	08/06/23 15:04	EPA 3050B	1,6010D	AMW
Beryllium, Total	0.246	J	mg/kg	0.516	0.034	2	07/20/23 22:47	08/06/23 15:04	EPA 3050B	1,6010D	AMW
Cadmium, Total	2.19		mg/kg	1.03	0.101	2	07/20/23 22:47	08/06/23 15:04	EPA 3050B	1,6010D	AMW
Calcium, Total	8440		mg/kg	10.3	3.61	2	07/20/23 22:47	08/06/23 15:04	EPA 3050B	1,6010D	AMW
Chromium, Total	26.6		mg/kg	1.03	0.099	2	07/20/23 22:47	08/06/23 15:04	EPA 3050B	1,6010D	AMW
Cobalt, Total	3.16		mg/kg	2.06	0.171	2	07/20/23 22:47	08/06/23 15:04	EPA 3050B	1,6010D	AMW
Copper, Total	44.1		mg/kg	1.03	0.266	2	07/20/23 22:47	08/06/23 15:04	EPA 3050B	1,6010D	AMW
Iron, Total	20600		mg/kg	5.16	0.931	2	07/20/23 22:47	08/06/23 15:04	EPA 3050B	1,6010D	AMW
Lead, Total	264		mg/kg	5.16	0.276	2	07/20/23 22:47	08/06/23 15:04	EPA 3050B	1,6010D	AMW
Magnesium, Total	3330		mg/kg	10.3	1.59	2	07/20/23 22:47	08/06/23 15:04	EPA 3050B	1,6010D	AMW
Manganese, Total	232		mg/kg	1.03	0.164	2	07/20/23 22:47	08/06/23 15:04	EPA 3050B	1,6010D	AMW
Mercury, Total	0.399		mg/kg	0.106	0.069	1	07/20/23 23:35	08/09/23 00:29	EPA 7471B	1,7471B	MJR
Nickel, Total	13.5		mg/kg	2.58	0.250	2	07/20/23 22:47	08/06/23 15:04	EPA 3050B	1,6010D	AMW
Potassium, Total	422		mg/kg	258	14.8	2	07/20/23 22:47	08/06/23 15:04	EPA 3050B	1,6010D	AMW
Selenium, Total	1.74	J	mg/kg	2.06	0.266	2	07/20/23 22:47	08/06/23 15:04	EPA 3050B	1,6010D	AMW
Silver, Total	ND		mg/kg	0.516	0.292	2	07/20/23 22:47	08/06/23 15:04	EPA 3050B	1,6010D	AMW
Sodium, Total	154	J	mg/kg	206	3.25	2	07/20/23 22:47	08/06/23 15:04	EPA 3050B	1,6010D	AMW
Thallium, Total	1.16	J	mg/kg	2.06	0.325	2	07/20/23 22:47	08/06/23 15:04	EPA 3050B	1,6010D	AMW
Vanadium, Total	7.08		mg/kg	1.03	0.209	2	07/20/23 22:47	08/06/23 15:04	EPA 3050B	1,6010D	AMW
Zinc, Total	215		mg/kg	5.16	0.302	2	07/20/23 22:47	08/06/23 15:04	EPA 3050B	1,6010D	AMW



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-05  
 Client ID: SS-BCP-25-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/20/23 04:40

Matrix: Soil  
 Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	07/21/23 20:32	08/04/23 14:15	EPA 3015	1,6010D	JTS
Barium, TCLP	0.627		mg/l	0.500	0.0210	1	07/21/23 20:32	08/04/23 14:15	EPA 3015	1,6010D	JTS
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/21/23 20:32	08/04/23 14:15	EPA 3015	1,6010D	JTS
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/21/23 20:32	08/04/23 14:15	EPA 3015	1,6010D	JTS
Lead, TCLP	0.0291	J	mg/l	0.500	0.0270	1	07/21/23 20:32	08/04/23 14:15	EPA 3015	1,6010D	JTS
Mercury, TCLP	0.0007	J	mg/l	0.0010	0.0005	1	07/21/23 16:40	08/10/23 11:24	EPA 7470A	1,7470A	MJR
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	07/21/23 20:32	08/04/23 14:15	EPA 3015	1,6010D	JTS
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/21/23 20:32	08/04/23 14:15	EPA 3015	1,6010D	JTS



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-05  
 Client ID: SS-BCP-25-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	5580		mg/kg	11.0	2.96	2	07/20/23 22:47	08/06/23 15:07	EPA 3050B	1,6010D	AMW
Antimony, Total	ND		mg/kg	5.48	0.417	2	07/20/23 22:47	08/06/23 15:07	EPA 3050B	1,6010D	AMW
Arsenic, Total	9.49		mg/kg	1.10	0.228	2	07/20/23 22:47	08/06/23 15:07	EPA 3050B	1,6010D	AMW
Barium, Total	65.4		mg/kg	1.10	0.191	2	07/20/23 22:47	08/06/23 15:07	EPA 3050B	1,6010D	AMW
Beryllium, Total	0.296	J	mg/kg	0.548	0.036	2	07/20/23 22:47	08/06/23 15:07	EPA 3050B	1,6010D	AMW
Cadmium, Total	3.29		mg/kg	1.10	0.107	2	07/20/23 22:47	08/06/23 15:07	EPA 3050B	1,6010D	AMW
Calcium, Total	30500		mg/kg	11.0	3.84	2	07/20/23 22:47	08/06/23 15:07	EPA 3050B	1,6010D	AMW
Chromium, Total	17.6		mg/kg	1.10	0.105	2	07/20/23 22:47	08/06/23 15:07	EPA 3050B	1,6010D	AMW
Cobalt, Total	4.31		mg/kg	2.19	0.182	2	07/20/23 22:47	08/06/23 15:07	EPA 3050B	1,6010D	AMW
Copper, Total	34.6		mg/kg	1.10	0.283	2	07/20/23 22:47	08/06/23 15:07	EPA 3050B	1,6010D	AMW
Iron, Total	18100		mg/kg	5.48	0.990	2	07/20/23 22:47	08/06/23 15:07	EPA 3050B	1,6010D	AMW
Lead, Total	969		mg/kg	5.48	0.294	2	07/20/23 22:47	08/06/23 15:07	EPA 3050B	1,6010D	AMW
Magnesium, Total	5690		mg/kg	11.0	1.69	2	07/20/23 22:47	08/06/23 15:07	EPA 3050B	1,6010D	AMW
Manganese, Total	503		mg/kg	1.10	0.174	2	07/20/23 22:47	08/06/23 15:07	EPA 3050B	1,6010D	AMW
Mercury, Total	2.12		mg/kg	0.105	0.068	1	07/20/23 23:35	08/09/23 00:32	EPA 7471B	1,7471B	MJR
Nickel, Total	18.0		mg/kg	2.74	0.265	2	07/20/23 22:47	08/06/23 15:07	EPA 3050B	1,6010D	AMW
Potassium, Total	402		mg/kg	274	15.8	2	07/20/23 22:47	08/06/23 15:07	EPA 3050B	1,6010D	AMW
Selenium, Total	4.09		mg/kg	2.19	0.283	2	07/20/23 22:47	08/06/23 15:07	EPA 3050B	1,6010D	AMW
Silver, Total	ND		mg/kg	0.548	0.310	2	07/20/23 22:47	08/06/23 15:07	EPA 3050B	1,6010D	AMW
Sodium, Total	96.8	J	mg/kg	219	3.45	2	07/20/23 22:47	08/06/23 15:07	EPA 3050B	1,6010D	AMW
Thallium, Total	1.05	J	mg/kg	2.19	0.345	2	07/20/23 22:47	08/06/23 15:07	EPA 3050B	1,6010D	AMW
Vanadium, Total	11.9		mg/kg	1.10	0.223	2	07/20/23 22:47	08/06/23 15:07	EPA 3050B	1,6010D	AMW
Zinc, Total	201		mg/kg	5.48	0.321	2	07/20/23 22:47	08/06/23 15:07	EPA 3050B	1,6010D	AMW



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-06  
 Client ID: SS-BCP-21-02-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:45  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/20/23 04:40

Matrix: Soil  
 Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	0.0294	J	mg/l	1.00	0.0190	1	07/24/23 19:45	08/08/23 08:17	EPA 3015	1,6010D	DHL
Barium, TCLP	0.531		mg/l	0.500	0.0210	1	07/24/23 19:45	08/08/23 08:17	EPA 3015	1,6010D	DHL
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/24/23 19:45	08/08/23 08:17	EPA 3015	1,6010D	DHL
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/24/23 19:45	08/08/23 08:17	EPA 3015	1,6010D	DHL
Lead, TCLP	ND		mg/l	0.500	0.0270	1	07/24/23 19:45	08/08/23 08:17	EPA 3015	1,6010D	DHL
Mercury, TCLP	0.0007	J	mg/l	0.0010	0.0005	1	07/24/23 17:07	08/10/23 11:12	EPA 7470A	1,7470A	GMG
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	07/24/23 19:45	08/08/23 08:17	EPA 3015	1,6010D	DHL
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/24/23 19:45	08/08/23 08:17	EPA 3015	1,6010D	DHL



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-07  
 Client ID: SS-BCP-21-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:50  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/20/23 04:40

Matrix: Soil  
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	07/24/23 19:45	08/08/23 08:22	EPA 3015	1,6010D	DHL
Barium, TCLP	0.490	J	mg/l	0.500	0.0210	1	07/24/23 19:45	08/08/23 08:22	EPA 3015	1,6010D	DHL
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/24/23 19:45	08/08/23 08:22	EPA 3015	1,6010D	DHL
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/24/23 19:45	08/08/23 08:22	EPA 3015	1,6010D	DHL
Lead, TCLP	0.0330	J	mg/l	0.500	0.0270	1	07/24/23 19:45	08/08/23 08:22	EPA 3015	1,6010D	DHL
Mercury, TCLP	0.0009	J	mg/l	0.0010	0.0005	1	07/24/23 17:07	08/10/23 11:16	EPA 7470A	1,7470A	GMG
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	07/24/23 19:45	08/08/23 08:22	EPA 3015	1,6010D	DHL
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/24/23 19:45	08/08/23 08:22	EPA 3015	1,6010D	DHL



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-08  
 Client ID: SS-BCP-21-06-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 14:55  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/20/23 04:40

Matrix: Soil  
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	0.0282	J	mg/l	1.00	0.0190	1	07/24/23 19:45	08/08/23 08:26	EPA 3015	1,6010D	DHL
Barium, TCLP	0.333	J	mg/l	0.500	0.0210	1	07/24/23 19:45	08/08/23 08:26	EPA 3015	1,6010D	DHL
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/24/23 19:45	08/08/23 08:26	EPA 3015	1,6010D	DHL
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/24/23 19:45	08/08/23 08:26	EPA 3015	1,6010D	DHL
Lead, TCLP	ND		mg/l	0.500	0.0270	1	07/24/23 19:45	08/08/23 08:26	EPA 3015	1,6010D	DHL
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/24/23 17:07	08/10/23 11:19	EPA 7470A	1,7470A	GMG
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	07/24/23 19:45	08/08/23 08:26	EPA 3015	1,6010D	DHL
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/24/23 19:45	08/08/23 08:26	EPA 3015	1,6010D	DHL



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-09  
 Client ID: SS-BCP-22-02-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:00  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/20/23 04:40

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	07/21/23 20:32	08/04/23 14:20	EPA 3015	1,6010D	JTS
Barium, TCLP	0.308	J	mg/l	0.500	0.0210	1	07/21/23 20:32	08/04/23 14:20	EPA 3015	1,6010D	JTS
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/21/23 20:32	08/04/23 14:20	EPA 3015	1,6010D	JTS
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/21/23 20:32	08/04/23 14:20	EPA 3015	1,6010D	JTS
Lead, TCLP	ND		mg/l	0.500	0.0270	1	07/21/23 20:32	08/04/23 14:20	EPA 3015	1,6010D	JTS
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/21/23 16:40	08/10/23 11:27	EPA 7470A	1,7470A	MJR
Selenium, TCLP	0.0368	J	mg/l	0.500	0.0350	1	07/21/23 20:32	08/04/23 14:20	EPA 3015	1,6010D	JTS
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/21/23 20:32	08/04/23 14:20	EPA 3015	1,6010D	JTS





**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-10  
 Client ID: SS-BCP-22-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:02  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/20/23 04:40

Matrix: Soil  
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	07/21/23 20:32	08/04/23 14:24	EPA 3015	1,6010D	JTS
Barium, TCLP	0.300	J	mg/l	0.500	0.0210	1	07/21/23 20:32	08/04/23 14:24	EPA 3015	1,6010D	JTS
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/21/23 20:32	08/04/23 14:24	EPA 3015	1,6010D	JTS
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/21/23 20:32	08/04/23 14:24	EPA 3015	1,6010D	JTS
Lead, TCLP	ND		mg/l	0.500	0.0270	1	07/21/23 20:32	08/04/23 14:24	EPA 3015	1,6010D	JTS
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/21/23 16:40	08/10/23 11:30	EPA 7470A	1,7470A	MJR
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	07/21/23 20:32	08/04/23 14:24	EPA 3015	1,6010D	JTS
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/21/23 20:32	08/04/23 14:24	EPA 3015	1,6010D	JTS



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-11  
 Client ID: SS-BCP-22-06-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:06  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/20/23 04:40

Matrix: Soil  
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	07/21/23 20:32	08/04/23 14:29	EPA 3015	1,6010D	JTS
Barium, TCLP	0.178	J	mg/l	0.500	0.0210	1	07/21/23 20:32	08/04/23 14:29	EPA 3015	1,6010D	JTS
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/21/23 20:32	08/04/23 14:29	EPA 3015	1,6010D	JTS
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/21/23 20:32	08/04/23 14:29	EPA 3015	1,6010D	JTS
Lead, TCLP	ND		mg/l	0.500	0.0270	1	07/21/23 20:32	08/04/23 14:29	EPA 3015	1,6010D	JTS
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/21/23 16:40	08/10/23 11:34	EPA 7470A	1,7470A	MJR
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	07/21/23 20:32	08/04/23 14:29	EPA 3015	1,6010D	JTS
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/21/23 20:32	08/04/23 14:29	EPA 3015	1,6010D	JTS



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-12  
 Client ID: SS-BCP-23-02-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:39  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/20/23 04:40

Matrix: Soil  
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	0.0279	J	mg/l	1.00	0.0190	1	07/24/23 19:45	08/08/23 10:24	EPA 3015	1,6010D	JTS
Barium, TCLP	0.444	J	mg/l	0.500	0.0210	1	07/24/23 19:45	08/08/23 10:24	EPA 3015	1,6010D	JTS
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/24/23 19:45	08/08/23 10:24	EPA 3015	1,6010D	JTS
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/24/23 19:45	08/08/23 10:24	EPA 3015	1,6010D	JTS
Lead, TCLP	ND		mg/l	0.500	0.0270	1	07/24/23 19:45	08/08/23 10:24	EPA 3015	1,6010D	JTS
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/24/23 17:07	08/10/23 11:22	EPA 7470A	1,7470A	GMG
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	07/24/23 19:45	08/08/23 10:24	EPA 3015	1,6010D	JTS
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/24/23 19:45	08/08/23 10:24	EPA 3015	1,6010D	JTS



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-13  
 Client ID: SS-BCP-23-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:41  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/20/23 04:40

Matrix: Soil  
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	0.0325	J	mg/l	1.00	0.0190	1	07/24/23 19:45	08/08/23 10:28	EPA 3015	1,6010D	JTS
Barium, TCLP	0.354	J	mg/l	0.500	0.0210	1	07/24/23 19:45	08/08/23 10:28	EPA 3015	1,6010D	JTS
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/24/23 19:45	08/08/23 10:28	EPA 3015	1,6010D	JTS
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/24/23 19:45	08/08/23 10:28	EPA 3015	1,6010D	JTS
Lead, TCLP	ND		mg/l	0.500	0.0270	1	07/24/23 19:45	08/08/23 10:28	EPA 3015	1,6010D	JTS
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/24/23 17:07	08/10/23 11:33	EPA 7470A	1,7470A	GMG
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	07/24/23 19:45	08/08/23 10:28	EPA 3015	1,6010D	JTS
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/24/23 19:45	08/08/23 10:28	EPA 3015	1,6010D	JTS



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-14  
 Client ID: SS-BCP-23-06-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:44  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/20/23 04:40

Matrix: Soil  
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	0.0352	J	mg/l	1.00	0.0190	1	07/24/23 19:45	08/08/23 10:34	EPA 3015	1,6010D	JTS
Barium, TCLP	0.261	J	mg/l	0.500	0.0210	1	07/24/23 19:45	08/08/23 10:34	EPA 3015	1,6010D	JTS
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/24/23 19:45	08/08/23 10:34	EPA 3015	1,6010D	JTS
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/24/23 19:45	08/08/23 10:34	EPA 3015	1,6010D	JTS
Lead, TCLP	ND		mg/l	0.500	0.0270	1	07/24/23 19:45	08/08/23 10:34	EPA 3015	1,6010D	JTS
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/24/23 17:07	08/10/23 11:36	EPA 7470A	1,7470A	GMG
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	07/24/23 19:45	08/08/23 10:34	EPA 3015	1,6010D	JTS
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/24/23 19:45	08/08/23 10:34	EPA 3015	1,6010D	JTS



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-15  
 Client ID: SS-BCP-24-02-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:35  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/20/23 04:40

Matrix: Soil  
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	07/21/23 20:32	08/04/23 14:33	EPA 3015	1,6010D	JTS
Barium, TCLP	0.267	J	mg/l	0.500	0.0210	1	07/21/23 20:32	08/04/23 14:33	EPA 3015	1,6010D	JTS
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/21/23 20:32	08/04/23 14:33	EPA 3015	1,6010D	JTS
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/21/23 20:32	08/04/23 14:33	EPA 3015	1,6010D	JTS
Lead, TCLP	ND		mg/l	0.500	0.0270	1	07/21/23 20:32	08/04/23 14:33	EPA 3015	1,6010D	JTS
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/21/23 16:40	08/10/23 11:37	EPA 7470A	1,7470A	MJR
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	07/21/23 20:32	08/04/23 14:33	EPA 3015	1,6010D	JTS
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/21/23 20:32	08/04/23 14:33	EPA 3015	1,6010D	JTS



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-16  
 Client ID: SS-BCP-24-04-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:38  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/20/23 04:40

Matrix: Soil  
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	0.0350	J	mg/l	1.00	0.0190	1	07/21/23 20:32	08/04/23 14:38	EPA 3015	1,6010D	JTS
Barium, TCLP	0.182	J	mg/l	0.500	0.0210	1	07/21/23 20:32	08/04/23 14:38	EPA 3015	1,6010D	JTS
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/21/23 20:32	08/04/23 14:38	EPA 3015	1,6010D	JTS
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/21/23 20:32	08/04/23 14:38	EPA 3015	1,6010D	JTS
Lead, TCLP	ND		mg/l	0.500	0.0270	1	07/21/23 20:32	08/04/23 14:38	EPA 3015	1,6010D	JTS
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/21/23 16:40	08/10/23 11:48	EPA 7470A	1,7470A	MJR
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	07/21/23 20:32	08/04/23 14:38	EPA 3015	1,6010D	JTS
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/21/23 20:32	08/04/23 14:38	EPA 3015	1,6010D	JTS



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

Lab ID: L2341132-17  
 Client ID: SS-BCP-24-06-07182023  
 Sample Location: 3875 RIVER ROAD, TONAWANDA

Date Collected: 07/18/23 15:40  
 Date Received: 07/18/23  
 Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/20/23 04:40

Matrix: Soil  
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	07/21/23 20:32	08/04/23 14:42	EPA 3015	1,6010D	JTS
Barium, TCLP	0.146	J	mg/l	0.500	0.0210	1	07/21/23 20:32	08/04/23 14:42	EPA 3015	1,6010D	JTS
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/21/23 20:32	08/04/23 14:42	EPA 3015	1,6010D	JTS
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/21/23 20:32	08/04/23 14:42	EPA 3015	1,6010D	JTS
Lead, TCLP	ND		mg/l	0.500	0.0270	1	07/21/23 20:32	08/04/23 14:42	EPA 3015	1,6010D	JTS
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/21/23 16:40	08/10/23 11:51	EPA 7470A	1,7470A	MJR
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	07/21/23 20:32	08/04/23 14:42	EPA 3015	1,6010D	JTS
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/21/23 20:32	08/04/23 14:42	EPA 3015	1,6010D	JTS





**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

## Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1805526-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	07/20/23 22:47	07/25/23 21:25	1,6010D	CEY
Antimony, Total	ND		mg/kg	2.00	0.152	1	07/20/23 22:47	07/25/23 21:25	1,6010D	CEY
Arsenic, Total	0.095	J	mg/kg	0.400	0.083	1	07/20/23 22:47	07/25/23 21:25	1,6010D	CEY
Barium, Total	ND		mg/kg	0.400	0.070	1	07/20/23 22:47	07/25/23 21:25	1,6010D	CEY
Beryllium, Total	ND		mg/kg	0.200	0.013	1	07/20/23 22:47	07/25/23 21:25	1,6010D	CEY
Cadmium, Total	ND		mg/kg	0.400	0.039	1	07/20/23 22:47	07/25/23 21:25	1,6010D	CEY
Calcium, Total	ND		mg/kg	4.00	1.40	1	07/20/23 22:47	07/25/23 21:25	1,6010D	CEY
Chromium, Total	ND		mg/kg	0.400	0.038	1	07/20/23 22:47	07/25/23 21:25	1,6010D	CEY
Cobalt, Total	ND		mg/kg	0.800	0.066	1	07/20/23 22:47	07/25/23 21:25	1,6010D	CEY
Copper, Total	ND		mg/kg	0.400	0.103	1	07/20/23 22:47	07/25/23 21:25	1,6010D	CEY
Iron, Total	ND		mg/kg	2.00	0.361	1	07/20/23 22:47	07/25/23 21:25	1,6010D	CEY
Lead, Total	ND		mg/kg	2.00	0.107	1	07/20/23 22:47	07/25/23 21:25	1,6010D	CEY
Magnesium, Total	ND		mg/kg	4.00	0.616	1	07/20/23 22:47	07/25/23 21:25	1,6010D	CEY
Manganese, Total	ND		mg/kg	0.400	0.064	1	07/20/23 22:47	07/25/23 21:25	1,6010D	CEY
Nickel, Total	ND		mg/kg	1.00	0.097	1	07/20/23 22:47	07/25/23 21:25	1,6010D	CEY
Potassium, Total	ND		mg/kg	100	5.76	1	07/20/23 22:47	07/25/23 21:25	1,6010D	CEY
Selenium, Total	ND		mg/kg	0.800	0.103	1	07/20/23 22:47	07/25/23 21:25	1,6010D	CEY
Silver, Total	ND		mg/kg	0.200	0.113	1	07/20/23 22:47	07/25/23 21:25	1,6010D	CEY
Sodium, Total	2.39	J	mg/kg	80.0	1.26	1	07/20/23 22:47	07/25/23 21:25	1,6010D	CEY
Thallium, Total	ND		mg/kg	0.800	0.126	1	07/20/23 22:47	07/25/23 21:25	1,6010D	CEY
Vanadium, Total	ND		mg/kg	0.400	0.081	1	07/20/23 22:47	07/25/23 21:25	1,6010D	CEY
Zinc, Total	ND		mg/kg	2.00	0.117	1	07/20/23 22:47	07/25/23 21:25	1,6010D	CEY

### Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1805528-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	07/20/23 23:35	07/26/23 15:37	1,7471B	DMB



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

## Method Blank Analysis Batch Quality Control

### Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-03,05,09-11,15-17 Batch: WG1806098-1										
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	07/21/23 20:30	07/25/23 07:34	1,6010D	DHL
Barium, TCLP	ND		mg/l	0.500	0.0210	1	07/21/23 20:30	07/25/23 07:34	1,6010D	DHL
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/21/23 20:30	07/25/23 07:34	1,6010D	DHL
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/21/23 20:30	07/25/23 07:34	1,6010D	DHL
Lead, TCLP	ND		mg/l	0.500	0.0270	1	07/21/23 20:30	07/25/23 07:34	1,6010D	DHL
Selenium, TCLP	0.0464	J	mg/l	0.500	0.0350	1	07/21/23 20:30	07/25/23 07:34	1,6010D	DHL
Silver, TCLP	ND		mg/l	0.100	0.0280	1	07/21/23 20:30	07/25/23 07:34	1,6010D	DHL

### Prep Information

Digestion Method: EPA 3015  
TCLP/SPLP Extraction Date: 07/18/23 21:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-03,05,09-11,15-17 Batch: WG1806102-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/21/23 16:40	07/25/23 13:06	1,7470A	DMB

### Prep Information

Digestion Method: EPA 7470A  
TCLP/SPLP Extraction Date: 07/18/23 21:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 04,06-08,12-14 Batch: WG1806240-1										
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	07/24/23 19:45	08/08/23 07:46	1,6010D	DHL
Barium, TCLP	ND		mg/l	0.500	0.0210	1	07/24/23 19:45	08/08/23 07:46	1,6010D	DHL
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	07/24/23 19:45	08/08/23 07:46	1,6010D	DHL
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	07/24/23 19:45	08/08/23 07:46	1,6010D	DHL

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

### Method Blank Analysis Batch Quality Control

Lead, TCLP	ND	mg/l	0.500	0.0270	1	07/24/23 19:45	08/08/23 07:46	1,6010D	DHL
Selenium, TCLP	ND	mg/l	0.500	0.0350	1	07/24/23 19:45	08/08/23 07:46	1,6010D	DHL
Silver, TCLP	ND	mg/l	0.100	0.0280	1	07/24/23 19:45	08/08/23 07:46	1,6010D	DHL

#### Prep Information

Digestion Method: EPA 3015  
TCLP/SPLP Extraction Date: 07/20/23 04:40

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 04,06-08,12-14 Batch: WG1806241-1									
Mercury, TCLP	ND	mg/l	0.0010	0.0005	1	07/24/23 17:07	08/10/23 10:56	1,7470A	GMG

#### Prep Information

Digestion Method: EPA 7470A  
TCLP/SPLP Extraction Date: 07/20/23 04:40

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1805526-2 SRM Lot Number: D119-540								
Aluminum, Total	74		-		48-152	-		
Antimony, Total	108		-		10-190	-		
Arsenic, Total	104		-		83-117	-		
Barium, Total	98		-		82-118	-		
Beryllium, Total	102		-		83-117	-		
Cadmium, Total	108		-		82-117	-		
Calcium, Total	101		-		81-118	-		
Chromium, Total	104		-		82-119	-		
Cobalt, Total	107		-		83-117	-		
Copper, Total	106		-		84-116	-		
Iron, Total	91		-		60-140	-		
Lead, Total	105		-		82-118	-		
Magnesium, Total	92		-		76-124	-		
Manganese, Total	99		-		82-118	-		
Nickel, Total	105		-		82-117	-		
Potassium, Total	87		-		70-130	-		
Selenium, Total	107		-		79-121	-		
Silver, Total	103		-		80-120	-		
Sodium, Total	97		-		74-126	-		
Thallium, Total	105		-		81-119	-		
Vanadium, Total	101		-		79-121	-		



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
<b>Total Metals - Mansfield Lab</b> Associated sample(s): 01-05 Batch: WG1805526-2 SRM Lot Number: D119-540					
Zinc, Total	102	-	80-120	-	
<b>Total Metals - Mansfield Lab</b> Associated sample(s): 01-05 Batch: WG1805528-2 SRM Lot Number: D119-540					
Mercury, Total	100	-	73-127	-	
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b> Associated sample(s): 01-03,05,09-11,15-17 Batch: WG1806098-2					
Arsenic, TCLP	93	-	75-125	-	20
Barium, TCLP	86	-	75-125	-	20
Cadmium, TCLP	91	-	75-125	-	20
Chromium, TCLP	87	-	75-125	-	20
Lead, TCLP	87	-	75-125	-	20
Selenium, TCLP	91	-	75-125	-	20
Silver, TCLP	88	-	75-125	-	20
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b> Associated sample(s): 01-03,05,09-11,15-17 Batch: WG1806102-2					
Mercury, TCLP	95	-	80-120	-	

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04,06-08,12-14 Batch: WG1806240-2					
Arsenic, TCLP	98	-	75-125	-	20
Barium, TCLP	92	-	75-125	-	20
Cadmium, TCLP	91	-	75-125	-	20
Chromium, TCLP	98	-	75-125	-	20
Lead, TCLP	99	-	75-125	-	20
Selenium, TCLP	94	-	75-125	-	20
Silver, TCLP	94	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04,06-08,12-14 Batch: WG1806241-2					
Mercury, TCLP	95	-	80-120	-	

## Matrix Spike Analysis Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1805526-3 WG1805526-4 QC Sample: L2341450-01 Client ID: MS Sample												
Aluminum, Total	9710	186	10300	317	Q	10100	210	Q	75-125	2		20
Antimony, Total	0.652J	46.5	36.2	78		36.4	78		75-125	1		20
Arsenic, Total	5.70	11.2	17.0	101		17.1	102		75-125	1		20
Barium, Total	32.7	186	208	94		204	92		75-125	2		20
Beryllium, Total	0.239J	4.65	4.65	100		4.57	98		75-125	2		20
Cadmium, Total	0.144J	4.93	5.28	107		5.16	105		75-125	2		20
Calcium, Total	882	929	1660	84		1590	76		75-125	4		20
Chromium, Total	9.88	18.6	27.5	95		26.7	90		75-125	3		20
Cobalt, Total	2.20	46.5	50.3	103		48.9	100		75-125	3		20
Copper, Total	9.37	23.2	33.0	102		33.5	104		75-125	2		20
Iron, Total	13400	92.9	12900	0	Q	12500	0	Q	75-125	3		20
Lead, Total	18.8	49.3	69.5	103		69.0	102		75-125	1		20
Magnesium, Total	995	929	1880	95		1900	97		75-125	1		20
Manganese, Total	283	46.5	356	157	Q	341	125		75-125	4		20
Nickel, Total	3.69	46.5	49.9	99		48.7	97		75-125	2		20
Potassium, Total	246	929	1160	98		1150	97		75-125	1		20
Selenium, Total	ND	11.2	11.3	101		10.8	97		75-125	5		20
Silver, Total	ND	4.65	4.52	97		4.48	96		75-125	1		20
Sodium, Total	264	929	1120	92		1100	90		75-125	2		20
Thallium, Total	ND	11.2	10.9	98		10.7	96		75-125	2		20
Vanadium, Total	17.0	46.5	62.4	98		61.6	96		75-125	1		20

### Matrix Spike Analysis Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1805526-3 WG1805526-4 QC Sample: L2341450-01 Client ID: MS Sample									
Zinc, Total	18.9	46.5	66.4	102	65.8	101	75-125	1	20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1805528-3 WG1805528-4 QC Sample: L2341450-01 Client ID: MS Sample									
Mercury, Total	0.125	1.73	2.07	112	2.00	109	80-120	3	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03,05,09-11,15-17 QC Batch ID: WG1806098-3 QC Sample: L2341090-01 Client ID: MS Sample									
Arsenic, TCLP	ND	1.2	1.12	93	-	-	75-125	-	20
Barium, TCLP	0.691	20	17.1	82	-	-	75-125	-	20
Cadmium, TCLP	ND	0.53	0.468	88	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.70	85	-	-	75-125	-	20
Lead, TCLP	ND	5.3	4.58	86	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.13	94	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.436	87	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03,05,09-11,15-17 QC Batch ID: WG1806102-3 QC Sample: L2341090-01 Client ID: MS Sample									
Mercury, TCLP	ND	0.025	0.0242	97	-	-	75-125	-	20





### Matrix Spike Analysis Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04,06-08,12-14 QC Batch ID: WG1806240-3 QC Sample: L2341132-04 Client ID: SS-BCP-24-07182023									
Arsenic, TCLP	0.0290J	1.2	1.25	104	-	-	75-125	-	20
Barium, TCLP	0.479J	20	20.1	100	-	-	75-125	-	20
Cadmium, TCLP	ND	0.53	0.499	94	-	-	75-125	-	20
Chromium, TCLP	ND	2	2.12	106	-	-	75-125	-	20
Lead, TCLP	0.0632J	5.3	5.50	104	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.18	98	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.493	99	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04,06-08,12-14 QC Batch ID: WG1806241-3 QC Sample: L2341132-04 Client ID: SS-BCP-24-07182023									
Mercury, TCLP	ND	0.025	0.0228	91	-	-	75-125	-	20

## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03,05,09-11,15-17 QC Batch ID: WG1806098-4 QC Sample: L2341090-01 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.691	0.731	mg/l	6		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03,05,09-11,15-17 QC Batch ID: WG1806102-4 QC Sample: L2341090-01 Client ID: DUP Sample						
Mercury, TCLP	ND	0.0005J	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04,06-08,12-14 QC Batch ID: WG1806240-4 QC Sample: L2341132-04 Client ID: SS-BCP-24-07182023						
Arsenic, TCLP	0.0290J	0.0477J	mg/l	NC		20
Barium, TCLP	0.479J	0.512	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	0.0632J	0.0734J	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20

## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 04,06-08,12-14 QC Batch ID: WG1806241-4 QC Sample: L2341132-04 Client ID: SS-BCP-24-07182023					
Mercury, TCLP	ND	ND	mg/l	NC	20

# **INORGANICS & MISCELLANEOUS**

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

### SAMPLE RESULTS

**Lab ID:** L2341132-01  
**Client ID:** SS-BCP-21-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 11:55  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

### Test Material Information

**Source of Material:** Unknown  
**Description of Material:** Non-Metallic - Wet Soil  
**Particle Size:** Medium  
**Preliminary Burning Time (sec):** 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/27/23 12:21	1,1030	MMJ



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

### SAMPLE RESULTS

**Lab ID:** L2341132-02  
**Client ID:** SS-BCP-22-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 11:15  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

### Test Material Information

**Source of Material:** Unknown  
**Description of Material:** Non-Metallic - Damp Clay  
**Particle Size:** Medium  
**Preliminary Burning Time (sec):** 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/27/23 12:21	1,1030	MMJ



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

### SAMPLE RESULTS

**Lab ID:** L2341132-03  
**Client ID:** SS-BCP-23-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 12:00  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

### Test Material Information

**Source of Material:** Unknown  
**Description of Material:** Non-Metallic - Damp Clay  
**Particle Size:** Medium  
**Preliminary Burning Time (sec):** 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/27/23 12:21	1,1030	MMJ



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

### SAMPLE RESULTS

**Lab ID:** L2341132-04  
**Client ID:** SS-BCP-24-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 11:35  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

### Test Material Information

**Source of Material:** Unknown  
**Description of Material:** Non-Metallic - Wet Clay  
**Particle Size:** Fine  
**Preliminary Burning Time (sec):** 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/27/23 12:21	1,1030	MMJ





**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

### SAMPLE RESULTS

**Lab ID:** L2341132-05  
**Client ID:** SS-BCP-25-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 14:00  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

### Test Material Information

**Source of Material:** Unknown  
**Description of Material:** Non-Metallic - Wet Clay  
**Particle Size:** Fine  
**Preliminary Burning Time (sec):** 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/27/23 12:21	1,1030	MMJ



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

### SAMPLE RESULTS

**Lab ID:** L2341132-06  
**Client ID:** SS-BCP-21-02-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 14:45  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

### Test Material Information

**Source of Material:** Unknown  
**Description of Material:** Non-Metallic - Damp Soil  
**Particle Size:** Fine  
**Preliminary Burning Time (sec):** 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/27/23 12:21	1,1030	MMJ



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

### SAMPLE RESULTS

**Lab ID:** L2341132-07  
**Client ID:** SS-BCP-21-04-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 14:50  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

### Test Material Information

**Source of Material:** Unknown  
**Description of Material:** Non-Metallic - Damp Soil  
**Particle Size:** Medium  
**Preliminary Burning Time (sec):** 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/28/23 15:27	1,1030	GEF



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

### SAMPLE RESULTS

**Lab ID:** L2341132-08  
**Client ID:** SS-BCP-21-06-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 14:55  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

### Test Material Information

**Source of Material:** Unknown  
**Description of Material:** Non-Metallic - Damp Soil  
**Particle Size:** Medium  
**Preliminary Burning Time (sec):** 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/28/23 15:27	1,1030	GEF



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

### SAMPLE RESULTS

**Lab ID:** L2341132-09  
**Client ID:** SS-BCP-22-02-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 15:00  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

### Test Material Information

**Source of Material:** Unknown  
**Description of Material:** Non-Metallic - Wet Soil  
**Particle Size:** Medium  
**Preliminary Burning Time (sec):** 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/28/23 15:27	1,1030	GEF



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

### SAMPLE RESULTS

**Lab ID:** L2341132-10  
**Client ID:** SS-BCP-22-04-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 15:02  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

### Test Material Information

**Source of Material:** Unknown  
**Description of Material:** Non-Metallic - Wet Soil  
**Particle Size:** Medium  
**Preliminary Burning Time (sec):** 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/28/23 15:27	1,1030	GEF



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

### SAMPLE RESULTS

**Lab ID:** L2341132-11  
**Client ID:** SS-BCP-22-06-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 15:06  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

### Test Material Information

**Source of Material:** Unknown  
**Description of Material:** Non-Metallic - Wet Soil  
**Particle Size:** Medium  
**Preliminary Burning Time (sec):** 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/28/23 15:27	1,1030	GEF



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

### SAMPLE RESULTS

**Lab ID:** L2341132-12  
**Client ID:** SS-BCP-23-02-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 15:39  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

### Test Material Information

**Source of Material:** Unknown  
**Description of Material:** Non-Metallic - Damp Soil  
**Particle Size:** Medium  
**Preliminary Burning Time (sec):** 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/28/23 15:27	1,1030	GEF





**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

### SAMPLE RESULTS

**Lab ID:** L2341132-13  
**Client ID:** SS-BCP-23-04-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 15:41  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

### Test Material Information

**Source of Material:** Unknown  
**Description of Material:** Non-Metallic - Damp Soil  
**Particle Size:** Medium  
**Preliminary Burning Time (sec):** 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/28/23 15:27	1,1030	GEF



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

### SAMPLE RESULTS

**Lab ID:** L2341132-14  
**Client ID:** SS-BCP-23-06-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 15:44  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

### Test Material Information

**Source of Material:** Unknown  
**Description of Material:** Non-Metallic - Damp Soil  
**Particle Size:** Medium  
**Preliminary Burning Time (sec):** 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/28/23 15:27	1,1030	GEF



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

### SAMPLE RESULTS

**Lab ID:** L2341132-15  
**Client ID:** SS-BCP-24-02-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 15:35  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

### Test Material Information

**Source of Material:** Unknown  
**Description of Material:** Non-Metallic - Wet Soil  
**Particle Size:** Medium  
**Preliminary Burning Time (sec):** 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/28/23 15:27	1,1030	GEF



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

### SAMPLE RESULTS

**Lab ID:** L2341132-16  
**Client ID:** SS-BCP-24-04-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 15:38  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

### Test Material Information

**Source of Material:** Unknown  
**Description of Material:** Non-Metallic - Wet Soil  
**Particle Size:** Medium  
**Preliminary Burning Time (sec):** 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/28/23 15:27	1,1030	GEF



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

### SAMPLE RESULTS

**Lab ID:** L2341132-17  
**Client ID:** SS-BCP-24-06-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 15:40  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

### Test Material Information

**Source of Material:** Unknown  
**Description of Material:** Non-Metallic - Wet Soil  
**Particle Size:** Medium  
**Preliminary Burning Time (sec):** 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/28/23 15:27	1,1030	GEF



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

**Lab ID:** L2341132-01  
**Client ID:** SS-BCP-21-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 11:55  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	73.5		%	0.100	NA	1	-	07/20/23 12:08	121,2540G	ROI
Cyanide, Total	4.3		mg/kg	1.3	0.27	1	07/31/23 03:10	07/31/23 15:51	1,9010C/9012B	JER
pH (H)	8.06		SU	-	NA	1	-	07/31/23 22:34	1,9045D	AAS
Nitrogen, Ammonia	250		mg/kg	10	3.7	1	07/23/23 19:24	07/24/23 13:39	121,4500NH3-BH	KEP
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 01:11	125,7.3	QJM
Sulfide, Reactive	340		mg/kg	50	50.	5	07/28/23 23:20	07/29/23 02:40	125,7.3	QJM



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

**Lab ID:** L2341132-02  
**Client ID:** SS-BCP-22-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 11:15  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	77.7		%	0.100	NA	1	-	07/20/23 12:08	121,2540G	ROI
Cyanide, Total	1.4		mg/kg	1.2	0.25	1	07/31/23 03:10	07/31/23 15:52	1,9010C/9012B	JER
pH (H)	8.39		SU	-	NA	1	-	07/31/23 22:34	1,9045D	AAS
Nitrogen, Ammonia	76		mg/kg	9.5	3.5	1	07/23/23 19:24	07/24/23 13:40	121,4500NH3-BH	KEP
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 01:11	125,7.3	QJM
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 02:41	125,7.3	QJM



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

**Lab ID:** L2341132-03  
**Client ID:** SS-BCP-23-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 12:00  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	75.5		%	0.100	NA	1	-	07/20/23 12:08	121,2540G	ROI
Cyanide, Total	0.87	J	mg/kg	1.2	0.26	1	07/31/23 03:10	07/31/23 15:53	1,9010C/9012B	JER
pH (H)	8.55		SU	-	NA	1	-	07/31/23 22:34	1,9045D	AAS
Nitrogen, Ammonia	440		mg/kg	91	34.	10	07/23/23 19:24	07/24/23 13:24	121,4500NH3-BH	KEP
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 01:11	125,7.3	QJM
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 02:42	125,7.3	QJM





**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

**Lab ID:** L2341132-04  
**Client ID:** SS-BCP-24-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 11:35  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	76.4		%	0.100	NA	1	-	07/20/23 12:08	121,2540G	ROI
Cyanide, Total	2.7		mg/kg	1.2	0.26	1	07/31/23 03:10	07/31/23 15:54	1,9010C/9012B	JER
pH (H)	8.42		SU	-	NA	1	-	07/31/23 22:34	1,9045D	AAS
Nitrogen, Ammonia	920		mg/kg	97	36.	10	07/23/23 19:24	07/24/23 13:25	121,4500NH3-BH	KEP
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 01:11	125,7.3	QJM
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 02:42	125,7.3	QJM



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

**Lab ID:** L2341132-05  
**Client ID:** SS-BCP-25-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 14:00  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	72.2		%	0.100	NA	1	-	07/20/23 12:08	121,2540G	ROI
Cyanide, Total	2.5		mg/kg	1.4	0.29	1	07/31/23 03:10	07/31/23 15:55	1,9010C/9012B	JER
pH (H)	8.77		SU	-	NA	1	-	07/31/23 22:34	1,9045D	AAS
Nitrogen, Ammonia	350		mg/kg	10	3.8	1	07/23/23 19:24	07/24/23 13:41	121,4500NH3-BH	KEP
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 01:12	125,7.3	QJM
Sulfide, Reactive	31		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 02:42	125,7.3	QJM



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

**Lab ID:** L2341132-06  
**Client ID:** SS-BCP-21-02-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 14:45  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	89.7		%	0.100	NA	1	-	07/20/23 12:08	121,2540G	ROI
pH (H)	11.3		SU	-	NA	1	-	07/31/23 22:34	1,9045D	AAS
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 01:13	125,7.3	QJM
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 02:44	125,7.3	QJM



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

**Lab ID:** L2341132-07  
**Client ID:** SS-BCP-21-04-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 14:50  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	86.2		%	0.100	NA	1	-	07/20/23 12:08	121,2540G	ROI
pH (H)	11.7		SU	-	NA	1	-	07/31/23 22:34	1,9045D	AAS
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 01:13	125,7.3	QJM
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 02:44	125,7.3	QJM



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

**Lab ID:** L2341132-08  
**Client ID:** SS-BCP-21-06-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 14:55  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	89.0		%	0.100	NA	1	-	07/20/23 12:08	121,2540G	ROI
pH (H)	12.0		SU	-	NA	1	-	07/31/23 22:34	1,9045D	AAS
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 01:14	125,7.3	QJM
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 02:44	125,7.3	QJM



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

**Lab ID:** L2341132-09  
**Client ID:** SS-BCP-22-02-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 15:00  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	83.9		%	0.100	NA	1	-	07/20/23 12:08	121,2540G	ROI
pH (H)	11.6		SU	-	NA	1	-	07/31/23 22:34	1,9045D	AAS
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 01:14	125,7.3	QJM
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 02:45	125,7.3	QJM



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

**Lab ID:** L2341132-10  
**Client ID:** SS-BCP-22-04-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 15:02  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	85.3		%	0.100	NA	1	-	07/20/23 12:08	121,2540G	ROI
pH (H)	11.8		SU	-	NA	1	-	07/31/23 22:34	1,9045D	AAS
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 01:14	125,7.3	QJM
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 02:45	125,7.3	QJM



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

**Lab ID:** L2341132-11  
**Client ID:** SS-BCP-22-06-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 15:06  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	84.5		%	0.100	NA	1	-	07/20/23 12:08	121,2540G	ROI
pH (H)	12.0		SU	-	NA	1	-	07/31/23 22:34	1,9045D	AAS
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 01:15	125,7.3	QJM
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 02:45	125,7.3	QJM





**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

**Lab ID:** L2341132-12  
**Client ID:** SS-BCP-23-02-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 15:39  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	89.3		%	0.100	NA	1	-	07/20/23 12:08	121,2540G	ROI
pH (H)	11.6		SU	-	NA	1	-	07/31/23 22:34	1,9045D	AAS
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 01:15	125,7.3	QJM
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 02:46	125,7.3	QJM



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

**Lab ID:** L2341132-13  
**Client ID:** SS-BCP-23-04-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 15:41  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	91.3		%	0.100	NA	1	-	07/20/23 12:08	121,2540G	ROI
pH (H)	11.9		SU	-	NA	1	-	07/31/23 22:34	1,9045D	AAS
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 01:15	125,7.3	QJM
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 02:46	125,7.3	QJM



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

**Lab ID:** L2341132-14  
**Client ID:** SS-BCP-23-06-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 15:44  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	87.3		%	0.100	NA	1	-	07/20/23 12:08	121,2540G	ROI
pH (H)	12.2		SU	-	NA	1	-	07/31/23 22:34	1,9045D	AAS
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 01:16	125,7.3	QJM
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 02:46	125,7.3	QJM



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

**Lab ID:** L2341132-15  
**Client ID:** SS-BCP-24-02-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 15:35  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	86.6		%	0.100	NA	1	-	07/20/23 12:08	121,2540G	ROI
pH (H)	11.5		SU	-	NA	1	-	07/31/23 22:34	1,9045D	AAS
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 01:16	125,7.3	QJM
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 02:47	125,7.3	QJM



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

**Lab ID:** L2341132-16  
**Client ID:** SS-BCP-24-04-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 15:38  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	84.8		%	0.100	NA	1	-	07/20/23 12:08	121,2540G	ROI
pH (H)	11.5		SU	-	NA	1	-	07/31/23 22:34	1,9045D	AAS
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 01:17	125,7.3	QJM
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 02:48	125,7.3	QJM



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**SAMPLE RESULTS**

**Lab ID:** L2341132-17  
**Client ID:** SS-BCP-24-06-07182023  
**Sample Location:** 3875 RIVER ROAD, TONAWANDA

**Date Collected:** 07/18/23 15:40  
**Date Received:** 07/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	85.7		%	0.100	NA	1	-	07/20/23 12:08	121,2540G	ROI
pH (H)	11.8		SU	-	NA	1	-	07/31/23 22:34	1,9045D	AAS
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 01:18	125,7.3	QJM
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 02:48	125,7.3	QJM



**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

**Method Blank Analysis**  
**Batch Quality Control**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG1806477-1										
Nitrogen, Ammonia	ND		mg/kg	7.5	0.02	1	07/23/23 19:24	07/24/23 13:02	121,4500NH3-BH	KEP
General Chemistry - Westborough Lab for sample(s): 01-17 Batch: WG1809173-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 02:38	125,7.3	QJM
General Chemistry - Westborough Lab for sample(s): 01-17 Batch: WG1809176-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/28/23 23:20	07/29/23 01:08	125,7.3	QJM
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG1809606-1										
Cyanide, Total	ND		mg/kg	0.86	0.18	1	07/31/23 03:10	07/31/23 15:16	1,9010C/9012B	JER

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1806477-2								
Nitrogen, Ammonia	90		-		83-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-17 Batch: WG1809173-2								
Sulfide, Reactive	70		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-17 Batch: WG1809176-2								
Cyanide, Reactive	79		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1809606-2 WG1809606-3								
Cyanide, Total	72	Q	82		80-120	9		35
General Chemistry - Westborough Lab Associated sample(s): 01-17 Batch: WG1810042-1								
pH	100		-		99-101	-		



### Matrix Spike Analysis Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1806477-4 QC Sample: L2340893-01 Client ID: MS Sample												
Nitrogen, Ammonia	8900	550	7900	0	Q	-	-		55-144	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1809606-4 WG1809606-5 QC Sample: L2341092-04 Client ID: MS Sample												
Cyanide, Total	0.66J	12	10	77		4.3	29	Q	75-125	90	Q	35

### Lab Duplicate Analysis Batch Quality Control

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Lab Number:** L2341132  
**Report Date:** 08/10/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-17 QC Batch ID: WG1805490-1 QC Sample: L2341132-01 Client ID: SS-BCP-21-07182023						
Solids, Total	73.5	71.8	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1806477-3 QC Sample: L2340893-01 Client ID: DUP Sample						
Nitrogen, Ammonia	8900	7700	mg/kg	14		20
General Chemistry - Westborough Lab Associated sample(s): 01-17 QC Batch ID: WG1809173-3 QC Sample: L2340991-02 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-17 QC Batch ID: WG1809176-3 QC Sample: L2340991-02 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-17 QC Batch ID: WG1810042-2 QC Sample: L2341132-01 Client ID: SS-BCP-21-07182023						
pH (H)	8.06	7.86	SU	3		5

**Project Name:** RITC**Lab Number:** L2341132**Project Number:** PD1WP BENCH SCALES**Report Date:** 08/10/23**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

Cooler	Custody Seal
A	Absent
B	Absent

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2341132-01A	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2341132-01B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2341132-01C	Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		TCN-9010(14),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),PH-9045(1),REACTCN(14),NH3-4500(28)
L2341132-01D	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		TCN-9010(14),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),PH-9045(1),REACTCN(14),NH3-4500(28)
L2341132-01E	Vial Large Septa unpreserved (4oz)	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14),TCLP-EXT-ZHE(14)
L2341132-01F	Vial Large Septa unpreserved (4oz)	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14),TCLP-EXT-ZHE(14)
L2341132-01G	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		TCN-9010(14),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),PH-9045(1),REACTCN(14),NH3-4500(28)
L2341132-01T	Vial MeOH preserved split	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2341132-01U	Vial Water preserved split	A	NA		3.3	Y	Absent	26-JUL-23 07:20	NYTCL-8260-R2(14)
L2341132-01V	Vial Water preserved split	A	NA		3.3	Y	Absent	26-JUL-23 07:20	NYTCL-8260-R2(14)
L2341132-01W	Amber 1000ml unpreserved Extracts	A	NA		3.3	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2341132-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.3	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2341132-01X9	Tumble Vessel	A	NA		3.3	Y	Absent		-
L2341132-01Y	Vial unpreserved Extracts	A	NA		3.3	Y	Absent		TCLP-VOA(14)
L2341132-01Z	Vial unpreserved Extracts	A	NA		3.3	Y	Absent		TCLP-VOA(14)
L2341132-02A	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)

**Project Name:** RITC  
**Project Number:** PD1WP BENCH SCALES

**Serial\_No:**08102316:57  
**Lab Number:** L2341132  
**Report Date:** 08/10/23

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2341132-02B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2341132-02C	Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),PH-9045(1),REACTCN(14),NH3-4500(28)
L2341132-02D	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),PH-9045(1),REACTCN(14),NH3-4500(28)
L2341132-02E	Vial Large Septa unpreserved (4oz)	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14),TCLP-EXT-ZHE(14)
L2341132-02F	Vial Large Septa unpreserved (4oz)	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14),TCLP-EXT-ZHE(14)
L2341132-02G	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),PH-9045(1),REACTCN(14),NH3-4500(28)
L2341132-02T	Vial MeOH preserved split	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2341132-02U	Vial Water preserved split	A	NA		3.3	Y	Absent	<b>26-JUL-23 07:20</b>	NYTCL-8260-R2(14)
L2341132-02V	Vial Water preserved split	A	NA		3.3	Y	Absent	<b>26-JUL-23 07:20</b>	NYTCL-8260-R2(14)
L2341132-02W	Amber 1000ml unpreserved Extracts	A	NA		3.3	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2341132-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.3	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2341132-02X9	Tumble Vessel	A	NA		3.3	Y	Absent		-
L2341132-02Y	Vial unpreserved Extracts	A	NA		3.3	Y	Absent		TCLP-VOA(14)
L2341132-02Z	Vial unpreserved Extracts	A	NA		3.3	Y	Absent		TCLP-VOA(14)
L2341132-03A	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2341132-03B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2341132-03C	Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),IGNIT-1030(14),REACTS(14),PH-9045(1),REACTCN(14),NH3-4500(28)
L2341132-03D	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),IGNIT-1030(14),REACTS(14),PH-9045(1),REACTCN(14),NH3-4500(28)

\*Values in parentheses indicate holding time in days



Project Name: RITC

Lab Number: L2341132

Project Number: PD1WP BENCH SCALES

Report Date: 08/10/23

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2341132-03E	Vial Large Septa unpreserved (4oz)	A	NA		3.3	Y	Absent		TCLP-EXT-ZHE(14),NYTCL-8260-R2(14)
L2341132-03F	Vial Large Septa unpreserved (4oz)	A	NA		3.3	Y	Absent		TCLP-EXT-ZHE(14),NYTCL-8260-R2(14)
L2341132-03G	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),IGNIT-1030(14),REACTS(14),PH-9045(1),REACTCN(14),NH3-4500(28)
L2341132-03T	Vial MeOH preserved split	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2341132-03U	Vial Water preserved split	A	NA		3.3	Y	Absent	26-JUL-23 07:20	NYTCL-8260-R2(14)
L2341132-03V	Vial Water preserved split	A	NA		3.3	Y	Absent	26-JUL-23 07:20	NYTCL-8260-R2(14)
L2341132-03W	Amber 1000ml unpreserved Extracts	A	NA		3.3	Y	Absent		TCLP-8270(14),PEST-TCLP*(14),HERB-TCLP*(14)
L2341132-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.3	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2341132-03X9	Tumble Vessel	A	NA		3.3	Y	Absent		-
L2341132-03Y	Vial unpreserved Extracts	A	NA		3.3	Y	Absent		TCLP-VOA(14)
L2341132-03Z	Vial unpreserved Extracts	A	NA		3.3	Y	Absent		TCLP-VOA(14)
L2341132-04A	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2341132-04B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2341132-04C	Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),REACTS(14),IGNIT-1030(14),TCN-9010(14),PH-9045(1),REACTCN(14),NH3-4500(28)
L2341132-04D	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),REACTS(14),IGNIT-1030(14),TCN-9010(14),PH-9045(1),REACTCN(14),NH3-4500(28)
L2341132-04E	Vial Large Septa unpreserved (4oz)	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14),TCLP-EXT-ZHE(14)
L2341132-04F	Vial Large Septa unpreserved (4oz)	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14),TCLP-EXT-ZHE(14)
L2341132-04G	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),REACTS(14),IGNIT-1030(14),TCN-9010(14),PH-9045(1),REACTCN(14),NH3-4500(28)
L2341132-04T	Vial MeOH preserved split	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2341132-04U	Vial Water preserved split	A	NA		3.3	Y	Absent	26-JUL-23 07:20	NYTCL-8260-R2(14)
L2341132-04V	Vial Water preserved split	A	NA		3.3	Y	Absent	26-JUL-23 07:20	NYTCL-8260-R2(14)

Project Name: RITC

Lab Number: L2341132

Project Number: PD1WP BENCH SCALES

Report Date: 08/10/23

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2341132-04W	Amber 1000ml unpreserved Extracts	A	NA		3.3	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2341132-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.3	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2341132-04X9	Tumble Vessel	A	NA		3.3	Y	Absent		-
L2341132-04Y	Vial unpreserved Extracts	A	NA		3.3	Y	Absent		TCLP-VOA(14)
L2341132-04Z	Vial unpreserved Extracts	A	NA		3.3	Y	Absent		TCLP-VOA(14)
L2341132-05A	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2341132-05B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2341132-05C	Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		REACTS(14),IGNIT-1030(14),NYTCL-8270(14),TCN-9010(14),PH-9045(1),REACTCN(14),NH3-4500(28)
L2341132-05D	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		REACTS(14),IGNIT-1030(14),NYTCL-8270(14),TCN-9010(14),PH-9045(1),REACTCN(14),NH3-4500(28)
L2341132-05E	Vial Large Septa unpreserved (4oz)	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2341132-05F	Vial Large Septa unpreserved (4oz)	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2341132-05G	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		REACTS(14),IGNIT-1030(14),NYTCL-8270(14),TCN-9010(14),PH-9045(1),REACTCN(14),NH3-4500(28)
L2341132-05T	Vial MeOH preserved split	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2341132-05U	Vial Water preserved split	A	NA		3.3	Y	Absent	26-JUL-23 07:20	NYTCL-8260-R2(14)
L2341132-05V	Vial Water preserved split	A	NA		3.3	Y	Absent	26-JUL-23 07:20	NYTCL-8260-R2(14)
L2341132-05W	Amber 1000ml unpreserved Extracts	A	NA		3.3	Y	Absent		TCLP-8270(14),PEST-TCLP*(14),HERB-TCLP*(14)
L2341132-05X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.3	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2341132-05X9	Tumble Vessel	A	NA		3.3	Y	Absent		-
L2341132-06A	Vial Large Septa unpreserved (4oz)	A	NA		3.3	Y	Absent		TCLP-EXT-ZHE(14)
L2341132-06B	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),REACTCN(14)

**Project Name:** RITC**Lab Number:** L2341132**Project Number:** PD1WP BENCH SCALES**Report Date:** 08/10/23**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2341132-06W	Amber 1000ml unpreserved Extracts	A	NA		3.3	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2341132-06X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.3	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2341132-06X9	Tumble Vessel	A	NA		3.3	Y	Absent		-
L2341132-06Y	Vial unpreserved Extracts	A	NA		3.3	Y	Absent		TCLP-VOA(14)
L2341132-06Z	Vial unpreserved Extracts	A	NA		3.3	Y	Absent		TCLP-VOA(14)
L2341132-07A	Vial Large Septa unpreserved (4oz)	A	NA		3.3	Y	Absent		TCLP-EXT-ZHE(14)
L2341132-07B	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),REACTCN(14)
L2341132-07W	Amber 1000ml unpreserved Extracts	A	NA		3.3	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2341132-07X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.3	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2341132-07X9	Tumble Vessel	A	NA		3.3	Y	Absent		-
L2341132-07Y	Vial unpreserved Extracts	A	NA		3.3	Y	Absent		TCLP-VOA(14)
L2341132-07Z	Vial unpreserved Extracts	A	NA		3.3	Y	Absent		TCLP-VOA(14)
L2341132-08A	Vial Large Septa unpreserved (4oz)	A	NA		3.3	Y	Absent		TCLP-EXT-ZHE(14)
L2341132-08B	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),REACTCN(14)
L2341132-08W	Amber 1000ml unpreserved Extracts	A	NA		3.3	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2341132-08X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.3	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2341132-08X9	Tumble Vessel	A	NA		3.3	Y	Absent		-
L2341132-08Y	Vial unpreserved Extracts	A	NA		3.3	Y	Absent		TCLP-VOA(14)
L2341132-08Z	Vial unpreserved Extracts	A	NA		3.3	Y	Absent		TCLP-VOA(14)
L2341132-09A	Vial Large Septa unpreserved (4oz)	B	NA		2.5	Y	Absent		TCLP-EXT-ZHE(14)
L2341132-09B	Glass 500ml/16oz unpreserved	B	NA		2.5	Y	Absent		REACTS(14),IGNIT-1030(14),TS(7),PH-9045(1),REACTCN(14)
L2341132-09W	Amber 1000ml unpreserved Extracts	B	NA		2.5	Y	Absent		TCLP-8270(14),PEST-TCLP*(14),HERB-TCLP*(14)
L2341132-09X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.5	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)

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**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2341132-09X9	Tumble Vessel	B	NA		2.5	Y	Absent		-
L2341132-09Y	Vial unpreserved Extracts	B	NA		2.5	Y	Absent		TCLP-VOA(14)
L2341132-09Z	Vial unpreserved Extracts	B	NA		2.5	Y	Absent		TCLP-VOA(14)
L2341132-10A	Vial Large Septa unpreserved (4oz)	B	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2341132-10B	Glass 500ml/16oz unpreserved	B	NA		2.5	Y	Absent		IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),REACTCN(14)
L2341132-10S	Vial MeOH preserved split	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2341132-10T	Vial Water preserved split	NA	NA			Y	Absent	<b>31-JUL-23 12:52</b>	NYTCL-8260-R2(14)
L2341132-10U	Vial Water preserved split	NA	NA			Y	Absent	<b>31-JUL-23 12:52</b>	NYTCL-8260-R2(14)
L2341132-10W	Amber 1000ml unpreserved Extracts	B	NA		2.5	Y	Absent		TCLP-8270(14),PEST-TCLP*(14),HERB-TCLP*(14)
L2341132-10X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.5	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2341132-10X9	Tumble Vessel	B	NA		2.5	Y	Absent		-
L2341132-11A	Vial Large Septa unpreserved (4oz)	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2341132-11B	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),REACTCN(14)
L2341132-11S	Vial MeOH preserved split	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2341132-11T	Vial Water preserved split	NA	NA			Y	Absent	<b>31-JUL-23 12:52</b>	NYTCL-8260-R2(14)
L2341132-11U	Vial Water preserved split	NA	NA			Y	Absent	<b>31-JUL-23 12:52</b>	NYTCL-8260-R2(14)
L2341132-11W	Amber 1000ml unpreserved Extracts	A	NA		3.3	Y	Absent		TCLP-8270(14),PEST-TCLP*(14),HERB-TCLP*(14)
L2341132-11X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.3	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2341132-11X9	Tumble Vessel	A	NA		3.3	Y	Absent		-
L2341132-12A	Vial Large Septa unpreserved (4oz)	B	NA		2.5	Y	Absent		TCLP-EXT-ZHE(14)
L2341132-12B	Glass 500ml/16oz unpreserved	B	NA		2.5	Y	Absent		IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),REACTCN(14)
L2341132-12W	Amber 1000ml unpreserved Extracts	B	NA		2.5	Y	Absent		TCLP-8270(14),PEST-TCLP*(14),HERB-TCLP*(14)
L2341132-12X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.5	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2341132-12X9	Tumble Vessel	B	NA		2.5	Y	Absent		-



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**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2341132-12Y	Vial unpreserved Extracts	B	NA		2.5	Y	Absent		TCLP-VOA(14)
L2341132-12Z	Vial unpreserved Extracts	B	NA		2.5	Y	Absent		TCLP-VOA(14)
L2341132-13A	Vial Large Septa unpreserved (4oz)	B	NA		2.5	Y	Absent		TCLP-EXT-ZHE(14)
L2341132-13B	Glass 500ml/16oz unpreserved	B	NA		2.5	Y	Absent		REACTS(14),IGNIT-1030(14),TS(7),PH-9045(1),REACTCN(14)
L2341132-13W	Amber 1000ml unpreserved Extracts	B	NA		2.5	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2341132-13X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.5	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2341132-13X9	Tumble Vessel	B	NA		2.5	Y	Absent		-
L2341132-13Y	Vial unpreserved Extracts	B	NA		2.5	Y	Absent		TCLP-VOA(14)
L2341132-13Z	Vial unpreserved Extracts	B	NA		2.5	Y	Absent		TCLP-VOA(14)
L2341132-14A	Vial Large Septa unpreserved (4oz)	B	NA		2.5	Y	Absent		TCLP-EXT-ZHE(14)
L2341132-14B	Glass 500ml/16oz unpreserved	B	NA		2.5	Y	Absent		REACTS(14),IGNIT-1030(14),TS(7),PH-9045(1),REACTCN(14)
L2341132-14W	Amber 1000ml unpreserved Extracts	B	NA		2.5	Y	Absent		TCLP-8270(14),PEST-TCLP*(14),HERB-TCLP*(14)
L2341132-14X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.5	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2341132-14X9	Tumble Vessel	B	NA		2.5	Y	Absent		-
L2341132-14Y	Vial unpreserved Extracts	B	NA		2.5	Y	Absent		TCLP-VOA(14)
L2341132-14Z	Vial unpreserved Extracts	B	NA		2.5	Y	Absent		TCLP-VOA(14)
L2341132-15A	Vial Large Septa unpreserved (4oz)	B	NA		2.5	Y	Absent		TCLP-EXT-ZHE(14)
L2341132-15B	Glass 500ml/16oz unpreserved	B	NA		2.5	Y	Absent		IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),REACTCN(14)
L2341132-15W	Amber 1000ml unpreserved Extracts	B	NA		2.5	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2341132-15X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.5	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2341132-15X9	Tumble Vessel	B	NA		2.5	Y	Absent		-
L2341132-15Y	Vial unpreserved Extracts	B	NA		2.5	Y	Absent		TCLP-VOA(14)
L2341132-15Z	Vial unpreserved Extracts	B	NA		2.5	Y	Absent		TCLP-VOA(14)
L2341132-16A	Vial Large Septa unpreserved (4oz)	B	NA		2.5	Y	Absent		NYTCL-8260-R2(14)

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**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2341132-16B	Glass 500ml/16oz unpreserved	B	NA		2.5	Y	Absent		REACTS(14),IGNIT-1030(14),TS(7),PH-9045(1),REACTCN(14)
L2341132-16S	Vial MeOH preserved split	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2341132-16T	Vial Water preserved split	NA	NA			Y	Absent	<b>31-JUL-23 12:52</b>	NYTCL-8260-R2(14)
L2341132-16U	Vial Water preserved split	NA	NA			Y	Absent	<b>31-JUL-23 12:52</b>	NYTCL-8260-R2(14)
L2341132-16W	Amber 1000ml unpreserved Extracts	B	NA		2.5	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2341132-16X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.5	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2341132-16X9	Tumble Vessel	B	NA		2.5	Y	Absent		-
L2341132-17A	Vial Large Septa unpreserved (4oz)	B	NA		2.5	Y	Absent		TCLP-EXT-ZHE(14)
L2341132-17B	Glass 500ml/16oz unpreserved	B	NA		2.5	Y	Absent		REACTS(14),IGNIT-1030(14),TS(7),PH-9045(1),REACTCN(14)
L2341132-17W	Amber 1000ml unpreserved Extracts	B	NA		2.5	Y	Absent		TCLP-8270(14),PEST-TCLP*(14),HERB-TCLP*(14)
L2341132-17X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.5	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2341132-17X9	Tumble Vessel	B	NA		2.5	Y	Absent		-
L2341132-17Y	Vial unpreserved Extracts	B	NA		2.5	Y	Absent		TCLP-VOA(14)
L2341132-17Z	Vial unpreserved Extracts	B	NA		2.5	Y	Absent		TCLP-VOA(14)

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## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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### Footnotes

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

### Terms

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

**Chlordane:** The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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

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

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

**Gasoline Range Organics (GRO):** Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

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#### Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

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## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

## LIMITATION OF LIABILITIES

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

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



## Certification Information

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

### Westborough Facility

**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625.1:** alpha-Terpineol

**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

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

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).

**Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.

**EPA 522, EPA 537.1.**

#### Non-Potable Water


**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.


**EPA 245.1** Hg.

**SM2340B**

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

	<b>NEW YORK CHAIN OF CUSTODY</b>	<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page <b>1</b> of <b>2</b>	Date Rec'd in Lab <b>7/19/23</b>	ALPHA Job # <b>L2341132</b>								
	Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288											
<b>Project Information</b> Project Name: <b>RITE</b> Project Location: <b>3875 RIVER ROAD, TONAWANDA</b> Project # <b>PDI WP BENCH SCALES</b> (Use Project name as Project #) <input type="checkbox"/>			<b>Deliverables</b> <input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input checked="" type="checkbox"/> EQuIS (1 File) <input type="checkbox"/> EQuIS (4 File) <input type="checkbox"/> Other		<b>Billing Information</b> <input checked="" type="checkbox"/> Same as Client Info PO #								
<b>Client Information</b> Client: <b>INVENTUM ENG</b> Address: <b>441 CARLISLE DR</b> <b>HERNDON VA, 20170</b> Phone: <b>585-734-5255</b> Fax: <b>john.black@inventumeng.com</b> Standard <input checked="" type="checkbox"/> Due Date: Email: <b>roxanne.birx@</b> Rtsh (only if pre approved) <input type="checkbox"/> # of Days:			<b>Regulatory Requirement</b> <input type="checkbox"/> NY TOGS <input checked="" type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		<b>Disposal Site Information</b> Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input checked="" type="checkbox"/> NY <input type="checkbox"/> Other:								
These samples have been previously analyzed by Alpha <input type="checkbox"/> <b>Other project specific requirements/comments:</b> <b>HAZCAT-REACTIVITY, CORROSIIVITY, IGNITABILITY</b> <b>Please specify Metals or TAL.</b>			<b>ANALYSIS</b> TCL VOCs 8260 TCL SVOCs 8270 TOTAL CYANIDE TAL METALS, Hg AMMONIA FULL TELP HAZ CAT		<b>Sample Filtration</b> <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <b>Preservation</b> <input type="checkbox"/> Lab to do (Please Specify below)								
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date      Time	Sample Matrix	Sampler's Initials	TCL VOCs 8260	TCL SVOCs 8270	TOTAL CYANIDE	TAL METALS, Hg	AMMONIA	FULL TELP	HAZ CAT	Sample Specific Comments	Total Bottle
41132-01	SS-BCP-21-07182023	7/18/23 11:55	SD	RB	X	X	X	X	X	X	X		
02	SS-BCP-22-07182023	11:15			X	X	X	X	X	X	X		
03	SS-BCP-23-07182023	12:00			X	X	X	X	X	X	X		
04	SS-BCP-24-07182023	11:35			X	X	X	X	X	X	X		
05	SS-BCP-25-07182023	14:00			X	X	X	X	X	X	X		
06	SS-BCP-21-02-07182023	14:45								X	X		
07	SS-BCP-21-04-07182023	14:50								X	X		
08	SS-BCP-21-06-07182023	14:55								X	X		
09	SS-BCP-22-02-07182023	15:00								X	X		
10	SS-BCP-22-04-07182023	15:02								X	X		
Preservative Code: A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> K/E = Zn Ac/NaOH O = Other	Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle	Westboro: Certification No: MA935 Mansfield: Certification No: MA015	Container Type  Preservative									Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
		Relinquished By:	Date/Time	Received By:		Date/Time							
		Corey Preston	4:32/07/18/2023	MCH/L RMC		7/18/23 1632							
		MCH/L RMC	7/18/23 1132	[Signature]		7/19/23 0030							



	<b>NEW YORK CHAIN OF CUSTODY</b>	<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page <b>2</b>	Date Rec'd in Lab <span style="font-size: 2em;">7/19/23</span>	ALPHA Job # <span style="font-size: 2em;">L2341132</span>			
			of <b>2</b>					
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	<b>Project Information</b> Project Name: <b>PRIC</b> Project Location: <b>3875 RIVER ROAD, TONAWANDA</b> Project # <b>PDWNP BENCH SCALES</b> (Use Project name as Project #) <input type="checkbox"/>		<b>Deliverables</b> <input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input checked="" type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other	<b>Billing Information</b> <input checked="" type="checkbox"/> Same as Client Info PO #			
<b>Client Information</b> Client: <b>INVENTUM ENG</b> Address: <b>441 CARLISLE DR HERNDON, VA 20170</b> Phone: <b>585-734-5255</b> Fax: <b>john.black@inventumeng.com</b> Email: <b>roxanne.bix@u4</b>		Project Manager: <b>JOHN BLACK</b> ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		<b>Regulatory Requirement</b> <input type="checkbox"/> NY TOGS <input checked="" type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge	<b>Disposal Site Information</b> Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input checked="" type="checkbox"/> NY <input type="checkbox"/> Other:			
These samples have been previously analyzed by Alpha <input type="checkbox"/>			<b>ANALYSIS</b>		<b>Sample Filtration</b> <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <b>Preservation</b> <input type="checkbox"/> Lab to do (Please Specify below) <b>Sample Specific Comments</b>			
Other project specific requirements/comments:			HAZ CAT    FULL TEMP		T o t a l  B o t t l e			
Please specify Metals or TAL.								
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix		Sampler's Initials		
41132-11	SS-BCP-22-06-07182023	7/18/23	15:06	SD		RB		
12	SS-BCP-23-02-07182023	7/18/23	15:39	↓		↓		
13	SS-BCP-23-04-07182023	7/18/23	15:41	↓		↓		
14	SS-BCP-23-06-07182023	7/18/23	15:44	↓		↓		
15	SS-BCP-24-02-07182023	7/18/23	15:35	↓		↓		
16	SS-BCP-24-04-07182023	7/18/23	15:38	↓		↓		
17	SS-BCP-24-06-07182023	7/18/23	15:40	↓		↓		
Preservative Code: A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative	Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
Relinquished By:		Date/Time		Received By:		Date/Time		
Corey Bryerton		4:32 07/18/23		[Signature]		7/19/23 1632		
[Signature]		7/19/23 1632		[Signature]		7/19/23 0030		



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

*Analytical Report For*  
**Inventum Engineering, P.C.**

*For Lab Project ID*

**233456**

*Referencing*

**PDI WP Bench Scales**

*Prepared*

**Friday, August 11, 2023**

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

*Emily Farmer*

---

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

*Report Prepared Friday, August 11, 2023*

Page 1 of 10



Lab Project ID: 233456

Client: Inventum Engineering, P.C.

Project Reference: PDI WP Bench Scales

Sample Identifier: SS-BCP-25-07182023

Lab Sample ID: 233456-01

Date Sampled: 7/18/2023 14:00

Matrix: TCLP Extract

Date Received 8/4/2023

**TCLP Volatile Organics**

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,1-Dichloroethene	< 20.0	ug/L	700		8/7/2023 20:49
1,2-Dichloroethane	< 20.0	ug/L	500		8/7/2023 20:49
2-Butanone	< 100	ug/L	200000		8/7/2023 20:49
Benzene	<b>985</b>	ug/L	500		8/7/2023 20:49
Carbon Tetrachloride	< 20.0	ug/L	500		8/7/2023 20:49
Chlorobenzene	< 20.0	ug/L	100000		8/7/2023 20:49
Chloroform	< 20.0	ug/L	6000		8/7/2023 20:49
Tetrachloroethene	< 20.0	ug/L	700		8/7/2023 20:49
Trichloroethene	< 20.0	ug/L	500		8/7/2023 20:49
Vinyl chloride	< 20.0	ug/L	200		8/7/2023 20:49

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	<b>97.9</b>	79.7 - 118		8/7/2023 20:49
4-Bromofluorobenzene	<b>101</b>	80.1 - 112		8/7/2023 20:49
Pentafluorobenzene	<b>98.3</b>	88 - 115		8/7/2023 20:49
Toluene-D8	<b>96.6</b>	88.2 - 113		8/7/2023 20:49

Method Reference(s): EPA 8260C  
EPA 1311 / 5030C  
Data File: z18623.D

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Lab Project ID: 233456

Client: Inventum Engineering, P.C.

Project Reference: PDI WP Bench Scales

Sample Identifier: SS-BCP-22-04-07182023

Lab Sample ID: 233456-02

Date Sampled: 7/18/2023 15:02

Matrix: TCLP Extract

Date Received 8/4/2023

***TCLP Volatile Organics***

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,1-Dichloroethene	< 20.0	ug/L	700		8/7/2023 21:08
1,2-Dichloroethane	< 20.0	ug/L	500		8/7/2023 21:08
2-Butanone	< 100	ug/L	200000		8/7/2023 21:08
Benzene	<b>138</b>	ug/L	500		8/7/2023 21:08
Carbon Tetrachloride	< 20.0	ug/L	500		8/7/2023 21:08
Chlorobenzene	< 20.0	ug/L	100000		8/7/2023 21:08
Chloroform	< 20.0	ug/L	6000		8/7/2023 21:08
Tetrachloroethene	< 20.0	ug/L	700		8/7/2023 21:08
Trichloroethene	< 20.0	ug/L	500		8/7/2023 21:08
Vinyl chloride	< 20.0	ug/L	200		8/7/2023 21:08

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	<b>101</b>	79.7 - 118		8/7/2023 21:08
4-Bromofluorobenzene	<b>97.3</b>	80.1 - 112		8/7/2023 21:08
Pentafluorobenzene	<b>98.5</b>	88 - 115		8/7/2023 21:08
Toluene-D8	<b>99.3</b>	88.2 - 113		8/7/2023 21:08

Method Reference(s): EPA 8260C  
 EPA 1311 / 5030C  
 Data File: z18624.D

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**Client:** Inventum Engineering, P.C.
**Project Reference:** PDI WP Bench Scales

**Sample Identifier:** SS-BCP-22-06-07182023

**Lab Sample ID:** 233456-03

**Date Sampled:** 7/18/2023 15:06

**Matrix:** TCLP Extract

**Date Received** 8/4/2023

**TCLP Volatile Organics**

<b>Analyte</b>	<b>Result</b>	<b>Units</b>	<b>Regulatory Limit</b>	<b>Qualifier</b>	<b>Date Analyzed</b>
1,1-Dichloroethene	< 20.0	ug/L	700		8/10/2023 14:13
1,2-Dichloroethane	< 20.0	ug/L	500		8/10/2023 14:13
2-Butanone	< 100	ug/L	200000		8/10/2023 14:13
Benzene	<b>75.7</b>	ug/L	500		8/10/2023 14:13
Carbon Tetrachloride	< 20.0	ug/L	500		8/10/2023 14:13
Chlorobenzene	< 20.0	ug/L	100000		8/10/2023 14:13
Chloroform	< 20.0	ug/L	6000		8/10/2023 14:13
Tetrachloroethene	< 20.0	ug/L	700		8/10/2023 14:13
Trichloroethene	< 20.0	ug/L	500		8/10/2023 14:13
Vinyl chloride	< 20.0	ug/L	200		8/10/2023 14:13

<b>Surrogate</b>	<b>Percent Recovery</b>	<b>Limits</b>	<b>Outliers</b>	<b>Date Analyzed</b>
1,2-Dichloroethane-d4	<b>104</b>	79.7 - 118		8/10/2023 14:13
4-Bromofluorobenzene	<b>91.1</b>	80.1 - 112		8/10/2023 14:13
Pentafluorobenzene	<b>98.1</b>	88 - 115		8/10/2023 14:13
Toluene-D8	<b>98.3</b>	88.2 - 113		8/10/2023 14:13

**Method Reference(s):** EPA 8260C  
 EPA 1311 / 5030C  
**Data File:** z18713.D

**Client:** Inventum Engineering, P.C.
**Project Reference:** PDI WP Bench Scales

**Sample Identifier:** SS-BCP-24-04-07182023

**Lab Sample ID:** 233456-04

**Date Sampled:** 7/18/2023 15:38

**Matrix:** TCLP Extract

**Date Received** 8/4/2023

**TCLP Volatile Organics**

<b>Analyte</b>	<b>Result</b>	<b>Units</b>	<b>Regulatory Limit</b>	<b>Qualifier</b>	<b>Date Analyzed</b>
1,1-Dichloroethene	< 20.0	ug/L	700		8/10/2023 14:33
1,2-Dichloroethane	< 20.0	ug/L	500		8/10/2023 14:33
2-Butanone	< 100	ug/L	200000		8/10/2023 14:33
Benzene	<b>1070</b>	ug/L	500		8/10/2023 14:33
Carbon Tetrachloride	< 20.0	ug/L	500		8/10/2023 14:33
Chlorobenzene	< 20.0	ug/L	100000		8/10/2023 14:33
Chloroform	< 20.0	ug/L	6000		8/10/2023 14:33
Tetrachloroethene	< 20.0	ug/L	700		8/10/2023 14:33
Trichloroethene	< 20.0	ug/L	500		8/10/2023 14:33
Vinyl chloride	< 20.0	ug/L	200		8/10/2023 14:33

<b>Surrogate</b>	<b>Percent Recovery</b>	<b>Limits</b>	<b>Outliers</b>	<b>Date Analyzed</b>
1,2-Dichloroethane-d4	<b>106</b>	79.7 - 118		8/10/2023 14:33
4-Bromofluorobenzene	<b>99.1</b>	80.1 - 112		8/10/2023 14:33
Pentafluorobenzene	<b>97.6</b>	88 - 115		8/10/2023 14:33
Toluene-D8	<b>96.3</b>	88.2 - 113		8/10/2023 14:33

**Method Reference(s):** EPA 8260C  
 EPA 1311 / 5030C  
**Data File:** z18714.D



## Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

*"<" = Analyzed for but not detected at or above the quantitation limit.*

*"E" = Result has been estimated, calibration limit exceeded.*

*"H" = Denotes a parameter analyzed outside of holding time.*

*"Z" = See case narrative.*

*"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.*

*"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.*

*"B" = Method blank contained trace levels of analyte. Refer to included method blank report.*

*"J" = Result estimated between the quantitation limit and half the quantitation limit.*

*"L" = Laboratory Control Sample recovery outside accepted QC limits.*

*"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.*

*"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.*

*"\*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

*"(1)" = Indicates data from primary column used for QC calculation.*

*"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.*

*"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.*

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# GENERAL TERMS AND CONDITIONS

## LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

### **Warranty.**

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

### **Scope and Compensation.**

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

### **Prices.**

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

### **Limitations of Liability.**

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

### **Hazard Disclosure.**

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

### **Sample Handling.**

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.

Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

### **Legal Responsibility.**

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

### **Assignment.**

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

### **Force Majeure.**

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

### **Law.**

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.





Westborough, MA 01581  
 8 Walkup Dr.  
 TEL: 508-898-9220  
 FAX: 508-998-9193

NEW YORK  
**CHAIN OF CUSTODY**

Service Centers  
 Marlton, NJ 07330: 25 Whitney Rd, Suite 5  
 Albany, NY 12205: 14 Walker Way  
 Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 3  
 Date Rec'd In Lab: 7/19/23  
 Deliverables:  
 ASP-A  
 EQUIS (1 File)  
 Other  
 ASP-B  
 EQUIS (4 File)

ALPHA Job # L2341132  
 Billing Information  
 Same as Client Info  
 no #

**Client Information**

Client: **INVENTUM ENVY**

Project Name: **KITE**  
 Project Location: **3875 RIVER ROAD TONAWANDA**  
 Project # **PDWIP BENCH SCALES**

Project Information  
 Project Name: **KITE**  
 Project Location: **3875 RIVER ROAD TONAWANDA**  
 Project Manager: **JOHN BLACK**

Regulatory Requirement  
 NY TOGS  
 AWO Standards  
 NY Restricted Use  
 NY Unrestricted Use  
 NYC Sewer Discharge  
 NY Part 375  
 NY CP-51  
 Other

Disposal Site Information  
 Please identify below location of applicable disposal facilities.  
 Disposal Facility:  
 NJ  
 NY  
 Other:

Address: **441 CARLISLE DR  
 HERNDON VA, 20170**

Phone: **585-734-5255**  
 Fax: **John.black@inventumenvy.com**  
 Email: **John.black@inventumenvy.com**

Turn-Around Time  
 Rush (only if pre approved)   
 Due Date: **8/1/23**  
 # of Days:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:  
**HAZCAT - REACTIVITY, REDOXIVITY, IGM/TEABILITY**

ANALYSIS  
 Done  
 Lab to do  
 Preservation  
 Lab to do  
 (Please Specify below)  
 Sample Specific Comments

Sample Filtration  
 Done  
 Lab to do  
 Preservation  
 Lab to do  
 (Please Specify below)  
 Sample Specific Comments

Sample Filtration  
 Done  
 Lab to do  
 Preservation  
 Lab to do  
 (Please Specify below)  
 Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS							
		Date	Time			TCL VOCs 8260	TCL SVOCs 8270	TOTAL CYANIDE	TAL METALS, Hg	AMMONIA	FULL TCLP	HAZ CAT	
01	SS-BoP-21-07182023	7/18/23	11:55	SS	RB	X	X	X	X	X	X	X	TCLP 8260
02	SS-BoP-22-07182023		11:15			X	X	X	X	X	X	X	perennial 25
03	SS-BoP-23-07182023		12:00			X	X	X	X	X	X	X	8/4/23
04	SS-BoP-24-07182023		11:35			X	X	X	X	X	X	X	
05	SS-BoP-25-07182023		14:00			X	X	X	X	X	X	X	01
06	SS-BoP-21-07182023		14:45			X	X	X	X	X	X	X	
07	SS-BoP-21-07182023		14:50			X	X	X	X	X	X	X	Okay post H7 per 8/1/23
08	SS-BoP-21-07182023		14:55			X	X	X	X	X	X	X	perennial 25 8/1/23
09	SS-BoP-22-07182023		15:00			X	X	X	X	X	X	X	
10	SS-BoP-22-07182023		15:00			X	X	X	X	X	X	X	02

Preservative Code:  
 A = None  
 B = HCl  
 C = HNO3  
 D = H2SO4  
 E = NaOH  
 F = MeOH  
 G = NaHSO4  
 H = Na2S2O5  
 KE = Zn AcNBCH  
 O = Other

Container Code:  
 P = Plastic  
 A = Amber Glass  
 V = Vial  
 B = Bacteria Cup  
 C = Cube  
 O = Other  
 E = Encore  
 D = BOD Bottle

Westboro: Certification No: MA935  
 Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
<i>Cory Boyton</i>	7/18/23 11:52	<i>MARC RMC</i>	7/18/23 16:32
<i>MARC RMC</i>	8/13/23	<i>AP2</i>	8/14/23 10:17

Form No: 01-25 HC (rev. 30-Sep-2013)

233456  
 1.83



Westborough, MA 01581  
 8 Walkup Dr.  
 TEL: 508-898-9220  
 FAX: 508-898-9193

Mansfield, MA 02048  
 320 Forbes Blvd  
 TEL: 508-822-8300  
 FAX: 508-822-3288

**NEW YORK**  
**CHAIN OF**  
**CUSTODY**

Service Centers  
 Manwah, NJ 07730: 35 Whitney Rd, Suite 5  
 Albany, NY 12205: 14 Walker Way  
 Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Date Rec'd  
 in Lab

7/19/23

ALPHA Job #  
 19341132

233456

2PF3

Project Information

Project Name: RITE

Project Location: 8875 RIVER ROAD, TONAWANDA

Project # PDIVP BENCH SCALES

(Use Project name as Project #)

Project Manager: JOHN BLAKE

ALPHAQuote #:

Turnaround Time

Standard

Rush (only if pre approved)

Due Date:

# of Days:

Deliverables

ASP-A

EQUIS (1 File)

Other

ASP-B

EQUIS (4 File)

Regulatory Requirement

NY TOGS

AWO Standards

NY Restricted Use

NY Unrestricted Use

NYC Sewer Discharge

NY Part 375

NY CP-51

Other

Billing Information

Same as Client Info

PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:

NJ

NY

Other:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS	Disposal Site Information	Sample Specific Comments
		Date	Time					
41132-11	SS-BCE-22-06-07182023	7/18/23	15:40	SD	RS	HAZ CAT FULL TOLP		03
12	SS-BCE-23-02-07182023	7/18/23	15:39			X		TCLP 8260 preserved
13	SS-BCE-23-04-07182023	7/18/23	15:41			X		per client 2F 8/1/23
14	SS-BCE-23-06-07182023	7/18/23	15:44			X		04
15	SS-BCE-24-07-07182023	7/18/23	15:35			X		Okay past HT
16	SS-BCE-24-04-07182023	7/18/23	15:08			X		per client 2F 8/1/23
17	SS-BCE-24-06-07182023	7/18/23	15:40			X		

Preservative Code:

- A = None
- B = HCl
- C = HNO<sub>3</sub>
- D = H<sub>2</sub>SO<sub>4</sub>
- E = NaOH
- F = MeOH
- G = NaHSO<sub>4</sub>
- H = Na<sub>2</sub>S<sub>2</sub>O<sub>8</sub>
- KE = Zn Ac/NaOH
- O = Other

Container Code

- P = Plastic
- A = Amber Glass
- V = Vial
- G = Glass
- B = Bacteria Cup
- C = Cube
- O = Other
- E = Encore
- D = BOD Bottle

Westboro: Certification No: MA935

Mansfield: Certification No: MA015

Relinquished By:

Date/Time

Received By:

Date/Time

Corey Buckton

4:34 07/19/23

JANET AME

7/19/23 00:30

MAA

7/19/23 15:32

PA

8/14/23 16:17



Chain of Custody Supplement

ZF  
8/4 2012  
3 of 3

Client: Inventum  
Lab Project ID: 233456

Completed by: ZF  
Date: 8/4/23

**Sample Condition Requirements**

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	TCLP VOA		
Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Holding Time	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comments	okay past hold time per client email		
Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	1°C iced		
Compliant Sample Quantity/Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			



## ANALYTICAL REPORT

Lab Number:	L2359212
Client:	Inventum Engineering 441 Carlisle Drive Suite C Herndon, NY 20170
ATTN:	John Black
Phone:	(571) 752-6562
Project Name:	RITC
Project Number:	RITC-BENCH SCALE
Report Date:	10/17/23

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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



**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2359212-01	TM-SUMPS-01-10042023	SOLID	3875 RIVER ROAD	10/06/23 11:01	10/06/23
L2359212-02	TM-SUMPS-02-10042023	SOLID	3875 RIVER ROAD	10/06/23 11:05	10/06/23
L2359212-03	TM-SUMPS-03-10042023	SOLID	3875 RIVER ROAD	10/06/23 11:10	10/06/23
L2359212-04	TM-SUMPS-04-10042023	SOLID	3875 RIVER ROAD	10/06/23 11:15	10/06/23
L2359212-05	SS-BCP-24-11-10042023	SOLID	3875 RIVER ROAD	10/06/23 11:00	10/06/23
L2359212-06	SS-BCP-24-10-10042023	SOLID	3875 RIVER ROAD	10/06/23 11:20	10/06/23
L2359212-07	SS-BCP-24-09-10042023	SOLID	3875 RIVER ROAD	10/06/23 11:25	10/06/23
L2359212-08	SS-BCP-24-08-10042023	SOLID	3875 RIVER ROAD	10/06/23 11:30	10/06/23
L2359212-09	SS-BCP-24-07-10042023	SOLID	3875 RIVER ROAD	10/06/23 11:35	10/06/23

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

### Case Narrative

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

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

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

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

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

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

---

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

### Case Narrative (continued)

#### Report Submission

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

#### Sample Receipt

L2359212-01 through -05 and -08: The analysis of TCLP Volatiles could not be performed due to the sample matrix.

L2359212-01 through -09: The analysis of Ignitability was not performed due to the sample matrix. The analysis of Flashpoint was performed instead.

L2359212-05: The sample identified as "SS-BCP-24-11-10042023" on the chain of custody was identified as "SS-BCP-11-10042023" on the container label. At the client's request, the sample is reported as "SS-BCP-24-11-10042023".

#### Cyanide, Total

The WG1838378-2/-3 LCS/LCSD recoveries for cyanide, total (132%/137%), associated with L2359212-01 through -06, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1839698-2/-3 LCS/LCSD recoveries for cyanide, total (37%/45%), associated with L2359212-07 through -09, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1838378-5 MSD recovery, performed on L2359212-01, is outside the acceptance criteria for cyanide, total (260%). The MS/MSD RPD for cyanide, total (37%), is above the acceptance criteria.

The WG1839698-4/-5 MS/MSD recoveries, performed on L2359212-09, are outside the acceptance criteria for cyanide, total (0%/0%).

#### Nitrogen, Ammonia

The WG1840304-3 Laboratory Duplicate RPD for nitrogen, ammonia (22%), performed on L2359212-01, is

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

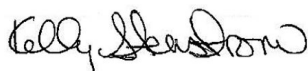
**Lab Number:** L2359212  
**Report Date:** 10/17/23

**Case Narrative (continued)**

outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

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

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 10/17/23



# ORGANICS

# VOLATILES

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-06  
 Client ID: SS-BCP-24-10-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:20  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8260D  
 Analytical Date: 10/12/23 12:40  
 Analyst: MKS  
 Percent Solids: 92%  
 TCLP/SPLP Ext. Date: 10/11/23 09:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Volatiles by EPA 1311 - Westborough Lab</b>						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	61		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	119		70-130
dibromofluoromethane	111		70-130

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-07  
 Client ID: SS-BCP-24-09-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:25  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8260D  
 Analytical Date: 10/12/23 10:33  
 Analyst: MKS  
 Percent Solids: 95%  
 TCLP/SPLP Ext. Date: 10/11/23 09:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Volatiles by EPA 1311 - Westborough Lab</b>						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	49		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	119		70-130
dibromofluoromethane	108		70-130

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-09  
 Client ID: SS-BCP-24-07-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:35  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8260D  
 Analytical Date: 10/12/23 13:01  
 Analyst: MKS  
 Percent Solids: 93%  
 TCLP/SPLP Ext. Date: 10/11/23 09:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Volatiles by EPA 1311 - Westborough Lab</b>						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	42		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	120		70-130
dibromofluoromethane	105		70-130

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 10/12/23 08:06  
Analyst: MCM  
TCLP/SPLP Extraction Date: 10/11/23 09:31

Extraction Date: 10/11/23 09:31

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 09 Batch: WG1839775-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	122		70-130
dibromofluoromethane	103		70-130

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 10/12/23 08:27  
Analyst: MCM  
TCLP/SPLP Extraction Date: 10/11/23 09:31

Extraction Date: 10/11/23 09:31

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 06-07 Batch: WG1839784-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	119		70-130
dibromofluoromethane	101		70-130

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 09 Batch: WG1839775-3 WG1839775-4								
Chloroform	94		91		70-130	3		20
Carbon tetrachloride	80		79		63-132	1		20
Tetrachloroethene	87		80		70-130	8		20
Chlorobenzene	87		82		75-130	6		25
1,2-Dichloroethane	100		100		70-130	0		20
Benzene	89		84		70-130	6		25
Vinyl chloride	91		91		55-140	0		20
1,1-Dichloroethene	93		93		61-145	0		25
Trichloroethene	81		76		70-130	6		25
1,4-Dichlorobenzene	84		80		70-130	5		20
2-Butanone	92		87		63-138	6		20

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		114		70-130
Toluene-d8	106		105		70-130
4-Bromofluorobenzene	121		124		70-130
dibromofluoromethane	96		100		70-130



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 06-07 Batch: WG1839784-3 WG1839784-4								
Chloroform	91		96		70-130	5		20
Carbon tetrachloride	83		88		63-132	6		20
Tetrachloroethene	84		86		70-130	2		20
Chlorobenzene	85		88		75-130	3		25
1,2-Dichloroethane	99		100		70-130	1		20
Benzene	86		90		70-130	5		25
Vinyl chloride	92		96		55-140	4		20
1,1-Dichloroethene	92		98		61-145	6		25
Trichloroethene	78		80		70-130	3		25
1,4-Dichlorobenzene	80		82		70-130	2		20
2-Butanone	86		93		63-138	8		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	112		115		70-130
Toluene-d8	108		107		70-130
4-Bromofluorobenzene	122		121		70-130
dibromofluoromethane	97		101		70-130

# SEMIVOLATILES

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-01  
 Client ID: TM-SUMPS-01-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:01  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8270E  
 Analytical Date: 10/11/23 12:19  
 Analyst: CMM  
 Percent Solids: 77%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30

Extraction Method: EPA 3510C  
 Extraction Date: 10/09/23 14:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	5400	E	ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	12000	E	ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	100		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	57		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	56		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	61		33-120

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-01 D  
 Client ID: TM-SUMPS-01-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:01  
 Date Received: 10/06/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8270E  
 Analytical Date: 10/14/23 18:01  
 Analyst: CMM  
 Percent Solids: 77%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30

Extraction Method: EPA 3510C  
 Extraction Date: 10/09/23 14:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
2-Methylphenol	7900		ug/l	1200	280	50
3-Methylphenol/4-Methylphenol	19000		ug/l	1200	140	50

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-02  
 Client ID: TM-SUMPS-02-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:05  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8270E  
 Analytical Date: 10/11/23 05:11  
 Analyst: CMM  
 Percent Solids: 85%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30

Extraction Method: EPA 3510C  
 Extraction Date: 10/09/23 14:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	6600	E	ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	15000	E	ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	65		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	68		33-120

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-02 D  
 Client ID: TM-SUMPS-02-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:05  
 Date Received: 10/06/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8270E  
 Analytical Date: 10/14/23 19:38  
 Analyst: CMM  
 Percent Solids: 85%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30

Extraction Method: EPA 3510C  
 Extraction Date: 10/09/23 14:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
2-Methylphenol	10000		ug/l	2500	550	100
3-Methylphenol/4-Methylphenol	25000		ug/l	2500	280	100

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-03  
 Client ID: TM-SUMPS-03-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:10  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8270E  
 Analytical Date: 10/11/23 11:31  
 Analyst: CMM  
 Percent Solids: 85%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30

Extraction Method: EPA 3510C  
 Extraction Date: 10/09/23 14:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	3900	E	ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	8600	E	ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	61		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	47		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	51		33-120

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-03 D  
 Client ID: TM-SUMPS-03-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:10  
 Date Received: 10/06/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8270E  
 Analytical Date: 10/14/23 17:37  
 Analyst: CMM  
 Percent Solids: 85%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30

Extraction Method: EPA 3510C  
 Extraction Date: 10/09/23 14:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
2-Methylphenol	5900		ug/l	1200	280	50
3-Methylphenol/4-Methylphenol	14000		ug/l	1200	140	50



**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-04  
 Client ID: TM-SUMPS-04-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:15  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8270E  
 Analytical Date: 10/11/23 05:35  
 Analyst: CMM  
 Percent Solids: 81%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30

Extraction Method: EPA 3510C  
 Extraction Date: 10/09/23 14:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	8700	E	ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	19000	E	ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	22		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	71		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	75		33-120

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-04 D  
 Client ID: TM-SUMPS-04-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:15  
 Date Received: 10/06/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8270E  
 Analytical Date: 10/14/23 18:49  
 Analyst: CMM  
 Percent Solids: 81%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30

Extraction Method: EPA 3510C  
 Extraction Date: 10/09/23 14:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
2-Methylphenol	13000		ug/l	2500	550	100
3-Methylphenol/4-Methylphenol	29000		ug/l	2500	280	100

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-05  
 Client ID: SS-BCP-24-11-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:00  
 Date Received: 10/06/23  
 Field Prep: Not Specified

**Sample Depth:**

Matrix: Solid  
 Analytical Method: 1,8270E  
 Analytical Date: 10/11/23 04:24  
 Analyst: CMM  
 Percent Solids: 89%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30

Extraction Method: EPA 3510C  
 Extraction Date: 10/09/23 14:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	450		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	790		ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	5.0	J	ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	65		33-120

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-06  
 Client ID: SS-BCP-24-10-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:20  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8270E  
 Analytical Date: 10/11/23 13:07  
 Analyst: CMM  
 Percent Solids: 92%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30

Extraction Method: EPA 3510C  
 Extraction Date: 10/09/23 14:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	680		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	1400	E	ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	45		23-120
2-Fluorobiphenyl	45		15-120
2,4,6-Tribromophenol	50		10-120
4-Terphenyl-d14	47		33-120

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-06 D  
 Client ID: SS-BCP-24-10-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:20  
 Date Received: 10/06/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8270E  
 Analytical Date: 10/14/23 16:47  
 Analyst: CMM  
 Percent Solids: 92%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30

Extraction Method: EPA 3510C  
 Extraction Date: 10/09/23 14:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
3-Methylphenol/4-Methylphenol	2300		ug/l	120	14.	5

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-07  
 Client ID: SS-BCP-24-09-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:25  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8270E  
 Analytical Date: 10/12/23 18:19  
 Analyst: CMM  
 Percent Solids: 95%

Extraction Method: EPA 3510C  
 Extraction Date: 10/10/23 18:19

TCLP/SPLP Ext. Date: 10/09/23 05:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	920		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	2100	E	ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	57		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	51		10-120
4-Terphenyl-d14	68		33-120

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-07 D  
 Client ID: SS-BCP-24-09-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:25  
 Date Received: 10/06/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8270E  
 Analytical Date: 10/14/23 16:43  
 Analyst: CMM  
 Percent Solids: 95%  
 TCLP/SPLP Ext. Date: 10/09/23 05:10

Extraction Method: EPA 3510C  
 Extraction Date: 10/10/23 18:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
3-Methylphenol/4-Methylphenol	3400		ug/l	250	28.	10

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-08  
 Client ID: SS-BCP-24-08-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:30  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8270E  
 Analytical Date: 10/11/23 12:43  
 Analyst: CMM  
 Percent Solids: 93%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30

Extraction Method: EPA 3510C  
 Extraction Date: 10/09/23 14:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	240		ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	520		ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	43		23-120
2-Fluorobiphenyl	41		15-120
2,4,6-Tribromophenol	44		10-120
4-Terphenyl-d14	44		33-120



**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-09  
 Client ID: SS-BCP-24-07-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:35  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8270E  
 Analytical Date: 10/11/23 04:48  
 Analyst: CMM  
 Percent Solids: 93%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30

Extraction Method: EPA 3510C  
 Extraction Date: 10/09/23 14:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>TCLP Semivolatiles by EPA 1311 - Westborough Lab</b>						
Hexachlorobenzene	ND		ug/l	10	3.4	1
2,4-Dinitrotoluene	ND		ug/l	25	1.9	1
Hexachlorobutadiene	ND		ug/l	10	3.0	1
Hexachloroethane	ND		ug/l	10	2.2	1
Nitrobenzene	ND		ug/l	10	3.3	1
2,4,6-Trichlorophenol	ND		ug/l	25	2.5	1
Pentachlorophenol	ND		ug/l	50	9.8	1
2-Methylphenol	1100	E	ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	2500	E	ug/l	25	2.8	1
2,4,5-Trichlorophenol	ND		ug/l	25	1.9	1
Pyridine	ND		ug/l	18	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	58		15-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	59		33-120

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-09 D  
 Client ID: SS-BCP-24-07-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:35  
 Date Received: 10/06/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8270E  
 Analytical Date: 10/14/23 20:02  
 Analyst: CMM  
 Percent Solids: 93%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30

Extraction Method: EPA 3510C  
 Extraction Date: 10/09/23 14:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
2-Methylphenol	1800		ug/l	250	55.	10
3-Methylphenol/4-Methylphenol	4200		ug/l	250	28.	10

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270E  
Analytical Date: 10/10/23 08:11  
Analyst: HNY  
TCLP/SPLP Extraction Date: 10/08/23 02:30

Extraction Method: EPA 3510C  
Extraction Date: 10/09/23 14:04

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 01-06,08-09 Batch: WG1837415-1					
Hexachlorobenzene	ND		ug/l	10	3.4
2,4-Dinitrotoluene	ND		ug/l	25	1.9
Hexachlorobutadiene	ND		ug/l	10	3.0
Hexachloroethane	ND		ug/l	10	2.2
Nitrobenzene	ND		ug/l	10	3.3
2,4,6-Trichlorophenol	ND		ug/l	25	2.5
Pentachlorophenol	ND		ug/l	50	9.8
2-Methylphenol	ND		ug/l	25	5.5
3-Methylphenol/4-Methylphenol	ND		ug/l	25	2.8
2,4,5-Trichlorophenol	ND		ug/l	25	1.9
Pyridine	ND		ug/l	18	4.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	50		15-120
2,4,6-Tribromophenol	60		10-120
4-Terphenyl-d14	61		33-120

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270E  
Analytical Date: 10/12/23 09:53  
Analyst: MG  
TCLP/SPLP Extraction Date: 10/09/23 05:10

Extraction Method: EPA 3510C  
Extraction Date: 10/10/23 18:19

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 07 Batch: WG1838053-1					
Hexachlorobenzene	ND		ug/l	10	3.4
2,4-Dinitrotoluene	ND		ug/l	25	1.9
Hexachlorobutadiene	ND		ug/l	10	3.0
Hexachloroethane	ND		ug/l	10	2.2
Nitrobenzene	ND		ug/l	10	3.3
2,4,6-Trichlorophenol	ND		ug/l	25	2.5
Pentachlorophenol	ND		ug/l	50	9.8
2-Methylphenol	ND		ug/l	25	5.5
3-Methylphenol/4-Methylphenol	ND		ug/l	25	2.8
2,4,5-Trichlorophenol	ND		ug/l	25	1.9
Pyridine	ND		ug/l	18	4.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		21-120
Phenol-d6	77		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	90		33-120

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-06,08-09 Batch: WG1837415-2 WG1837415-3								
Hexachlorobenzene	66		70		40-140	6		30
2,4-Dinitrotoluene	78		84		40-132	7		30
Hexachlorobutadiene	59		67		28-111	13		30
Hexachloroethane	58		66		21-105	13		30
Nitrobenzene	67		73		40-140	9		30
2,4,6-Trichlorophenol	77		85		30-130	10		30
Pentachlorophenol	72		78		9-103	8		30
2-Methylphenol	67		73		30-130	9		30
3-Methylphenol/4-Methylphenol	70		77		30-130	10		30
2,4,5-Trichlorophenol	75		82		30-130	9		30
Pyridine	25		49		10-66	65	Q	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		69		21-120
Phenol-d6	61		65		10-120
Nitrobenzene-d5	68		75		23-120
2-Fluorobiphenyl	66		71		15-120
2,4,6-Tribromophenol	73		81		10-120
4-Terphenyl-d14	65		72		33-120



### Lab Control Sample Analysis Batch Quality Control

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 07 Batch: WG1838053-2 WG1838053-3								
Hexachlorobenzene	64		70		40-140	9		30
2,4-Dinitrotoluene	92		97		40-132	5		30
Hexachlorobutadiene	64		70		28-111	9		30
Hexachloroethane	71		76		21-105	7		30
Nitrobenzene	74		81		40-140	9		30
2,4,6-Trichlorophenol	77		83		30-130	8		30
Pentachlorophenol	70		76		9-103	8		30
2-Methylphenol	80		88		30-130	10		30
3-Methylphenol/4-Methylphenol	82		90		30-130	9		30
2,4,5-Trichlorophenol	81		86		30-130	6		30
Pyridine	29		14		10-66	70	Q	30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
2-Fluorophenol	85		85		21-120
Phenol-d6	83		83		10-120
Nitrobenzene-d5	81		83		23-120
2-Fluorobiphenyl	81		81		15-120
2,4,6-Tribromophenol	76		74		10-120
4-Terphenyl-d14	84		82		33-120



# PESTICIDES

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-01  
 Client ID: TM-SUMPS-01-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:01  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8081B  
 Analytical Date: 10/10/23 19:50  
 Analyst: MMG  
 Percent Solids: 77%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30

Extraction Method: EPA 3510C  
 Extraction Date: 10/09/23 14:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	34		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	34		30-150	B



**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-01  
 Client ID: TM-SUMPS-01-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:01  
 Date Received: 10/06/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8151A  
 Analytical Date: 10/10/23 15:45  
 Analyst: MMG  
 Percent Solids: 77%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30  
 Methylation Date: 10/09/23 23:07

Extraction Method: EPA 8151A  
 Extraction Date: 10/08/23 20:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	53		30-150	A
DCAA	55		30-150	B

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-02  
 Client ID: TM-SUMPS-02-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:05  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8081B  
 Analytical Date: 10/10/23 20:01  
 Analyst: MMG  
 Percent Solids: 85%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30

Extraction Method: EPA 3510C  
 Extraction Date: 10/09/23 14:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	70		30-150	B

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-02  
 Client ID: TM-SUMPS-02-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:05  
 Date Received: 10/06/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8151A  
 Analytical Date: 10/10/23 16:03  
 Analyst: MMG  
 Percent Solids: 85%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30  
 Methylation Date: 10/09/23 23:07

Extraction Method: EPA 8151A  
 Extraction Date: 10/08/23 20:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	52		30-150	A
DCAA	46		30-150	B

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-03  
 Client ID: TM-SUMPS-03-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:10  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8081B  
 Analytical Date: 10/11/23 14:32  
 Analyst: MMG  
 Percent Solids: 85%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30

Extraction Method: EPA 3510C  
 Extraction Date: 10/09/23 14:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	32		30-150	A
Decachlorobiphenyl	31		30-150	A
2,4,5,6-Tetrachloro-m-xylene	<b>25</b>	Q	30-150	B
Decachlorobiphenyl	31		30-150	B

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-03  
 Client ID: TM-SUMPS-03-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:10  
 Date Received: 10/06/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8151A  
 Analytical Date: 10/10/23 16:22  
 Analyst: MMG  
 Percent Solids: 85%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30  
 Methylation Date: 10/09/23 23:07

Extraction Method: EPA 8151A  
 Extraction Date: 10/08/23 20:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	55		30-150	A
DCAA	49		30-150	B

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-04  
 Client ID: TM-SUMPS-04-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:15  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8081B  
 Analytical Date: 10/10/23 20:24  
 Analyst: MMG  
 Percent Solids: 81%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30

Extraction Method: EPA 3510C  
 Extraction Date: 10/09/23 14:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	39		30-150	B
Decachlorobiphenyl	48		30-150	B

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-04  
 Client ID: TM-SUMPS-04-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:15  
 Date Received: 10/06/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8151A  
 Analytical Date: 10/10/23 16:40  
 Analyst: MMG  
 Percent Solids: 81%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30  
 Methylation Date: 10/09/23 23:07

Extraction Method: EPA 8151A  
 Extraction Date: 10/08/23 20:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	54		30-150	A
DCAA	62		30-150	B

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-05  
 Client ID: SS-BCP-24-11-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:00  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8081B  
 Analytical Date: 10/10/23 20:36  
 Analyst: MMG  
 Percent Solids: 89%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30

Extraction Method: EPA 3510C  
 Extraction Date: 10/09/23 14:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	40		30-150	B
Decachlorobiphenyl	47		30-150	B



**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-05  
 Client ID: SS-BCP-24-11-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:00  
 Date Received: 10/06/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8151A  
 Analytical Date: 10/10/23 16:58  
 Analyst: MMG  
 Percent Solids: 89%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30  
 Methylation Date: 10/09/23 23:07

Extraction Method: EPA 8151A  
 Extraction Date: 10/08/23 20:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	46		30-150	A
DCAA	41		30-150	B

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-06  
 Client ID: SS-BCP-24-10-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:20  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8081B  
 Analytical Date: 10/10/23 20:47  
 Analyst: MMG  
 Percent Solids: 92%

Extraction Method: EPA 3510C  
 Extraction Date: 10/09/23 14:26

TCLP/SPLP Ext. Date: 10/08/23 02:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	40		30-150	B
Decachlorobiphenyl	50		30-150	B

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-06  
 Client ID: SS-BCP-24-10-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:20  
 Date Received: 10/06/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8151A  
 Analytical Date: 10/10/23 17:17  
 Analyst: MMG  
 Percent Solids: 92%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30  
 Methylation Date: 10/09/23 23:07

Extraction Method: EPA 8151A  
 Extraction Date: 10/08/23 20:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	63		30-150	A
DCAA	57		30-150	B

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-07  
 Client ID: SS-BCP-24-09-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:25  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8081B  
 Analytical Date: 10/11/23 22:45  
 Analyst: MMG  
 Percent Solids: 95%

Extraction Method: EPA 3510C  
 Extraction Date: 10/11/23 00:51

TCLP/SPLP Ext. Date: 10/09/23 05:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	42		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	33		30-150	B
Decachlorobiphenyl	40		30-150	B

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-07  
 Client ID: SS-BCP-24-09-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:25  
 Date Received: 10/06/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8151A  
 Analytical Date: 10/11/23 13:49  
 Analyst: AKM  
 Percent Solids: 95%  
 TCLP/SPLP Ext. Date: 10/09/23 05:10  
 Methylation Date: 10/11/23 03:14

Extraction Method: EPA 8151A  
 Extraction Date: 10/10/23 13:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	75		30-150	A
DCAA	77		30-150	B

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-08  
 Client ID: SS-BCP-24-08-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:30  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8081B  
 Analytical Date: 10/10/23 20:58  
 Analyst: MMG  
 Percent Solids: 93%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30

Extraction Method: EPA 3510C  
 Extraction Date: 10/09/23 14:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	52		30-150	B

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-08  
 Client ID: SS-BCP-24-08-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:30  
 Date Received: 10/06/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8151A  
 Analytical Date: 10/10/23 17:35  
 Analyst: MMG  
 Percent Solids: 93%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30  
 Methylation Date: 10/09/23 23:07

Extraction Method: EPA 8151A  
 Extraction Date: 10/09/23 00:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	54		30-150	A
DCAA	52		30-150	B

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-09  
 Client ID: SS-BCP-24-07-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:35  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8081B  
 Analytical Date: 10/10/23 21:21  
 Analyst: MMG  
 Percent Solids: 93%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30

Extraction Method: EPA 3510C  
 Extraction Date: 10/09/23 14:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>TCLP Pesticides by EPA 1311 - Westborough Lab</b>							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		30-150	B
Decachlorobiphenyl	54		30-150	B



**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-09  
 Client ID: SS-BCP-24-07-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:35  
 Date Received: 10/06/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Solid  
 Analytical Method: 1,8151A  
 Analytical Date: 10/10/23 17:53  
 Analyst: MMG  
 Percent Solids: 93%  
 TCLP/SPLP Ext. Date: 10/08/23 02:30  
 Methylation Date: 10/09/23 23:07

Extraction Method: EPA 8151A  
 Extraction Date: 10/09/23 00:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	64		30-150	A
DCAA	55		30-150	B

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8151A  
Analytical Date: 10/10/23 12:23  
Analyst: MMG  
TCLP/SPLP Extraction Date: 10/08/23 02:30  
Methylation Date: 10/09/23 23:07

Extraction Method: EPA 8151A  
Extraction Date: 10/08/23 20:00

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 01-06,08-09 Batch: WG1837139-1						
2,4-D	ND		mg/l	0.025	0.001	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	68		30-150	A
DCAA	67		30-150	B

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 10/10/23 18:19  
Analyst: MMG  
TCLP/SPLP Extraction Date: 10/08/23 02:30

Extraction Method: EPA 3510C  
Extraction Date: 10/09/23 14:26

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 01-06,08-09 Batch: WG1837426-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	65		30-150	B

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8151A  
Analytical Date: 10/11/23 12:00  
Analyst: AKM  
TCLP/SPLP Extraction Date: 10/09/23 05:10  
Methylation Date: 10/11/23 03:14

Extraction Method: EPA 8151A  
Extraction Date: 10/10/23 13:34

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 07 Batch: WG1837905-1						
2,4-D	ND		mg/l	0.025	0.001	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	86		30-150	A
DCAA	77		30-150	B

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 10/11/23 22:12  
Analyst: MMG  
TCLP/SPLP Extraction Date: 10/09/23 05:10

Extraction Method: EPA 3510C  
Extraction Date: 10/11/23 00:51

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 07 Batch: WG1838134-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	89		30-150	B

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 01-06,08-09 Batch: WG1837139-2 WG1837139-3									
2,4-D	108		107		30-150	1		25	A
2,4,5-TP (Silvex)	61		62		30-150	2		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	63		63		30-150	A
DCAA	95		65		30-150	B

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 01-06,08-09 Batch: WG1837426-2 WG1837426-3									
Lindane	68		62		30-150	9		20	A
Heptachlor	64		59		30-150	7		20	A
Heptachlor epoxide	63		58		30-150	7		20	A
Endrin	64		59		30-150	7		20	A
Methoxychlor	63		59		30-150	7		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		60		30-150	A
Decachlorobiphenyl	70		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		58		30-150	B
Decachlorobiphenyl	73		69		30-150	B

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 07 Batch: WG1837905-2 WG1837905-3									
2,4-D	209	Q	198	Q	30-150	5		25	A
2,4,5-TP (Silvex)	86		81		30-150	6		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	89		84		30-150	A
DCAA	77		72		30-150	B



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 07 Batch: WG1838134-2 WG1838134-3									
Lindane	87		92		30-150	5		20	A
Heptachlor	87		94		30-150	8		20	A
Heptachlor epoxide	86		90		30-150	5		20	A
Endrin	86		90		30-150	5		20	A
Methoxychlor	93		96		30-150	3		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		90		30-150	A
Decachlorobiphenyl	85		94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		97		30-150	B
Decachlorobiphenyl	97		105		30-150	B

## METALS

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-01  
 Client ID: TM-SUMPS-01-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:01  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 10/08/23 02:30

Matrix: Solid

Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	10/09/23 16:18	10/10/23 16:01	EPA 3015	1,6010D	JMF
Barium, TCLP	0.147	J	mg/l	0.500	0.0210	1	10/09/23 16:18	10/10/23 16:01	EPA 3015	1,6010D	JMF
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	10/09/23 16:18	10/10/23 16:01	EPA 3015	1,6010D	JMF
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	10/09/23 16:18	10/10/23 16:01	EPA 3015	1,6010D	JMF
Lead, TCLP	ND		mg/l	0.500	0.0270	1	10/09/23 16:18	10/10/23 16:01	EPA 3015	1,6010D	JMF
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	10/09/23 14:50	10/10/23 10:12	EPA 7470A	1,7470A	GMG
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	10/09/23 16:18	10/10/23 16:01	EPA 3015	1,6010D	JMF
Silver, TCLP	ND		mg/l	0.100	0.0280	1	10/09/23 16:18	10/10/23 16:01	EPA 3015	1,6010D	JMF



**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-02  
 Client ID: TM-SUMPS-02-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:05  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 10/08/23 02:30

Matrix: Solid

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	10/09/23 16:18	10/10/23 16:04	EPA 3015	1,6010D	JMF
Barium, TCLP	0.142	J	mg/l	0.500	0.0210	1	10/09/23 16:18	10/10/23 16:04	EPA 3015	1,6010D	JMF
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	10/09/23 16:18	10/10/23 16:04	EPA 3015	1,6010D	JMF
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	10/09/23 16:18	10/10/23 16:04	EPA 3015	1,6010D	JMF
Lead, TCLP	ND		mg/l	0.500	0.0270	1	10/09/23 16:18	10/10/23 16:04	EPA 3015	1,6010D	JMF
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	10/09/23 14:50	10/10/23 10:16	EPA 7470A	1,7470A	GMG
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	10/09/23 16:18	10/10/23 16:04	EPA 3015	1,6010D	JMF
Silver, TCLP	ND		mg/l	0.100	0.0280	1	10/09/23 16:18	10/10/23 16:04	EPA 3015	1,6010D	JMF



**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-03  
 Client ID: TM-SUMPS-03-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:10  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 10/08/23 02:30

Matrix: Solid

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	10/09/23 16:18	10/10/23 16:07	EPA 3015	1,6010D	JMF
Barium, TCLP	0.103	J	mg/l	0.500	0.0210	1	10/09/23 16:18	10/10/23 16:07	EPA 3015	1,6010D	JMF
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	10/09/23 16:18	10/10/23 16:07	EPA 3015	1,6010D	JMF
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	10/09/23 16:18	10/10/23 16:07	EPA 3015	1,6010D	JMF
Lead, TCLP	ND		mg/l	0.500	0.0270	1	10/09/23 16:18	10/10/23 16:07	EPA 3015	1,6010D	JMF
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	10/09/23 14:50	10/10/23 10:26	EPA 7470A	1,7470A	GMG
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	10/09/23 16:18	10/10/23 16:07	EPA 3015	1,6010D	JMF
Silver, TCLP	ND		mg/l	0.100	0.0280	1	10/09/23 16:18	10/10/23 16:07	EPA 3015	1,6010D	JMF



**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-04  
 Client ID: TM-SUMPS-04-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:15  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 10/08/23 02:30

Matrix: Solid

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	10/09/23 16:18	10/10/23 16:10	EPA 3015	1,6010D	JMF
Barium, TCLP	0.113	J	mg/l	0.500	0.0210	1	10/09/23 16:18	10/10/23 16:10	EPA 3015	1,6010D	JMF
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	10/09/23 16:18	10/10/23 16:10	EPA 3015	1,6010D	JMF
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	10/09/23 16:18	10/10/23 16:10	EPA 3015	1,6010D	JMF
Lead, TCLP	ND		mg/l	0.500	0.0270	1	10/09/23 16:18	10/10/23 16:10	EPA 3015	1,6010D	JMF
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	10/09/23 14:50	10/10/23 10:29	EPA 7470A	1,7470A	GMG
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	10/09/23 16:18	10/10/23 16:10	EPA 3015	1,6010D	JMF
Silver, TCLP	ND		mg/l	0.100	0.0280	1	10/09/23 16:18	10/10/23 16:10	EPA 3015	1,6010D	JMF



**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-05  
 Client ID: SS-BCP-24-11-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:00  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 10/08/23 02:30

Matrix: Solid

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	10/09/23 16:18	10/10/23 16:13	EPA 3015	1,6010D	JMF
Barium, TCLP	0.0699	J	mg/l	0.500	0.0210	1	10/09/23 16:18	10/10/23 16:13	EPA 3015	1,6010D	JMF
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	10/09/23 16:18	10/10/23 16:13	EPA 3015	1,6010D	JMF
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	10/09/23 16:18	10/10/23 16:13	EPA 3015	1,6010D	JMF
Lead, TCLP	0.108	J	mg/l	0.500	0.0270	1	10/09/23 16:18	10/10/23 16:13	EPA 3015	1,6010D	JMF
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	10/09/23 14:50	10/10/23 10:32	EPA 7470A	1,7470A	GMG
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	10/09/23 16:18	10/10/23 16:13	EPA 3015	1,6010D	JMF
Silver, TCLP	ND		mg/l	0.100	0.0280	1	10/09/23 16:18	10/10/23 16:13	EPA 3015	1,6010D	JMF



**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-06  
 Client ID: SS-BCP-24-10-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:20  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 10/08/23 02:30

Matrix: Solid

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	10/09/23 16:18	10/10/23 16:15	EPA 3015	1,6010D	JMF
Barium, TCLP	0.236	J	mg/l	0.500	0.0210	1	10/09/23 16:18	10/10/23 16:15	EPA 3015	1,6010D	JMF
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	10/09/23 16:18	10/10/23 16:15	EPA 3015	1,6010D	JMF
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	10/09/23 16:18	10/10/23 16:15	EPA 3015	1,6010D	JMF
Lead, TCLP	ND		mg/l	0.500	0.0270	1	10/09/23 16:18	10/10/23 16:15	EPA 3015	1,6010D	JMF
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	10/09/23 14:50	10/10/23 10:36	EPA 7470A	1,7470A	GMG
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	10/09/23 16:18	10/10/23 16:15	EPA 3015	1,6010D	JMF
Silver, TCLP	ND		mg/l	0.100	0.0280	1	10/09/23 16:18	10/10/23 16:15	EPA 3015	1,6010D	JMF





**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-07  
 Client ID: SS-BCP-24-09-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:25  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 10/09/23 05:10

Matrix: Solid

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	10/11/23 20:50	10/12/23 08:00	EPA 3015	1,6010D	JMF
Barium, TCLP	0.133	J	mg/l	0.500	0.0210	1	10/11/23 20:50	10/12/23 08:00	EPA 3015	1,6010D	JMF
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	10/11/23 20:50	10/12/23 08:00	EPA 3015	1,6010D	JMF
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	10/11/23 20:50	10/12/23 08:00	EPA 3015	1,6010D	JMF
Lead, TCLP	ND		mg/l	0.500	0.0270	1	10/11/23 20:50	10/12/23 08:00	EPA 3015	1,6010D	JMF
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	10/11/23 20:35	10/12/23 09:22	EPA 7470A	1,7470A	RJP
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	10/11/23 20:50	10/12/23 08:00	EPA 3015	1,6010D	JMF
Silver, TCLP	ND		mg/l	0.100	0.0280	1	10/11/23 20:50	10/12/23 08:00	EPA 3015	1,6010D	JMF



**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-08  
 Client ID: SS-BCP-24-08-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:30  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 10/08/23 02:30

Matrix: Solid

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	10/09/23 16:18	10/10/23 16:18	EPA 3015	1,6010D	JMF
Barium, TCLP	0.0720	J	mg/l	0.500	0.0210	1	10/09/23 16:18	10/10/23 16:18	EPA 3015	1,6010D	JMF
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	10/09/23 16:18	10/10/23 16:18	EPA 3015	1,6010D	JMF
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	10/09/23 16:18	10/10/23 16:18	EPA 3015	1,6010D	JMF
Lead, TCLP	ND		mg/l	0.500	0.0270	1	10/09/23 16:18	10/10/23 16:18	EPA 3015	1,6010D	JMF
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	10/09/23 14:50	10/10/23 10:39	EPA 7470A	1,7470A	GMG
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	10/09/23 16:18	10/10/23 16:18	EPA 3015	1,6010D	JMF
Silver, TCLP	ND		mg/l	0.100	0.0280	1	10/09/23 16:18	10/10/23 16:18	EPA 3015	1,6010D	JMF



**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

Lab ID: L2359212-09  
 Client ID: SS-BCP-24-07-10042023  
 Sample Location: 3875 RIVER ROAD

Date Collected: 10/06/23 11:35  
 Date Received: 10/06/23  
 Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 10/08/23 02:30

Matrix: Solid

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>TCLP Metals by EPA 1311 - Mansfield Lab</b>											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	10/09/23 16:18	10/10/23 16:21	EPA 3015	1,6010D	JMF
Barium, TCLP	0.274	J	mg/l	0.500	0.0210	1	10/09/23 16:18	10/10/23 16:21	EPA 3015	1,6010D	JMF
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	10/09/23 16:18	10/10/23 16:21	EPA 3015	1,6010D	JMF
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	10/09/23 16:18	10/10/23 16:21	EPA 3015	1,6010D	JMF
Lead, TCLP	ND		mg/l	0.500	0.0270	1	10/09/23 16:18	10/10/23 16:21	EPA 3015	1,6010D	JMF
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	10/09/23 14:50	10/10/23 10:42	EPA 7470A	1,7470A	GMG
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	10/09/23 16:18	10/10/23 16:21	EPA 3015	1,6010D	JMF
Silver, TCLP	ND		mg/l	0.100	0.0280	1	10/09/23 16:18	10/10/23 16:21	EPA 3015	1,6010D	JMF



**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

## Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-06,08-09 Batch: WG1837322-1									
Arsenic, TCLP	ND	mg/l	1.00	0.0190	1	10/09/23 16:18	10/10/23 15:13	1,6010D	JMF
Barium, TCLP	ND	mg/l	0.500	0.0210	1	10/09/23 16:18	10/10/23 15:13	1,6010D	JMF
Cadmium, TCLP	ND	mg/l	0.100	0.0100	1	10/09/23 16:18	10/10/23 15:13	1,6010D	JMF
Chromium, TCLP	ND	mg/l	0.200	0.0210	1	10/09/23 16:18	10/10/23 15:13	1,6010D	JMF
Lead, TCLP	ND	mg/l	0.500	0.0270	1	10/09/23 16:18	10/10/23 15:13	1,6010D	JMF
Selenium, TCLP	ND	mg/l	0.500	0.0350	1	10/09/23 16:18	10/10/23 15:13	1,6010D	JMF
Silver, TCLP	ND	mg/l	0.100	0.0280	1	10/09/23 16:18	10/10/23 15:13	1,6010D	JMF

### Prep Information

Digestion Method: EPA 3015  
TCLP/SPLP Extraction Date: 10/06/23 15:58

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-06,08-09 Batch: WG1837324-1									
Mercury, TCLP	ND	mg/l	0.0010	0.0005	1	10/09/23 14:50	10/10/23 09:52	1,7470A	GMG

### Prep Information

Digestion Method: EPA 7470A  
TCLP/SPLP Extraction Date: 10/06/23 15:58

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 07 Batch: WG1838530-1									
Arsenic, TCLP	ND	mg/l	1.00	0.0190	1	10/11/23 20:50	10/12/23 07:16	1,6010D	JMF
Barium, TCLP	ND	mg/l	0.500	0.0210	1	10/11/23 20:50	10/12/23 07:16	1,6010D	JMF
Cadmium, TCLP	ND	mg/l	0.100	0.0100	1	10/11/23 20:50	10/12/23 07:16	1,6010D	JMF
Chromium, TCLP	ND	mg/l	0.200	0.0210	1	10/11/23 20:50	10/12/23 07:16	1,6010D	JMF
Lead, TCLP	ND	mg/l	0.500	0.0270	1	10/11/23 20:50	10/12/23 07:16	1,6010D	JMF
Selenium, TCLP	ND	mg/l	0.500	0.0350	1	10/11/23 20:50	10/12/23 07:16	1,6010D	JMF
Silver, TCLP	ND	mg/l	0.100	0.0280	1	10/11/23 20:50	10/12/23 07:16	1,6010D	JMF

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

## Method Blank Analysis Batch Quality Control

### Prep Information

Digestion Method: EPA 3015  
TCLP/SPLP Extraction Date: 10/08/23 21:04

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 07 Batch: WG1838531-1									
Mercury, TCLP	ND	mg/l	0.0010	0.0005	1	10/11/23 20:35	10/12/23 08:55	1,7470A	RJP

### Prep Information

Digestion Method: EPA 7470A  
TCLP/SPLP Extraction Date: 10/08/23 21:01

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06,08-09 Batch: WG1837322-2								
Arsenic, TCLP	106		-		75-125	-		20
Barium, TCLP	105		-		75-125	-		20
Cadmium, TCLP	102		-		75-125	-		20
Chromium, TCLP	105		-		75-125	-		20
Lead, TCLP	103		-		75-125	-		20
Selenium, TCLP	105		-		75-125	-		20
Silver, TCLP	103		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06,08-09 Batch: WG1837324-2								
Mercury, TCLP	95		-		80-120	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 07 Batch: WG1838530-2								
Arsenic, TCLP	102		-		75-125	-		20
Barium, TCLP	99		-		75-125	-		20
Cadmium, TCLP	98		-		75-125	-		20
Chromium, TCLP	99		-		75-125	-		20
Lead, TCLP	98		-		75-125	-		20
Selenium, TCLP	106		-		75-125	-		20
Silver, TCLP	102		-		75-125	-		20

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 07 Batch: WG1838531-2					
Mercury, TCLP	98	-	80-120	-	

### Matrix Spike Analysis Batch Quality Control

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06,08-09 QC Batch ID: WG1837322-3 QC Sample: L2358698-01 Client ID: MS Sample												
Arsenic, TCLP	ND	1.2	1.30	108	-	-	-	-	75-125	-	-	20
Barium, TCLP	0.545	20	21.2	103	-	-	-	-	75-125	-	-	20
Cadmium, TCLP	ND	0.53	0.539	102	-	-	-	-	75-125	-	-	20
Chromium, TCLP	ND	2	2.12	106	-	-	-	-	75-125	-	-	20
Lead, TCLP	0.0401J	5.3	5.51	104	-	-	-	-	75-125	-	-	20
Selenium, TCLP	ND	1.2	1.29	108	-	-	-	-	75-125	-	-	20
Silver, TCLP	ND	0.5	0.534	107	-	-	-	-	75-125	-	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06,08-09 QC Batch ID: WG1837324-3 QC Sample: L2358698-15 Client ID: MS Sample												
Mercury, TCLP	ND	0.025	0.0288	115	-	-	-	-	75-125	-	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1838530-3 QC Sample: L2359584-01 Client ID: MS Sample												
Arsenic, TCLP	ND	1.2	1.22	102	-	-	-	-	75-125	-	-	20
Barium, TCLP	0.533	20	19.9	97	-	-	-	-	75-125	-	-	20
Cadmium, TCLP	ND	0.53	0.509	96	-	-	-	-	75-125	-	-	20
Chromium, TCLP	ND	2	1.93	96	-	-	-	-	75-125	-	-	20
Lead, TCLP	0.405J	5.3	5.52	104	-	-	-	-	75-125	-	-	20
Selenium, TCLP	ND	1.2	1.24	103	-	-	-	-	75-125	-	-	20
Silver, TCLP	ND	0.5	0.501	100	-	-	-	-	75-125	-	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1838531-3 QC Sample: L2359584-01 Client ID: MS Sample												
Mercury, TCLP	ND	0.025	0.0244	98	-	-	-	-	75-125	-	-	20



### Lab Duplicate Analysis Batch Quality Control

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06,08-09 QC Batch ID: WG1837322-4 QC Sample: L2358698-01 Client ID: DUP Sample						
Lead, TCLP	0.0401J	0.0431J	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06,08-09 QC Batch ID: WG1837324-4 QC Sample: L2358698-15 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1838530-4 QC Sample: L2359584-01 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.533	0.516	mg/l	3		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	0.405J	0.400J	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1838531-4 QC Sample: L2359584-01 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20



# **INORGANICS & MISCELLANEOUS**

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

**Lab ID:** L2359212-01  
**Client ID:** TM-SUMPS-01-10042023  
**Sample Location:** 3875 RIVER ROAD

**Date Collected:** 10/06/23 11:01  
**Date Received:** 10/06/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	77.1		%	0.100	NA	1	-	10/10/23 00:05	121,2540G	WJM
Cyanide, Total	36		mg/kg	2.5	0.54	2	10/11/23 13:00	10/11/23 17:18	1,9010C/9012B	JER
pH (H)	11.0		SU	-	NA	1	-	10/16/23 21:17	1,9045D	AAS
Nitrogen, Ammonia	120		mg/kg	8.1	3.0	1	10/17/23 01:22	10/17/23 17:39	121,4500NH3-BH	AVT
Flash Point	>150		deg F	70	NA	1	-	10/17/23 07:15	1,1010A	MRS
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/14/23 08:52	10/14/23 10:33	125,7.3	JLB
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/14/23 08:52	10/14/23 10:54	125,7.3	JLB



**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

**Lab ID:** L2359212-02  
**Client ID:** TM-SUMPS-02-10042023  
**Sample Location:** 3875 RIVER ROAD

**Date Collected:** 10/06/23 11:05  
**Date Received:** 10/06/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	85.2		%	0.100	NA	1	-	10/10/23 00:05	121,2540G	WJM
Cyanide, Total	20		mg/kg	1.1	0.23	1	10/11/23 13:00	10/11/23 17:27	1,9010C/9012B	JER
pH (H)	11.7		SU	-	NA	1	-	10/16/23 21:17	1,9045D	AAS
Nitrogen, Ammonia	63		mg/kg	7.3	2.7	1	10/17/23 01:22	10/17/23 17:42	121,4500NH3-BH	AVT
Flash Point	>150		deg F	70	NA	1	-	10/17/23 07:15	1,1010A	MRS
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/14/23 08:52	10/14/23 10:35	125,7.3	JLB
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/14/23 08:52	10/14/23 10:55	125,7.3	JLB



**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

**Lab ID:** L2359212-03  
**Client ID:** TM-SUMPS-03-10042023  
**Sample Location:** 3875 RIVER ROAD

**Date Collected:** 10/06/23 11:10  
**Date Received:** 10/06/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	84.9		%	0.100	NA	1	-	10/10/23 00:05	121,2540G	WJM
Cyanide, Total	13		mg/kg	1.1	0.24	1	10/11/23 13:00	10/11/23 17:03	1,9010C/9012B	JER
pH (H)	11.0		SU	-	NA	1	-	10/16/23 21:17	1,9045D	AAS
Nitrogen, Ammonia	23		mg/kg	7.3	2.7	1	10/17/23 01:22	10/17/23 17:43	121,4500NH3-BH	AVT
Flash Point	>150		deg F	70	NA	1	-	10/17/23 07:15	1,1010A	MRS
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/14/23 08:52	10/14/23 10:35	125,7.3	JLB
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/14/23 08:52	10/14/23 10:55	125,7.3	JLB



**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

**Lab ID:** L2359212-04  
**Client ID:** TM-SUMPS-04-10042023  
**Sample Location:** 3875 RIVER ROAD

**Date Collected:** 10/06/23 11:15  
**Date Received:** 10/06/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	80.7		%	0.100	NA	1	-	10/10/23 00:05	121,2540G	WJM
Cyanide, Total	27		mg/kg	1.2	0.25	1	10/11/23 13:00	10/11/23 17:04	1,9010C/9012B	JER
pH (H)	11.5		SU	-	NA	1	-	10/16/23 21:17	1,9045D	AAS
Nitrogen, Ammonia	74		mg/kg	7.7	2.9	1	10/17/23 01:22	10/17/23 17:44	121,4500NH3-BH	AVT
Flash Point	>150		deg F	70	NA	1	-	10/17/23 07:15	1,1010A	MRS
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/14/23 08:52	10/14/23 10:35	125,7.3	JLB
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/14/23 08:52	10/14/23 10:55	125,7.3	JLB



**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

**Lab ID:** L2359212-05  
**Client ID:** SS-BCP-24-11-10042023  
**Sample Location:** 3875 RIVER ROAD

**Date Collected:** 10/06/23 11:00  
**Date Received:** 10/06/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	88.5		%	0.100	NA	1	-	10/10/23 00:05	121,2540G	WJM
Cyanide, Total	28		mg/kg	2.2	0.46	2	10/11/23 13:00	10/11/23 17:22	1,9010C/9012B	JER
pH (H)	12.0		SU	-	NA	1	-	10/16/23 21:17	1,9045D	AAS
Nitrogen, Ammonia	73		mg/kg	7.0	2.6	1	10/17/23 01:22	10/17/23 17:45	121,4500NH3-BH	AVT
Flash Point	>150		deg F	70	NA	1	-	10/17/23 07:15	1,1010A	MRS
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/14/23 08:52	10/14/23 10:35	125,7.3	JLB
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/14/23 08:52	10/14/23 10:56	125,7.3	JLB



**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

**Lab ID:** L2359212-06  
**Client ID:** SS-BCP-24-10-10042023  
**Sample Location:** 3875 RIVER ROAD

**Date Collected:** 10/06/23 11:20  
**Date Received:** 10/06/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	91.9		%	0.100	NA	1	-	10/10/23 00:05	121,2540G	WJM
Cyanide, Total	8.9		mg/kg	1.0	0.21	1	10/11/23 13:00	10/11/23 17:23	1,9010C/9012B	JER
pH (H)	12.4		SU	-	NA	1	-	10/16/23 21:17	1,9045D	AAS
Nitrogen, Ammonia	23		mg/kg	6.8	2.5	1	10/17/23 01:22	10/17/23 17:48	121,4500NH3-BH	AVT
Flash Point	>150		deg F	70	NA	1	-	10/17/23 07:15	1,1010A	MRS
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/14/23 08:52	10/14/23 10:36	125,7.3	JLB
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/14/23 08:52	10/14/23 10:56	125,7.3	JLB





**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

**Lab ID:** L2359212-07  
**Client ID:** SS-BCP-24-09-10042023  
**Sample Location:** 3875 RIVER ROAD

**Date Collected:** 10/06/23 11:25  
**Date Received:** 10/06/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	94.5		%	0.100	NA	1	-	10/10/23 00:05	121,2540G	WJM
Cyanide, Total	7.9		mg/kg	1.0	0.21	1	10/14/23 09:20	10/16/23 18:29	1,9010C/9012B	JER
pH (H)	12.4		SU	-	NA	1	-	10/16/23 21:17	1,9045D	AAS
Nitrogen, Ammonia	22		mg/kg	6.6	2.4	1	10/17/23 01:22	10/17/23 17:49	121,4500NH3-BH	AVT
Flash Point	>150		deg F	70	NA	1	-	10/17/23 07:15	1,1010A	MRS
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/16/23 18:15	10/16/23 20:39	125,7.3	TLH
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/16/23 18:15	10/16/23 20:47	125,7.3	TLH



**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

**Lab ID:** L2359212-08  
**Client ID:** SS-BCP-24-08-10042023  
**Sample Location:** 3875 RIVER ROAD

**Date Collected:** 10/06/23 11:30  
**Date Received:** 10/06/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	92.8		%	0.100	NA	1	-	10/10/23 00:05	121,2540G	WJM
Cyanide, Total	31		mg/kg	2.0	0.42	2	10/14/23 09:20	10/16/23 18:37	1,9010C/9012B	JER
pH (H)	12.0		SU	-	NA	1	-	10/16/23 21:17	1,9045D	AAS
Nitrogen, Ammonia	51		mg/kg	6.7	2.5	1	10/17/23 01:22	10/17/23 17:50	121,4500NH3-BH	AVT
Flash Point	>150		deg F	70	NA	1	-	10/17/23 07:15	1,1010A	MRS
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/16/23 18:15	10/16/23 20:39	125,7.3	TLH
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/16/23 18:15	10/16/23 20:48	125,7.3	TLH



**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**SAMPLE RESULTS**

**Lab ID:** L2359212-09  
**Client ID:** SS-BCP-24-07-10042023  
**Sample Location:** 3875 RIVER ROAD

**Date Collected:** 10/06/23 11:35  
**Date Received:** 10/06/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	93.0		%	0.100	NA	1	-	10/10/23 00:05	121,2540G	WJM
Cyanide, Total	30		mg/kg	2.0	0.42	2	10/14/23 09:20	10/16/23 18:38	1,9010C/9012B	JER
pH (H)	12.2		SU	-	NA	1	-	10/16/23 21:17	1,9045D	AAS
Nitrogen, Ammonia	39		mg/kg	6.7	2.5	1	10/17/23 01:22	10/17/23 17:51	121,4500NH3-BH	AVT
Flash Point	>150		deg F	70	NA	1	-	10/17/23 07:15	1,1010A	MRS
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/16/23 18:15	10/16/23 20:40	125,7.3	TLH
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/16/23 18:15	10/16/23 20:48	125,7.3	TLH



**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

**Method Blank Analysis**  
**Batch Quality Control**

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1838378-1									
Cyanide, Total	ND	mg/kg	0.91	0.19	1	10/11/23 13:00	10/11/23 16:47	1,9010C/9012B	JER
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1839412-1									
Cyanide, Reactive	ND	mg/kg	10	10.	1	10/14/23 08:52	10/14/23 10:24	125,7.3	JLB
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1839421-1									
Sulfide, Reactive	ND	mg/kg	10	10.	1	10/14/23 08:52	10/14/23 10:52	125,7.3	JLB
General Chemistry - Westborough Lab for sample(s): 07-09 Batch: WG1839698-1									
Cyanide, Total	ND	mg/kg	0.83	0.18	1	10/14/23 09:20	10/16/23 18:23	1,9010C/9012B	JER
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG1840304-1									
Nitrogen, Ammonia	ND	mg/kg	7.5	0.02	1	10/17/23 01:22	10/17/23 17:36	121,4500NH3-BH	AVT
General Chemistry - Westborough Lab for sample(s): 07-09 Batch: WG1840378-1									
Sulfide, Reactive	ND	mg/kg	10	10.	1	10/16/23 18:15	10/16/23 20:47	125,7.3	TLH
General Chemistry - Westborough Lab for sample(s): 07-09 Batch: WG1840380-1									
Cyanide, Reactive	ND	mg/kg	10	10.	1	10/16/23 18:15	10/16/23 20:38	125,7.3	TLH

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1838378-2 WG1838378-3								
Cyanide, Total	132	Q	137	Q	80-120	4		35
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1839412-2								
Cyanide, Reactive	89		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1839421-2								
Sulfide, Reactive	95		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 07-09 Batch: WG1839698-2 WG1839698-3								
Cyanide, Total	37	Q	45	Q	80-120	9		35
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG1840304-2								
Nitrogen, Ammonia	97		-		83-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 07-09 Batch: WG1840378-2								
Sulfide, Reactive	95		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 07-09 Batch: WG1840380-2								
Cyanide, Reactive	114		-		30-125	-		40

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG1840424-1					
pH	100	-	99-101	-	
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG1840550-1					
Flash Point	100	-	96-104	-	

### Matrix Spike Analysis Batch Quality Control

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1838378-4 WG1838378-5 QC Sample: L2359212-01 Client ID: TM-SUMPS-01-10042023												
Cyanide, Total	36	12	47	92		68	260	Q	75-125	37	Q	35
General Chemistry - Westborough Lab Associated sample(s): 07-09 QC Batch ID: WG1839698-4 WG1839698-5 QC Sample: L2359212-09 Client ID: SS-BCP-24-07-10042023												
Cyanide, Total	30	10	5.4	0	Q	7.2	0	Q	75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1840304-4 QC Sample: L2359212-01 Client ID: TM-SUMPS-01-10042023												
Nitrogen, Ammonia	120	430	490	86		-	-		55-144	-		20

## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1837580-1 QC Sample: L2358194-01 Client ID: DUP Sample						
Solids, Total	69.9	69.0	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1839412-3 QC Sample: L2359212-06 Client ID: SS-BCP-24-10-10042023						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1839421-3 QC Sample: L2359212-06 Client ID: SS-BCP-24-10-10042023						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1840304-3 QC Sample: L2359212-01 Client ID: TM-SUMPS-01-10042023						
Nitrogen, Ammonia	120	150	mg/kg	22	Q	20
General Chemistry - Westborough Lab Associated sample(s): 07-09 QC Batch ID: WG1840378-3 QC Sample: L2359250-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 07-09 QC Batch ID: WG1840380-3 QC Sample: L2359250-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1840424-2 QC Sample: L2361040-01 Client ID: DUP Sample						
pH	7.99	7.50	SU	6	Q	5
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1840550-2 QC Sample: L2358080-02 Client ID: DUP Sample						
Flash Point	141	138	deg F	2		



**Project Name:** RITC  
**Project Number:** RITC-BENCH SCALE

**Lab Number:** L2359212  
**Report Date:** 10/17/23

### Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

#### Cooler Information

**Cooler**                      **Custody Seal**  
A                                      Absent

#### Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2359212-01A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2359212-01B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		TCN-9010(14),REACTS(14),FLASH(),PH-9045(1),REACTCN(14),NH3-4500(28)
L2359212-01C	Vial Large Septa unpreserved (4oz)	A	NA		3.9	Y	Absent		HOLD-8260(14)
L2359212-01D	Glass 500ml/16oz unpreserved	A	NA		3.9	Y	Absent		TCN-9010(14),REACTS(14),FLASH(),PH-9045(1),REACTCN(14),NH3-4500(28)
L2359212-01T	Vial unpreserved Extracts	A	NA		3.9	Y	Absent		HOLD-8260(14)
L2359212-01U	Vial unpreserved Extracts	A	NA		3.9	Y	Absent		HOLD-8260(14)
L2359212-01V	Amber 1000ml unpreserved Extracts	A	NA		3.9	Y	Absent		TCLP-8270(14),PEST-TCLP*(14),HERB-TCLP*(14)
L2359212-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.9	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2359212-01X9	Tumble Vessel	A	NA		3.9	Y	Absent		-
L2359212-02A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2359212-02B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		TCN-9010(14),REACTS(14),FLASH(),PH-9045(1),REACTCN(14),NH3-4500(28)
L2359212-02C	Vial Large Septa unpreserved (4oz)	A	NA		3.9	Y	Absent		HOLD-8260(14)
L2359212-02D	Glass 500ml/16oz unpreserved	A	NA		3.9	Y	Absent		TCN-9010(14),REACTS(14),FLASH(),PH-9045(1),REACTCN(14),NH3-4500(28)
L2359212-02T	Vial unpreserved Extracts	A	NA		3.9	Y	Absent		HOLD-8260(14)
L2359212-02U	Vial unpreserved Extracts	A	NA		3.9	Y	Absent		HOLD-8260(14)
L2359212-02V	Amber 1000ml unpreserved Extracts	A	NA		3.9	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2359212-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.9	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2359212-02X9	Tumble Vessel	A	NA		3.9	Y	Absent		-
L2359212-03A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)

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**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2359212-03B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		REACTS(14),TCN-9010(14),FLASH(),PH-9045(1),REACTCN(14),NH3-4500(28)
L2359212-03C	Vial Large Septa unpreserved (4oz)	A	NA		3.9	Y	Absent		HOLD-8260(14)
L2359212-03D	Glass 500ml/16oz unpreserved	A	NA		3.9	Y	Absent		REACTS(14),TCN-9010(14),FLASH(),PH-9045(1),REACTCN(14),NH3-4500(28)
L2359212-03T	Vial unpreserved Extracts	A	NA		3.9	Y	Absent		HOLD-8260(14)
L2359212-03U	Vial unpreserved Extracts	A	NA		3.9	Y	Absent		HOLD-8260(14)
L2359212-03V	Amber 1000ml unpreserved Extracts	A	NA		3.9	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2359212-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.9	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2359212-03X9	Tumble Vessel	A	NA		3.9	Y	Absent		-
L2359212-04A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2359212-04B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		REACTS(14),TCN-9010(14),FLASH(),PH-9045(1),REACTCN(14),NH3-4500(28)
L2359212-04C	Vial Large Septa unpreserved (4oz)	A	NA		3.9	Y	Absent		HOLD-8260(14)
L2359212-04D	Glass 500ml/16oz unpreserved	A	NA		3.9	Y	Absent		REACTS(14),TCN-9010(14),FLASH(),PH-9045(1),REACTCN(14),NH3-4500(28)
L2359212-04T	Vial unpreserved Extracts	A	NA		3.9	Y	Absent		HOLD-8260(14)
L2359212-04U	Vial unpreserved Extracts	A	NA		3.9	Y	Absent		HOLD-8260(14)
L2359212-04V	Amber 1000ml unpreserved Extracts	A	NA		3.9	Y	Absent		TCLP-8270(14),PEST-TCLP*(14),HERB-TCLP*(14)
L2359212-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.9	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2359212-04X9	Tumble Vessel	A	NA		3.9	Y	Absent		-
L2359212-05A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2359212-05B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		REACTS(14),TCN-9010(14),FLASH(),PH-9045(1),REACTCN(14),NH3-4500(28)
L2359212-05C	Vial Large Septa unpreserved (4oz)	A	NA		3.9	Y	Absent		HOLD-8260(14)
L2359212-05D	Glass 500ml/16oz unpreserved	A	NA		3.9	Y	Absent		REACTS(14),TCN-9010(14),FLASH(),PH-9045(1),REACTCN(14),NH3-4500(28)
L2359212-05T	Vial unpreserved Extracts	A	NA		3.9	Y	Absent		HOLD-8260(14)
L2359212-05U	Vial unpreserved Extracts	A	NA		3.9	Y	Absent		HOLD-8260(14)
L2359212-05V	Amber 1000ml unpreserved Extracts	A	NA		3.9	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)

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**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2359212-05X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.9	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2359212-05X9	Tumble Vessel	A	NA		3.9	Y	Absent		-
L2359212-06A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2359212-06B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		REACTS(14),TCN-9010(14),FLASH(),PH-9045(1),REACTCN(14),NH3-4500(28)
L2359212-06C	Vial Large Septa unpreserved (4oz)	A	NA		3.9	Y	Absent		TCLP-EXT-ZHE(14)
L2359212-06D	Glass 500ml/16oz unpreserved	A	NA		3.9	Y	Absent		REACTS(14),TCN-9010(14),FLASH(),PH-9045(1),REACTCN(14),NH3-4500(28)
L2359212-06T	Vial unpreserved Extracts	A	NA		3.9	Y	Absent		TCLP-VOA(14)
L2359212-06U	Vial unpreserved Extracts	A	NA		3.9	Y	Absent		TCLP-VOA(14)
L2359212-06V	Amber 1000ml unpreserved Extracts	A	NA		3.9	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2359212-06X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.9	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2359212-06X9	Tumble Vessel	A	NA		3.9	Y	Absent		-
L2359212-07A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2359212-07B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		REACTS(14),TCN-9010(14),FLASH(),PH-9045(1),REACTCN(14),NH3-4500(28)
L2359212-07C	Vial Large Septa unpreserved (4oz)	A	NA		3.9	Y	Absent		TCLP-EXT-ZHE(14)
L2359212-07D	Glass 500ml/16oz unpreserved	A	NA		3.9	Y	Absent		REACTS(14),TCN-9010(14),FLASH(),PH-9045(1),REACTCN(14),NH3-4500(28)
L2359212-07T	Vial unpreserved Extracts	A	NA		3.9	Y	Absent		TCLP-VOA(14)
L2359212-07U	Vial unpreserved Extracts	A	NA		3.9	Y	Absent		TCLP-VOA(14)
L2359212-07V	Amber 1000ml unpreserved Extracts	A	NA		3.9	Y	Absent		TCLP-8270(14),PEST-TCLP*(14),HERB-TCLP*(14)
L2359212-07X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.9	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2359212-07X9	Tumble Vessel	A	NA		3.9	Y	Absent		-
L2359212-08A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2359212-08B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		TCN-9010(14),REACTS(14),FLASH(),PH-9045(1),REACTCN(14),NH3-4500(28)
L2359212-08C	Vial Large Septa unpreserved (4oz)	A	NA		3.9	Y	Absent		HOLD-8260(14)

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<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2359212-08D	Glass 500ml/16oz unpreserved	A	NA		3.9	Y	Absent		TCN-9010(14),REACTS(14),FLASH(),PH-9045(1),REACTCN(14),NH3-4500(28)
L2359212-08T	Vial unpreserved Extracts	A	NA		3.9	Y	Absent		HOLD-8260(14)
L2359212-08U	Vial unpreserved Extracts	A	NA		3.9	Y	Absent		HOLD-8260(14)
L2359212-08V	Amber 1000ml unpreserved Extracts	A	NA		3.9	Y	Absent		TCLP-8270(14),PEST-TCLP*(14),HERB-TCLP*(14)
L2359212-08X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.9	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2359212-08X9	Tumble Vessel	A	NA		3.9	Y	Absent		-
L2359212-09A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2359212-09B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		REACTS(14),TCN-9010(14),FLASH(),PH-9045(1),REACTCN(14),NH3-4500(28)
L2359212-09C	Vial Large Septa unpreserved (4oz)	A	NA		3.9	Y	Absent		TCLP-EXT-ZHE(14)
L2359212-09D	Glass 500ml/16oz unpreserved	A	NA		3.9	Y	Absent		REACTS(14),TCN-9010(14),FLASH(),PH-9045(1),REACTCN(14),NH3-4500(28)
L2359212-09T	Vial unpreserved Extracts	A	NA		3.9	Y	Absent		TCLP-VOA(14)
L2359212-09U	Vial unpreserved Extracts	A	NA		3.9	Y	Absent		TCLP-VOA(14)
L2359212-09V	Amber 1000ml unpreserved Extracts	A	NA		3.9	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L2359212-09X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.9	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2359212-09X9	Tumble Vessel	A	NA		3.9	Y	Absent		-

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## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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### Footnotes

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

### Terms

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

**Chlordane:** The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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

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

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

**Gasoline Range Organics (GRO):** Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

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#### Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

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## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

## LIMITATION OF LIABILITIES

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

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





## Certification Information

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

**Westborough Facility**

**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625.1:** alpha-Terpineol

**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

**Mansfield Facility**

**SM 2540D:** TSS.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

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

**Westborough Facility:**

**Drinking Water**

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

**Non-Potable Water**

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).

**Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

**Mansfield Facility:**

**Drinking Water**

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.

**EPA 522, EPA 537.1.**

**Non-Potable Water**

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.


**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1** Hg.

**SM2340B**

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

 <b>NEW YORK CHAIN OF CUSTODY</b> Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	<b>NEW YORK CHAIN OF CUSTODY</b> Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page   of	Date Rec'd in Lab <span style="font-size: 1.5em;">10/7/23</span>	ALPHA Job # <span style="font-size: 1.5em;">L2351212</span>																																																																																																																																															
		<b>Project Information</b> Project Name: <span style="font-size: 1.2em;">RITC</span> Project Location: <span style="font-size: 1.2em;">3875 River Road.</span> Project # <span style="font-size: 1.2em;">RITC - BENCH SCALE</span> (Use Project name as Project #) <input type="checkbox"/>		<b>Deliverables</b> <input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input checked="" type="checkbox"/> EQUIS (1 File) <input checked="" type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other		<b>Billing Information</b> <input type="checkbox"/> Same as Client Info PO #																																																																																																																																														
<b>Client Information</b> Client: <span style="font-size: 1.2em;">INVENTUM ENGR.</span> Address: <span style="font-size: 1.2em;">441 Carlisle Drive</span> <span style="font-size: 1.2em;">Suite C, Herndon VA.</span> Phone: <span style="font-size: 1.2em;">(716) - 553-5729</span> Fax: Email: <span style="font-size: 1.2em;">Peter.Zaffran@inventumengr.com</span>		<b>Project Manager:</b> <span style="font-size: 1.2em;">JOHN BLACK</span> ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		<b>Regulatory Requirement</b> <input type="checkbox"/> NY TOGS <input checked="" type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		<b>Disposal Site Information</b> Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:																																																																																																																																														
These samples have been previously analyzed by Alpha <input type="checkbox"/> Other project specific requirements/comments:		<b>ANALYSIS</b> *		<b>Sample Filtration</b> <input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below)																																																																																																																																																
Please specify Metals or TAL.		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th rowspan="2">FULL TCLP</th> <th rowspan="2">AMMONIA</th> <th rowspan="2">TOTAL CYANIDE</th> <th rowspan="2">SULFIDITY</th> <th rowspan="2">REACTIVITY</th> <th rowspan="2">IGNITABILITY</th> <th rowspan="2">Total Bottles</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>S9212-01</td> <td>TM-SUMPS-01-10042023</td> <td>10/06/23</td> <td>11:01</td> <td>Solid</td> <td>PZ/CB</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td rowspan="9">                     TCLP = 8260, 8270,                      PEST, HERB, METALS.                       IF TCLP 8260                      cannot be run                      Please NOTIFY US                      We will Pick UP                      samples.                 </td> </tr> <tr> <td>02</td> <td>TM-SUMPS-02-10042023</td> <td>10/06/23</td> <td>11:05</td> <td> </td> <td> </td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>03</td> <td>TM-SUMPS-03-10042023</td> <td> </td> <td>11:10</td> <td> </td> <td> </td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>04</td> <td>TM-SUMPS-04-10042023</td> <td> </td> <td>11:15</td> <td> </td> <td> </td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>05</td> <td>SS-BCP-24-11-10042023</td> <td> </td> <td>11:00</td> <td> </td> <td> </td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>06</td> <td>SS-BCP-24-10-10042023</td> <td> </td> <td>11:20</td> <td> </td> <td> </td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>07</td> <td>SS-BCP-24-09-10042023</td> <td> </td> <td>11:25</td> <td> </td> <td> </td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>08</td> <td>SS-BCP-24-08-10042023</td> <td> </td> <td>11:30</td> <td> </td> <td> </td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>09</td> <td>SS-BCP-24-07-10042023</td> <td>10/06/2023</td> <td>11:35</td> <td> </td> <td>PZ/CB</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> </tbody> </table>		ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	FULL TCLP	AMMONIA	TOTAL CYANIDE	SULFIDITY	REACTIVITY	IGNITABILITY	Total Bottles	Date	Time	S9212-01	TM-SUMPS-01-10042023	10/06/23	11:01	Solid	PZ/CB	X	X	X	X	X	X	TCLP = 8260, 8270, PEST, HERB, METALS.  IF TCLP 8260 cannot be run Please NOTIFY US We will Pick UP samples.	02	TM-SUMPS-02-10042023	10/06/23	11:05			X	X	X	X	X		03	TM-SUMPS-03-10042023		11:10			X	X	X	X	X		04	TM-SUMPS-04-10042023		11:15			X	X	X	X	X		05	SS-BCP-24-11-10042023		11:00			X	X	X	X	X		06	SS-BCP-24-10-10042023		11:20			X	X	X	X	X		07	SS-BCP-24-09-10042023		11:25			X	X	X	X	X		08	SS-BCP-24-08-10042023		11:30			X	X	X	X	X		09	SS-BCP-24-07-10042023	10/06/2023	11:35		PZ/CB	X	X	X	X	X		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">                 Preservative Code:                  A = None                  B = HCl                  C = HNO<sub>3</sub>                  D = H<sub>2</sub>SO<sub>4</sub>                  E = NaOH                  F = MeOH                  G = NaHSO<sub>4</sub>                  H = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>                  K/E = Zn Ac/NaOH                  O = Other             </td> <td style="width:15%;">                 Container Code                  P = Plastic                  A = Amber Glass                  V = Vial                  G = Glass                  B = Bacteria Cup                  C = Cube                  O = Other                  E = Encore                  D = BOD Bottle             </td> <td style="width:20%;">                 Westboro: Certification No: MA935                  Mansfield: Certification No: MA015             </td> <td style="width:15%;">                 Container Type                  Preservative             </td> <td style="width:35%;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td> </tr> <tr> <td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td> </tr> </table> </td> </tr> </table>		Preservative Code: A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> K/E = Zn Ac/NaOH O = Other	Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle	Westboro: Certification No: MA935 Mansfield: Certification No: MA015	Container Type Preservative	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td> </tr> <tr> <td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td>A</td> </tr> </table>	A	A	A	A	A	A	A	A	A	A	A	A	A	A
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Relinquished By: <span style="font-size: 1.2em;">Peter Zaffran</span> <span style="font-size: 1.2em;">Freedom Flow (AAL)</span>		Date/Time <span style="font-size: 1.2em;">10/6/23 12:40</span> <span style="font-size: 1.2em;">10/6/23 12:40</span>		Received By: <span style="font-size: 1.2em;">Freedom Flow (AAL)</span> <span style="font-size: 1.2em;">Freedom Flow (AAL)</span>		Date/Time <span style="font-size: 1.2em;">10/6/23 12:40</span> <span style="font-size: 1.2em;">10/7/23 02:10</span>																																																																																																																																														
Form No: 01-25 HC (rev. 30-Sept-2013)		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)																																																																																																																																																		



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

*Analytical Report For*  
**Inventum Engineering, P.C.**

*For Lab Project ID*

**234916**

*Referencing*

**Tar Management Bench Scales**

*Prepared*

**Monday, October 30, 2023**

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

*Emily Farmer*

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Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

*Report Prepared Monday, October 30, 2023*

Page 1 of 20



**Client:** Inventum Engineering, P.C.

**Project Reference:** Tar Management Bench Scales

**Sample Identifier:** TM-Sumps-01-10042023

**Lab Sample ID:** 234916-01

**Date Sampled:** 10/6/2023 11:01

**Matrix:** TCLP Extract

**Date Received** 10/19/2023

***TCLP Volatile Organics***

<b>Analyte</b>	<b>Result</b>	<b>Units</b>	<b>Regulatory Limit</b>	<b>Qualifier</b>	<b>Date Analyzed</b>
1,1-Dichloroethene	< 20.0	ug/L	700		10/20/2023 15:07
1,2-Dichloroethane	< 20.0	ug/L	500		10/20/2023 15:07
2-Butanone	< 100	ug/L	200000		10/20/2023 15:07
Benzene	<b>818</b>	ug/L	500		10/20/2023 15:07
Carbon Tetrachloride	< 20.0	ug/L	500		10/20/2023 15:07
Chlorobenzene	< 20.0	ug/L	100000		10/20/2023 15:07
Chloroform	< 20.0	ug/L	6000		10/20/2023 15:07
Tetrachloroethene	< 20.0	ug/L	700		10/20/2023 15:07
Trichloroethene	< 20.0	ug/L	500		10/20/2023 15:07
Vinyl chloride	< 20.0	ug/L	200		10/20/2023 15:07
<b>Surrogate</b>	<b>Percent Recovery</b>		<b>Limits</b>	<b>Outliers</b>	<b>Date Analyzed</b>
1,2-Dichloroethane-d4	<b>104</b>		79.7 - 118		10/20/2023 15:07
4-Bromofluorobenzene	<b>95.4</b>		80.1 - 112		10/20/2023 15:07
Pentafluorobenzene	<b>96.2</b>		88 - 115		10/20/2023 15:07
Toluene-D8	<b>97.1</b>		88.2 - 113		10/20/2023 15:07

**Method Reference(s):** EPA 8260C  
EPA 1311 / 5030C  
**Data File:** z20423.D



**Client:** Inventum Engineering, P.C.

**Project Reference:** Tar Management Bench Scales

**Sample Identifier:** TM-Sumps-02-10042023

**Lab Sample ID:** 234916-02

**Date Sampled:** 10/6/2023 11:05

**Matrix:** TCLP Extract

**Date Received** 10/19/2023

***TCLP Volatile Organics***

<b>Analyte</b>	<b>Result</b>	<b>Units</b>	<b>Regulatory Limit</b>	<b>Qualifier</b>	<b>Date Analyzed</b>
1,1-Dichloroethene	< 20.0	ug/L	700		10/20/2023 15:27
1,2-Dichloroethane	< 20.0	ug/L	500		10/20/2023 15:27
2-Butanone	< 100	ug/L	200000		10/20/2023 15:27
Benzene	<b>895</b>	ug/L	500		10/20/2023 15:27
Carbon Tetrachloride	< 20.0	ug/L	500		10/20/2023 15:27
Chlorobenzene	< 20.0	ug/L	100000		10/20/2023 15:27
Chloroform	< 20.0	ug/L	6000		10/20/2023 15:27
Tetrachloroethene	< 20.0	ug/L	700		10/20/2023 15:27
Trichloroethene	< 20.0	ug/L	500		10/20/2023 15:27
Vinyl chloride	< 20.0	ug/L	200		10/20/2023 15:27

<b>Surrogate</b>	<b>Percent Recovery</b>	<b>Limits</b>	<b>Outliers</b>	<b>Date Analyzed</b>
1,2-Dichloroethane-d4	<b>106</b>	79.7 - 118		10/20/2023 15:27
4-Bromofluorobenzene	<b>100</b>	80.1 - 112		10/20/2023 15:27
Pentafluorobenzene	<b>97.2</b>	88 - 115		10/20/2023 15:27
Toluene-D8	<b>100</b>	88.2 - 113		10/20/2023 15:27

**Method Reference(s):** EPA 8260C  
EPA 1311 / 5030C  
**Data File:** z20424.D



**Client:** Inventum Engineering, P.C.

**Project Reference:** Tar Management Bench Scales

**Sample Identifier:** TM-Sumps-03-10042023

**Lab Sample ID:** 234916-03

**Date Sampled:** 10/6/2023 11:10

**Matrix:** TCLP Extract

**Date Received** 10/19/2023

***TCLP Volatile Organics***

<b>Analyte</b>	<b>Result</b>	<b>Units</b>	<b>Regulatory Limit</b>	<b>Qualifier</b>	<b>Date Analyzed</b>
1,1-Dichloroethene	< 20.0	ug/L	700		10/20/2023 15:46
1,2-Dichloroethane	< 20.0	ug/L	500		10/20/2023 15:46
2-Butanone	< 100	ug/L	200000		10/20/2023 15:46
Benzene	<b>339</b>	ug/L	500		10/20/2023 15:46
Carbon Tetrachloride	< 20.0	ug/L	500		10/20/2023 15:46
Chlorobenzene	< 20.0	ug/L	100000		10/20/2023 15:46
Chloroform	< 20.0	ug/L	6000		10/20/2023 15:46
Tetrachloroethene	< 20.0	ug/L	700		10/20/2023 15:46
Trichloroethene	< 20.0	ug/L	500		10/20/2023 15:46
Vinyl chloride	< 20.0	ug/L	200		10/20/2023 15:46

<b>Surrogate</b>	<b>Percent Recovery</b>	<b>Limits</b>	<b>Outliers</b>	<b>Date Analyzed</b>
1,2-Dichloroethane-d4	<b>106</b>	79.7 - 118		10/20/2023 15:46
4-Bromofluorobenzene	<b>99.1</b>	80.1 - 112		10/20/2023 15:46
Pentafluorobenzene	<b>100</b>	88 - 115		10/20/2023 15:46
Toluene-D8	<b>101</b>	88.2 - 113		10/20/2023 15:46

**Method Reference(s):** EPA 8260C  
EPA 1311 / 5030C

**Data File:** z20425.D

**Client:** Inventum Engineering, P.C.
**Project Reference:** Tar Management Bench Scales

**Sample Identifier:** TM-Sumps-04-10042023

**Lab Sample ID:** 234916-04

**Date Sampled:** 10/6/2023 11:15

**Matrix:** TCLP Extract

**Date Received** 10/19/2023

***TCLP Volatile Organics***

<b>Analyte</b>	<b>Result</b>	<b>Units</b>	<b>Regulatory Limit</b>	<b>Qualifier</b>	<b>Date Analyzed</b>
1,1-Dichloroethene	< 20.0	ug/L	700		10/24/2023 15:11
1,2-Dichloroethane	< 20.0	ug/L	500		10/24/2023 15:11
2-Butanone	< 100	ug/L	200000		10/24/2023 15:11
Benzene	<b>889</b>	ug/L	500		10/24/2023 15:11
Carbon Tetrachloride	< 20.0	ug/L	500		10/24/2023 15:11
Chlorobenzene	< 20.0	ug/L	100000		10/24/2023 15:11
Chloroform	< 20.0	ug/L	6000		10/24/2023 15:11
Tetrachloroethene	< 20.0	ug/L	700		10/24/2023 15:11
Trichloroethene	< 20.0	ug/L	500		10/24/2023 15:11
Vinyl chloride	< 20.0	ug/L	200		10/24/2023 15:11
<b>Surrogate</b>	<b>Percent Recovery</b>	<b>Limits</b>	<b>Outliers</b>	<b>Date Analyzed</b>	
1,2-Dichloroethane-d4	<b>100</b>	79.7 - 118		10/24/2023 15:11	
4-Bromofluorobenzene	<b>97.1</b>	80.1 - 112		10/24/2023 15:11	
Pentafluorobenzene	<b>98.7</b>	88 - 115		10/24/2023 15:11	
Toluene-D8	<b>96.0</b>	88.2 - 113		10/24/2023 15:11	

*TCLP Extraction performed outside 14 day holding time.*
**Method Reference(s):** EPA 8260C  
 EPA 1311 / 5030C

**Data File:** z20500.D



Lab Project ID: 234916

**Client:** Inventum Engineering, P.C.  
**Project Reference:** Tar Management Bench Scales

**Sample Identifier:** SS-BCP-24-11-10042023  
**Lab Sample ID:** 234916-05 **Date Sampled:** 10/6/2023 11:00  
**Matrix:** TCLP Extract **Date Received** 10/19/2023

***TCLP Volatile Organics***

<b>Analyte</b>	<b>Result</b>	<b>Units</b>	<b>Regulatory Limit</b>	<b>Qualifier</b>	<b>Date Analyzed</b>
1,1-Dichloroethene	< 20.0	ug/L	700		10/24/2023 15:31
1,2-Dichloroethane	< 20.0	ug/L	500		10/24/2023 15:31
2-Butanone	< 100	ug/L	200000		10/24/2023 15:31
Benzene	<b>319</b>	ug/L	500		10/24/2023 15:31
Carbon Tetrachloride	< 20.0	ug/L	500		10/24/2023 15:31
Chlorobenzene	< 20.0	ug/L	100000		10/24/2023 15:31
Chloroform	< 20.0	ug/L	6000		10/24/2023 15:31
Tetrachloroethene	< 20.0	ug/L	700		10/24/2023 15:31
Trichloroethene	< 20.0	ug/L	500		10/24/2023 15:31
Vinyl chloride	< 20.0	ug/L	200		10/24/2023 15:31
<b>Surrogate</b>	<b>Percent Recovery</b>	<b>Limits</b>	<b>Outliers</b>	<b>Date Analyzed</b>	
1,2-Dichloroethane-d4	<b>106</b>	79.7 - 118		10/24/2023	15:31
4-Bromofluorobenzene	<b>97.4</b>	80.1 - 112		10/24/2023	15:31
Pentafluorobenzene	<b>99.0</b>	88 - 115		10/24/2023	15:31
Toluene-D8	<b>99.5</b>	88.2 - 113		10/24/2023	15:31

*TCLP Extraction performed outside 14 day holding time.*

**Method Reference(s):** EPA 8260C  
 EPA 1311 / 5030C  
**Data File:** z20501.D

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**Client:** Inventum Engineering, P.C.  
**Project Reference:** Tar Management Bench Scales

**Sample Identifier:** SS-BCP-24-08-10042023  
**Lab Sample ID:** 234916-06 **Date Sampled:** 10/6/2023 11:30  
**Matrix:** TCLP Extract **Date Received** 10/19/2023

***TCLP Volatile Organics***

<b>Analyte</b>	<b>Result</b>	<b>Units</b>	<b>Regulatory Limit</b>	<b>Qualifier</b>	<b>Date Analyzed</b>
1,1-Dichloroethene	< 20.0	ug/L	700		10/24/2023 15:50
1,2-Dichloroethane	< 20.0	ug/L	500		10/24/2023 15:50
2-Butanone	< 100	ug/L	200000		10/24/2023 15:50
Benzene	<b>179</b>	ug/L	500		10/24/2023 15:50
Carbon Tetrachloride	< 20.0	ug/L	500		10/24/2023 15:50
Chlorobenzene	< 20.0	ug/L	100000		10/24/2023 15:50
Chloroform	< 20.0	ug/L	6000		10/24/2023 15:50
Tetrachloroethene	< 20.0	ug/L	700		10/24/2023 15:50
Trichloroethene	< 20.0	ug/L	500		10/24/2023 15:50
Vinyl chloride	< 20.0	ug/L	200		10/24/2023 15:50
<b>Surrogate</b>	<b>Percent Recovery</b>	<b>Limits</b>	<b>Outliers</b>	<b>Date Analyzed</b>	
1,2-Dichloroethane-d4	<b>104</b>	79.7 - 118		10/24/2023	15:50
4-Bromofluorobenzene	<b>95.9</b>	80.1 - 112		10/24/2023	15:50
Pentafluorobenzene	<b>99.2</b>	88 - 115		10/24/2023	15:50
Toluene-D8	<b>97.4</b>	88.2 - 113		10/24/2023	15:50

*TCLP Extraction performed outside 14 day holding time.*

**Method Reference(s):** EPA 8260C  
 EPA 1311 / 5030C  
**Data File:** z20502.D



Lab Project ID: 234916

Client: **Inventum Engineering, P.C.**

Project Reference: Tar Management Bench Scales

Sample Identifier: NW-Box-10192023

Lab Sample ID: 234916-07

Date Sampled: 10/19/2023 8:40

Matrix: TCLP Extract

Date Received 10/19/2023

**TCLP Volatile Organics**

<b>Analyte</b>	<b>Result</b>	<b>Units</b>	<b>Regulatory Limit</b>	<b>Qualifier</b>	<b>Date Analyzed</b>
1,1-Dichloroethene	< 20.0	ug/L	700		10/27/2023 14:12
1,2-Dichloroethane	< 20.0	ug/L	500		10/27/2023 14:12
2-Butanone	< 100	ug/L	200000		10/27/2023 14:12
Benzene	<b>88.0</b>	ug/L	500		10/27/2023 14:12
Carbon Tetrachloride	< 20.0	ug/L	500		10/27/2023 14:12
Chlorobenzene	< 20.0	ug/L	100000		10/27/2023 14:12
Chloroform	< 20.0	ug/L	6000		10/27/2023 14:12
Tetrachloroethene	< 20.0	ug/L	700		10/27/2023 14:12
Trichloroethene	< 20.0	ug/L	500		10/27/2023 14:12
Vinyl chloride	< 20.0	ug/L	200		10/27/2023 14:12

<b>Surrogate</b>	<b>Percent Recovery</b>	<b>Limits</b>	<b>Outliers</b>	<b>Date Analyzed</b>
1,2-Dichloroethane-d4	<b>86.1</b>	79.7 - 118		10/27/2023 14:12
4-Bromofluorobenzene	<b>87.5</b>	80.1 - 112		10/27/2023 14:12
Pentafluorobenzene	<b>98.5</b>	88 - 115		10/27/2023 14:12
Toluene-D8	<b>99.6</b>	88.2 - 113		10/27/2023 14:12

Method Reference(s): EPA 8260C  
 EPA 1311 / 5030C  
 Data File: z20604.D

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Lab Project ID: 234916

**Client:** Inventum Engineering, P.C.  
**Project Reference:** Tar Management Bench Scales

**Sample Identifier:** Center-Sump-10192023  
**Lab Sample ID:** 234916-08 **Date Sampled:** 10/19/2023 8:26  
**Matrix:** TCLP Extract **Date Received** 10/19/2023

***TCLP Volatile Organics***

<b>Analyte</b>	<b>Result</b>	<b>Units</b>	<b>Regulatory Limit</b>	<b>Qualifier</b>	<b>Date Analyzed</b>
1,1-Dichloroethene	< 20.0	ug/L	700		10/27/2023 14:31
1,2-Dichloroethane	< 20.0	ug/L	500		10/27/2023 14:31
2-Butanone	< 100	ug/L	200000		10/27/2023 14:31
Benzene	<b>804</b>	ug/L	500		10/27/2023 14:31
Carbon Tetrachloride	< 20.0	ug/L	500		10/27/2023 14:31
Chlorobenzene	< 20.0	ug/L	100000		10/27/2023 14:31
Chloroform	< 20.0	ug/L	6000		10/27/2023 14:31
Tetrachloroethene	< 20.0	ug/L	700		10/27/2023 14:31
Trichloroethene	< 20.0	ug/L	500		10/27/2023 14:31
Vinyl chloride	< 20.0	ug/L	200		10/27/2023 14:31

<b>Surrogate</b>	<b>Percent Recovery</b>	<b>Limits</b>	<b>Outliers</b>	<b>Date Analyzed</b>
1,2-Dichloroethane-d4	<b>83.1</b>	79.7 - 118		10/27/2023 14:31
4-Bromofluorobenzene	<b>95.3</b>	80.1 - 112		10/27/2023 14:31
Pentafluorobenzene	<b>96.1</b>	88 - 115		10/27/2023 14:31
Toluene-D8	<b>95.2</b>	88.2 - 113		10/27/2023 14:31

**Method Reference(s):** EPA 8260C  
 EPA 1311 / 5030C  
**Data File:** z20605.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

**Client:** Inventum Engineering, P.C.  
**Project Reference:** Tar Management Bench Scales

**Sample Identifier:** East-Sumps-10192023

**Lab Sample ID:** 234916-09

**Date Sampled:** 10/19/2023 8:30

**Matrix:** TCLP Extract

**Date Received:** 10/19/2023

**TCLP Volatile Organics**

<b>Analyte</b>	<b>Result</b>	<b>Units</b>	<b>Regulatory Limit</b>	<b>Qualifier</b>	<b>Date Analyzed</b>
1,1-Dichloroethene	< 20.0	ug/L	700		10/27/2023 14:51
1,2-Dichloroethane	< 20.0	ug/L	500		10/27/2023 14:51
2-Butanone	< 100	ug/L	200000		10/27/2023 14:51
Benzene	<b>1340</b>	ug/L	500		10/27/2023 14:51
Carbon Tetrachloride	< 20.0	ug/L	500		10/27/2023 14:51
Chlorobenzene	< 20.0	ug/L	100000		10/27/2023 14:51
Chloroform	< 20.0	ug/L	6000		10/27/2023 14:51
Tetrachloroethene	< 20.0	ug/L	700		10/27/2023 14:51
Trichloroethene	< 20.0	ug/L	500		10/27/2023 14:51
Vinyl chloride	< 20.0	ug/L	200		10/27/2023 14:51
<b>Surrogate</b>	<b>Percent Recovery</b>		<b>Limits</b>	<b>Outliers</b>	<b>Date Analyzed</b>
1,2-Dichloroethane-d4	<b>82.3</b>		79.7 - 118		10/27/2023 14:51
4-Bromofluorobenzene	<b>94.5</b>		80.1 - 112		10/27/2023 14:51
Pentafluorobenzene	<b>96.9</b>		88 - 115		10/27/2023 14:51
Toluene-D8	<b>95.9</b>		88.2 - 113		10/27/2023 14:51

**Method Reference(s):** EPA 8260C  
 EPA 1311 / 5030C  
**Data File:** z20606.D



**Method Blank Report**

**Client:** Inventum Engineering, P.C.  
**Project Reference:** Tar Management Bench Scales  
**Lab Project ID:** 234916  
**Matrix:** TCLP Fluid

***TCLP Volatile Organics***

<b>Analyte</b>	<b>Result</b>	<b>Units</b>	<b>Qualifier</b>	<b>Date Analyzed</b>
1,1-Dichloroethene	<20.0	ug/L		10/20/2023 11:49
1,2-Dichloroethane	<20.0	ug/L		10/20/2023 11:49
2-Butanone	<100	ug/L		10/20/2023 11:49
Benzene	<20.0	ug/L		10/20/2023 11:49
Carbon Tetrachloride	<20.0	ug/L		10/20/2023 11:49
Chlorobenzene	<20.0	ug/L		10/20/2023 11:49
Chloroform	<20.0	ug/L		10/20/2023 11:49
Tetrachloroethene	<20.0	ug/L		10/20/2023 11:49
Trichloroethene	<20.0	ug/L		10/20/2023 11:49
Vinyl chloride	<20.0	ug/L		10/20/2023 11:49

<b>Surrogate</b>	<b>Percent Recovery</b>	<b>Limits</b>	<b>Outliers</b>	<b>Date Analyzed</b>
1,2-Dichloroethane-d4	<b>106</b>	79.7 - 118		10/20/2023 11:49
4-Bromofluorobenzene	<b>93.1</b>	80.1 - 112		10/20/2023 11:49
Pentafluorobenzene	<b>98.5</b>	88 - 115		10/20/2023 11:49
Toluene-D8	<b>100</b>	88.2 - 113		10/20/2023 11:49

**Method Reference(s):** EPA 8260C  
 EPA 5030  
**Data File:** z20413.D  
**QC Batch ID:** voax231020  
**QC Number:** Blk 1

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QC Report for Laboratory Control Sample

Client: Inventum Engineering, P.C.

Project Reference: Tar Management Bench Scales

Lab Project ID: 234916

Matrix: TCLP Fluid

TCLP Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	%Rec Limits	LCS Outliers	Date Analyzed
1,1-Dichloroethene	20.0	ug/L	19.5	97.3	70.1 - 114		10/20/2023
1,2-Dichloroethane	20.0	ug/L	19.8	99.2	76.2 - 113		10/20/2023
Benzene	20.0	ug/L	19.4	96.9	82.6 - 111		10/20/2023
Carbon Tetrachloride	20.0	ug/L	19.2	95.8	69.7 - 115		10/20/2023
Chlorobenzene	20.0	ug/L	19.9	99.7	88.3 - 111		10/20/2023
Chloroform	20.0	ug/L	19.2	96.2	77.1 - 112		10/20/2023
Tetrachloroethene	20.0	ug/L	17.9	89.4	74.7 - 113		10/20/2023
Trichloroethene	20.0	ug/L	20.0	100	82.4 - 113		10/20/2023
Vinyl chloride	20.0	ug/L	19.8	98.9	63 - 120		10/20/2023

Method Reference(s): EPA 8260C

EPA 5030

Data File: z20412.D

QC Number: LCS 1

QC Batch ID: voax231020

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**Method Blank Report**

**Client:** Inventum Engineering, P.C.  
**Project Reference:** Tar Management Bench Scales  
**Lab Project ID:** 234916  
**Matrix:** TCLP Fluid

***TCLP Volatile Organics***

<b>Analyte</b>	<b>Result</b>	<b>Units</b>	<b>Qualifier</b>	<b>Date Analyzed</b>
1,1-Dichloroethene	<20.0	ug/L		10/24/2023 12:51
1,2-Dichloroethane	<20.0	ug/L		10/24/2023 12:51
2-Butanone	<100	ug/L		10/24/2023 12:51
Benzene	<20.0	ug/L		10/24/2023 12:51
Carbon Tetrachloride	<20.0	ug/L		10/24/2023 12:51
Chlorobenzene	<20.0	ug/L		10/24/2023 12:51
Chloroform	<20.0	ug/L		10/24/2023 12:51
Tetrachloroethene	<20.0	ug/L		10/24/2023 12:51
Trichloroethene	<20.0	ug/L		10/24/2023 12:51
Vinyl chloride	<20.0	ug/L		10/24/2023 12:51

<b>Surrogate</b>	<b>Percent Recovery</b>	<b>Limits</b>	<b>Outliers</b>	<b>Date Analyzed</b>
1,2-Dichloroethane-d4	<b>108</b>	79.7 - 118		10/24/2023 12:51
4-Bromofluorobenzene	<b>88.0</b>	80.1 - 112		10/24/2023 12:51
Pentafluorobenzene	<b>99.7</b>	88 - 115		10/24/2023 12:51
Toluene-D8	<b>101</b>	88.2 - 113		10/24/2023 12:51

**Method Reference(s):** EPA 8260C  
 EPA 5030  
**Data File:** z20494.D  
**QC Batch ID:** voax231024  
**QC Number:** Blk 1

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*QC Report for Laboratory Control Sample*

**Client:** Inventum Engineering, P.C.

**Project Reference:** Tar Management Bench Scales

**Lab Project ID:** 234916

**Matrix:** TCLP Fluid

**TCLP Volatile Organics**

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	%Rec Limits	LCS Outliers	Date Analyzed
1,1-Dichloroethene	20.0	ug/L	18.9	94.4	70.1 - 114		10/24/2023
1,2-Dichloroethane	20.0	ug/L	19.9	99.6	76.2 - 113		10/24/2023
Benzene	20.0	ug/L	18.8	94.0	82.6 - 111		10/24/2023
Carbon Tetrachloride	20.0	ug/L	18.4	92.0	69.7 - 115		10/24/2023
Chlorobenzene	20.0	ug/L	19.5	97.3	88.3 - 111		10/24/2023
Chloroform	20.0	ug/L	18.7	93.5	77.1 - 112		10/24/2023
Tetrachloroethene	20.0	ug/L	19.1	95.3	74.7 - 113		10/24/2023
Trichloroethene	20.0	ug/L	19.4	96.9	82.4 - 113		10/24/2023
Vinyl chloride	20.0	ug/L	18.6	92.8	63 - 120		10/24/2023

**Method Reference(s):** EPA 8260C

**Data File:** EPA 5030

**QC Number:** z20493.D

**QC Batch ID:** LCS 1

voax231024

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**Method Blank Report**

**Client:** Inventum Engineering, P.C.  
**Project Reference:** Tar Management Bench Scales  
**Lab Project ID:** 234916  
**Matrix:** TCLP Fluid

***TCLP Volatile Organics***

<b>Analyte</b>	<b>Result</b>	<b>Units</b>	<b>Qualifier</b>	<b>Date Analyzed</b>
1,1-Dichloroethene	<20.0	ug/L		10/27/2023 13:14
1,2-Dichloroethane	<20.0	ug/L		10/27/2023 13:14
2-Butanone	<100	ug/L		10/27/2023 13:14
Benzene	<20.0	ug/L		10/27/2023 13:14
Carbon Tetrachloride	<20.0	ug/L		10/27/2023 13:14
Chlorobenzene	<20.0	ug/L		10/27/2023 13:14
Chloroform	<20.0	ug/L		10/27/2023 13:14
Tetrachloroethene	<20.0	ug/L		10/27/2023 13:14
Trichloroethene	<20.0	ug/L		10/27/2023 13:14
Vinyl chloride	<20.0	ug/L		10/27/2023 13:14

<b>Surrogate</b>	<b>Percent Recovery</b>	<b>Limits</b>	<b>Outliers</b>	<b>Date Analyzed</b>
1,2-Dichloroethane-d4	<b>83.3</b>	79.7 - 118		10/27/2023 13:14
4-Bromofluorobenzene	<b>85.7</b>	80.1 - 112		10/27/2023 13:14
Pentafluorobenzene	<b>97.5</b>	88 - 115		10/27/2023 13:14
Toluene-D8	<b>98.4</b>	88.2 - 113		10/27/2023 13:14

**Method Reference(s):** EPA 8260C  
 EPA 5030  
**Data File:** z20601.D  
**QC Batch ID:** voax231027  
**QC Number:** Blk 1

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QC Report for Laboratory Control Sample

Client: Inventum Engineering, P.C.

Project Reference: Tar Management Bench Scales

Lab Project ID: 234916

Matrix: TCLP Fluid

TCLP Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	%Rec Limits	LCS Outliers	Date Analyzed
1,1-Dichloroethene	20.0	ug/L	17.8	89.0	70.1 - 114		10/27/2023
1,2-Dichloroethane	20.0	ug/L	16.9	84.3	76.2 - 113		10/27/2023
Benzene	20.0	ug/L	19.9	99.4	82.6 - 111		10/27/2023
Carbon Tetrachloride	20.0	ug/L	17.1	85.7	69.7 - 115		10/27/2023
Chlorobenzene	20.0	ug/L	19.7	98.5	88.3 - 111		10/27/2023
Chloroform	20.0	ug/L	18.0	89.8	77.1 - 112		10/27/2023
Tetrachloroethene	20.0	ug/L	18.9	94.5	74.7 - 113		10/27/2023
Trichloroethene	20.0	ug/L	20.6	103	82.4 - 113		10/27/2023
Vinyl chloride	20.0	ug/L	19.5	97.7	63 - 120		10/27/2023

Method Reference(s): EPA 8260C

EPA 5030

Data File: z20600.D

QC Number: LCS 1

QC Batch ID: voax231027

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## Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

*"<" = Analyzed for but not detected at or above the quantitation limit.*

*"E" = Result has been estimated, calibration limit exceeded.*

*"H" = Denotes a parameter analyzed outside of holding time.*

*"Z" = See case narrative.*

*"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.*

*"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.*

*"B" = Method blank contained trace levels of analyte. Refer to included method blank report.*

*"J" = Result estimated between the quantitation limit and half the quantitation limit.*

*"L" = Laboratory Control Sample recovery outside accepted QC limits.*

*"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.*

*"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.*

*"\*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

*"(1)" = Indicates data from primary column used for QC calculation.*

*"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.*

*"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.*

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

# GENERAL TERMS AND CONDITIONS

## LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

### **Warranty.**

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

### **Scope and Compensation.**

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

### **Prices.**

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

### **Limitations of Liability.**

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

### **Hazard Disclosure.**

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

### **Sample Handling.**

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.

Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

### **Legal Responsibility.**

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

### **Assignment.**

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

### **Force Majeure.**

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

### **Law.**

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

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### CHAIN OF CUSTODY

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# PARADIGM ENVIRONMENTAL SERVICES

PROJECT REFERENCE  
**TAP MANAGEMENT BENCH SCALES**

REPORT TO:		INVOICE TO:	
COMPANY: INVENTUM ENGINEERING	COMPANY: SAME	LAB PROJECT ID: 234916	Quotation #: 234916
Address: 441 CARLISLE DR	Address:	State: NY	Zip: 14610
City: WYANDON	City:	State:	Zip:
Phone: 585-734-5235	Phone:	Fax:	
ATTN: ROYANNE BIRX	ATTN: JOHN BLAKE	Email: royanne.birx@inventumeng.com	
Matrix Codes: AQ - Aqueous Liquid, NG - Non-Aqueous Liquid	Requested Analysis: WA - Water, WG - Groundwater, DW - Drinking Water, WW - Wastewater, SO - Soil, SL - Sludge, SD - Solid, PT - Paint, WP - Wipe, CK - Caulk, OL - Oil, AR - Air		

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRADES	SAMPLE IDENTIFIER	MATERIALS	CONTAMINANTS	REQUESTED ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
10/6/23	11:01	X		TM-SUMPS-01-10042023	SL	1	X		01
	11:05	X		TM-SUMPS-02-10042023	SL	1	X		02
	11:10	X		TM-SUMPS-03-10042023	SL	1	X		03
	11:15	X		TM-SUMPS-04-10042023	SL	1	X		04
	11:20	X		SS-BER-24-11-10042023	SD	1	X		05
	11:30	X		SS-BER-24-08-10042023	SD	1	X		06
10/19/23	8:40	X		NW-BOX-10192023	SL	1	X		07
10/19/23	8:24	X		CENTER-SUMP-10192023	SL	1	X		08
10/19/23	8:30	X		EAST-SUMPS-10192023	SL	1	X		09

Turnaround Time	Report Supplements
Availability contingent upon lab approval; additional fees may apply.	
Standard 5 day <input checked="" type="checkbox"/>	None Required <input type="checkbox"/>
10 day <input type="checkbox"/>	Batch QC <input checked="" type="checkbox"/>
Rush 3 day <input type="checkbox"/>	Category A <input type="checkbox"/>
Rush 2 day <input type="checkbox"/>	Category B <input type="checkbox"/>
Rush 1 day <input type="checkbox"/>	Category C <input checked="" type="checkbox"/>
Other <input type="checkbox"/>	Other EDD <input type="checkbox"/>
Other <input type="checkbox"/>	Other EDD <input type="checkbox"/>

Sampler By: ROYANNE BIRX	Date/Time: 10/18/2023	Total Cost:
Relinquished By: [Signature]	Date/Time: 10/19/23 16:50	
Received By: [Signature]	Date/Time: 10/19/23 10:15	PLF: <input type="checkbox"/>
Received @ Lab By: [Signature]	Date/Time: 10/19/23 16:06	

Received 10/19/23 16:04

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).



2.02

### Chain of Custody Supplement

Client: Inventum Engineering

Completed by: [Signature]

Lab Project ID: 234916

Date: 10/19/2023

#### Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input type="checkbox"/>	<input checked="" type="checkbox"/> <i>REL VOA</i>	<input type="checkbox"/>
Comments	_____		
Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	<u>4°C Feed</u>		
Compliant Sample Quantity/Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		