



March 31, 2023

To: Benjamin McPherson (NYSDEC)

From: John Black, P.E. (Inventum)

CC: John Yensan and Dan Flanigan (OSC); Robert Knoer (The Knoer Group); Todd Waldrop, P.E., Roxanne Birx, and James Edwards (Inventum)

Re: ST24 Bioremediation Interim Remedial Measures Work Plan
Riverview Innovation & Technology Campus, Inc.
Brownfield Cleanup Program Site No. C915353
Town of Tonawanda, New York

Inventum Engineering, P.C. (Inventum), on behalf of Riverview Innovation & Technology Campus, Inc. (Riverview), is submitting this Bioremediation Interim Remedial Measures Work Plan which focuses on the soil remediation beneath the recently removed above ground storage tank (AST) ST24, a large former pentane tank, for the Riverview Brownfield Cleanup Program (BCP) site (#C915353) located at 3875 River Road, Tonawanda, New York. The ST24 footprint is located in the southwestern portion of BCP site.

Background

On May 26, 2022, the base of ST24 was removed in accordance with the Aboveground Storage Tank (AST) Management Interim Remedial Measures Work Plan (Inventum, 2021). As outlined in the work plan, the underlying soils were inspected after the base was removed. Visual and olfactory observations suggested the sand fill and the surface of the underlying clay were potentially impacted. The observations included the following:

- The base of ST-24 was constructed without an underlying concrete base.
- The riveted steel base was placed on approximately 6-inches of sand.
- The sand presented visual and olfactory evidence of impact in several areas from which the tank was removed.
- The clay immediately below the sand presented visual and olfactory evidence of impact in several areas from which the tank was removed.

On June 7, 2022, Inventum on behalf of Riverview submitted an Above Ground Storage Tank ST-24 Investigation Work Plan (Inventum, 2022) to the New York State Department of Environmental Conservation (NYSDEC) which outlined the proposed sampling of the material beneath AST ST24 and associated secondary containment. The ST24 soil investigation was conducted in accordance with the approved work plan on June 16, 2022, and the collected soil samples from the test pits were submitted under chain-of-custody to Alpha Analytical for analysis. The soil sample locations and the parameters

with laboratory detections that exceeded the Part 375 Soil Cleanup Objectives (SCOs) for commercial or industrial criteria are present on the attached Figure 1. Table 1 presents the tabulated results for the soil samples collected at the selected intervals across the secondary containment at the 12 sample locations identified in the approved work plan. The laboratory report is provided in Appendix A.

The data clearly differentiate the impacts from ST-24 (dominated by the concentrations of Benzene) in the sample locations below the former storage tank from those that are typical of the site-wide fill (dominated by Polycyclic Aromatic Hydrocarbons [PAHs]) in samples from the secondary containment south of the former storage tank. Inventum is proposing to address the atypical Benzene concentrations under a bioremediation Interim Remedial Measure (IRM). There are three goals to implementation of the IRM; (1) reduce the concentrations of Benzene in the soils to, or below, the commercial SCO of 44,000 ug/Kg, (2) eliminate the characteristic of toxicity exhibited by the 6-inch to 18-inch-deep sample at location 2, and (3) demonstrate the effectiveness of bioremediation for petroleum hydrocarbons at the BCP Site.

Bioremediation involves the stimulation of existing microorganisms (e.g., bacteria) or the introduction of microorganisms to target contaminants as a food source with resulting degradation of the target organic contaminants. Bioremediation can effectively be implemented within an in-situ or ex-situ conditions and soil treatment efficacy is dependent on soil pH, temperature, moisture content, and bioavailability of nutrients (i.e., how accessible are the nutrients to bacteria). While the Benzene is likely bioavailable, the PAHs in the fill matrix may not be available to the bacteria.

Riverview is proposing bioremediation as outlined in this work plan for the treatment of soils impacted by benzene. In addition, the applicability of bioremediation to address semi-volatile organic compounds (SVOCs), primarily PAHs, will be quantified.



Photo No. 1: Aerial view of ST24 (yellow) and the ST21, ST22, and ST23 (west [left] to east) water treatment tanks area (blue).



Photo No. 2: ST24 - the former pentane storage tank. The view is to the south.

Tank ST24 was one of four large ASTs at the southwest property boundary (Photo 1) and was believed to have stored pentane. The tank was a vertical steel cylinder constructed with riveted plate steel and a floating roof. ST24 was emptied prior to Riverview controlling the BCP site. The overall condition of the tank was poor. The tank floor was deteriorated, there was a nominal 4-inch diameter drain in the center of the tank (the pipe led to the north), and secondary containment water is suspected to have communicated with the tank interior. The tank had approximately four inches of a solid material that tested non-hazardous and visually appeared to be soil, debris, and rust scale. The ST24 tank contents are currently staged on polyethylene sheeting pending disposal.

[Work Area and Initial Results](#)

ST24 has an earthen berm secondary containment at approximately 120-feet long by 50-feet wide, with a total area of approximately 6,000 square feet. The area within the berm which was assessed during the post tank removal soil sampling as shown on Figure 1. A total of 26 soil samples were collected and the tabulated analytical results are included in Table 1.

Reddish brown silty clay to clay soil with no evidence of staining begin within the sampled area at approximately 18-inches below the ground surface. Notably, Sample location number 6 had Benzene detections exceeding Industrial SCOs at 0 to 6-inches, 6-inches to 18-inches, and at 40-inches below

ground¹ surface (BGS). Sample location 2 exceeded Industrial SCOs and was characteristically hazardous for Benzene in the sample collected 6-inches to 18-inches BGS.

Arsenic was detected above Industrial SCOs in sample number 6 and 7 from 0 to 6-inches BGS. The detections have been included in the ChemBoxes on the provided Figure 1 for reference. The Arsenic detections of 39.1 mg/kg and 18.4 mg/kg are within the range typical of fill throughout the BCP site.

The proposed bioremediation work areas are shown on the provided Figure 2.

- Treatment Area 1: will target fill and soil up to 24-inches BGS and the total volume for Area 1 is approximately 100 cubic yards.
- Treatment Area 2: will target fill and soil up to 60-inches BGS and the total volume for Area 2 is approximately 120 cubic yards.
- The treatment depths were selected based on the visual, olfactory, and analytic evidence of potential impact within the secondary containment.

The following areas within the secondary containment are not being targeted for bioremediation:

- The eastern one third (approximately) of the former ST24 footprint had no detections above Commercial SCOs in the fill or clay.
- The area within the secondary containment south of the former ST24 footprint which includes sample locations 8, 10, 11, and 12 had some PAH detections above Commercial SCOs which were limited to the 0 to 6-inch sample intervals. These SVOC detections are consistent with the surface material and shallow fill across the site.

Scope of Work

The proposed scope of work to bioremediate the ST24 secondary containment soils is outlined below:

1. Job Safety Analysis (JSA) – Prepare a JSA addressing equipment access, soil preparation and mixing, excavation safety, proper handling of potential bacterial inoculants and/or nutrient mixes.
2. Implement the Community Air Monitoring Plan (CAMP) as it applies to earthmoving activities.
3. Amendment Procurement – The key variables for bioremediation of benzene are nitrogen, oxygen, and pH (Attachment A). Three vendors were provided with the draft work plan and were asked to provide a proposal for application of their product. PeroxyChem (dba Evonik) and Regenesis provided quotes. C.E.R.E.S. offered to travel to the BCP Site (at RITCs cost) and provide technical oversight but no quote for amendment addition. Based on the quotations (Table 2), inflation has driven the cost of in-situ bioremediation above the cost of offsite disposal. To determine if bioremediation can be cost effective, the pilot test will utilize three alternative approaches:
 - a. Amendment No. 1 – Evonik, Klozur KP (Attachment B)
 - b. Amendment No. 2 – High Nitrogen Fertilizer
 - c. Control Plot – Blending, aeration and moisture

Regenesis was not selected because the proposed addition rate is very low. It is anticipated that a much higher addition rate, approaching that of the Evonik products, would be required to

¹ For purposes of this work plan the ground surface is the surface within the secondary containment berm that existed at the time of sampling.

achieve an effective uniform distribution. Increasing the addition rate is believed to shift the operational and cost effectiveness to the Evonik amendment.

4. Pre-addition Testing Sedimentation Pool No. 1 – Sedimentation Pool No. 1 receives flow from the coal yard and the former south rail corridor. Within Sedimentation Pool No. 1 the water flows in and around a dense vegetation mass before entering a quiescent pool allowing settling of suspended solids. The water in the pool is representative of surface water on the BCP Site. Sedimentation Pool No. 1 will be tested for VOCs, SVOCs and pH (field test) before using the pool as a source for moisture modification of the test lots. Analytical results will be submitted as the data are received.
5. Pre-Bioremediation Soil Mixing – Delineate Treatment Areas One and Two. Using an excavator, thoroughly mix Treatment Area 1 to a depth of 24-inches BGS and Treatment Area 2 to a depth of 60-inches BGS. Mixing is intended to create a uniform soil matrix and aerate the soil/fill. The mixing will blend the sand and clay matrices and break up the clay matrix.
6. Test Plot Segregation – Each Treatment Area will be subdivided into three lots of approximately equal volume and equal area with the surface area in a rectangular shape. Treatment Area 1 will consist of subdivided lots of approximately 33 cubic yards (60 Tons) each. Treatment Area 2 will consist of subdivide lots of approximately 40 cubic yards (73 Tons) each. The subdivided lots will be segregated by creating roughly rectangular shaped piles. The piles will be separated by no less than 1-foot and therefor elevations of the piles will be slightly higher than the surrounding ground surface. Grade stakes will be installed and marked as needed to indicate the limits of each subdivide lot.
7. Pre-Bioremediation Sampling – Collect soil samples to define the pre-remediation concentrations in each test lot (six samples total). Grab samples will be collected between 6-inches to 12-inches below the mixed ground surface by using a decontaminated stainless steel hand auger. Sample analysis in advance of bioremediation shall include and is not limited to:
 - a. Field tests performed with a combined soil pH and moisture meter
 - i. Soil Moisture Content
 - ii. Soil pH
 - b. Laboratory Analysis (collected in each lot post soil mixing)
 - i. VOCs and SVOCs samples
 - ii. TCLP VOCs for Benzene
 - iii. Fraction Organic Carbon (FOC)
 - iv. Hydraulic Conductivity
 - v. Moisture Content (for calibration of field instrument)
 - vi. Soil Salinity/Conductivity
8. Product application – Apply and remix the selected remediation product to each subplot in Treatment Areas 1 and 2 in accordance with addition rates in Table 2.

During mixing, the water from Sedimentation Pool No. 1 will add sufficient moisture to blend the clay, sand, and amendments. A field test of the moisture content post blending will be taken from each subplot in Treatment Areas 1 and 2.

9. Monitoring and Confirmation Sampling – Soil samples will be collected at 3-months (or later if not during either July or August, 2023) and one year after initial mixing to quantify any reduction of VOCs and SVOCs. The samples will include moisture content (field test). If the moisture content

has dropped below 20 percent w/w, additional water from Sedimentation Pool No. 1 will be used to hydrate the treatment mass and all lots will be remixed.

Inspections and Post-Treatment Sampling

The Soil will be inspected during pre-remediation mixing to confirm thorough mixing of the soil material, amendments, and moisture.

Test Lots - Area 1:

- a. At 3-months (or later if not during either July or August 2023) after the initial soil mixing, samples will be collected and for VOCs and SVOCs from three locations in each test lot at 6-inches to 18-inches BGS for a total of nine samples in Area 1 to quantify any reduction in organic compounds. If the soil moisture is less than 20 percent in any test lot, all three test lots will be remixed, and water will be added to increase the moisture content to no less than 20 percent.
- b. After one year, there soil mixing samples will be collected in each test lot for a total of nine samples in Area 1 and analyzed for VOCs, SVOCs, and TCLP Benzene. The grab soil samples will be collected with a decontaminated stainless steel hand auger at intervals of 6-inches to 18-inches below the mixed ground surface.

Test Lots - Area 2:

- a. At 3-months (or later if not during either July or August, 2023) after the initial soil mixing, samples will be collected and for VOCs and SVOCs from three locations in each test lot at 18-inches to 30-inches BGS for a total of nine samples in Area 2 to quantify any reduction in organic compounds. If the soil moisture is less than 20 percent in any test lot, all three test lots will be remixed, and water will be added to increase the moisture content to no less than 20 percent.
- b. After one year, three soil mixing samples will be collected in each test lot for a total in nine samples in Area 2 and analyzed for VOCs, SVOCs, and TCLP Benzene. The grab soil samples will be collected with a decontaminated stainless steel hand augers at intervals of 18-inches to 30-inches below the mixed ground surface.

If the soil sample results from the one-year post soil mixing still exceed the characteristically hazardous TCLP concentrations for Benzene or show evidence of gross petroleum impacts, the recommended remedial action for the ST21 to ST24 secondary containment will be adapted to an alternative remedial technology. The goal of this IRM is to demonstrate Bioremediation is a suitable remediation solution to significantly reduce the gross petroleum impacts and lower the Benzene concentrations to below the characteristically hazardous criteria for Benzene.

Reporting

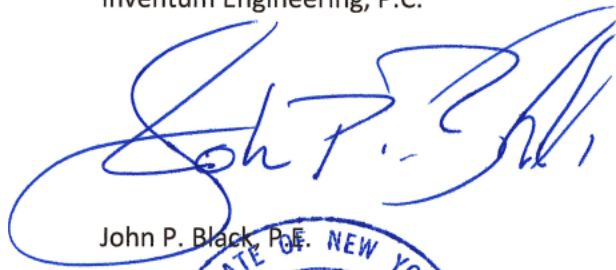
The 3-month and one year soil samples results will be summarized in a letter report and submitted to the NYSDEC within 2-weeks after the analytical results are available. The bioremediation of ST24 secondary containment soils will be documented in a Construction Completion Report (CCR) including a summary of the completed work and analytical sampling, and photographs.

Engineering Certification

I, John. P. Black certify that I am currently a NYS registered professional engineer as defined in 6 NYCRR Part 375 and that this ST24 Bioremediation Interim Remedial Measures Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

Respectfully Submitted,

Inventum Engineering, P.C.



Date:

3/28/2023

John P. Black, P.E.

License No:

062818-1

Seal:



It is a violation of the laws of New York, for any person, unless acting under the direction of a Licensed Professional Engineer, to alter any item or any portion of this document in any way. If an item bearing the seal of a Licensed Professional Engineer is altered, the altering Engineer shall affix to the item his/her seal and notation "altered by" followed by his/her signature and the date of such alternation, and a specific description of the alteration.

Tables



Table 1
 Fill and Clay Sampling Data
 Storage Tank ST24 Location
 Riverview Innovation Technology Campus, Inc.
 Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	TP-ST24-06-01-06162022		TP-ST24-618-01-06162022		TP-ST24-06-02-06162022		TP-ST24-618-02-06162022		TP-ST24-06-03-06162022	
	Commercial	Industrial											
	Sample Date:			6/16/2022		6/16/2022		6/16/2022		6/16/2022		6/16/2022	
	Sample Interval:			0 - 6"		6" - 18"		0 - 6"		6" - 18"		0 - 6"	
	Formation/Location:			No. 1 Sand		No. 1 Clay		No. 2 Sand		No. 2 Clay		No. 3 Sand	
TCL VOCs (SW8260C)													
1,1,1-Trichloroethane (TCA)	500,000	1,000,000	ug/kg	<0.22	U	<11.0	U	<17.0	U	<110	U	<0.16	U
1,1,2,2-Tetrachloroethane			ug/kg	<0.21	U	<11.0	U	<17.0	U	<110	U	<0.16	U
1,1,2-Trichloroethane			ug/kg	<0.34	U	<18.0	U	<27.0	U	<170	U	<0.26	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)			ug/kg	<0.90	U	<46.0	U	<70.0	U	<450	U	<0.68	U
1,1-Dichloroethane	240,000	480,000	ug/kg	<0.19	U	<9.7	U	<15.0	U	<94.0	U	<0.14	U
1,1-Dichloroethene	500,000	1,000,000	ug/kg	<0.31	U	<16.0	U	<24.0	U	<160	U	<0.24	U
1,2,3-Trichlorobenzene			ug/kg	<0.42	U	<22.0	U	<33.0	U	<210	U	<0.32	U
1,2,4-Trichlorobenzene			ug/kg	<0.35	U	<18.0	U	<28.0	U	<180	U	<0.27	U
1,2-Dibromo-3-Chloropropane			ug/kg	<1.3	U	<67.0	U	<100	U	<650	U	<0.99	U
1,2-Dibromoethane (Ethylene Dibromide)			ug/kg	<0.36	U	<19.0	U	<28.0	U	<180	U	<0.28	U
1,2-Dichlorobenzene	500,000	1,000,000	ug/kg	<0.19	U	<9.6	U	<15.0	U	<94.0	U	<0.14	U
1,2-Dichloroethane	30,000	60,000	ug/kg	<0.33	U	<17.0	U	<26.0	U	<170	U	<0.25	U
1,2-Dichloropropane			ug/kg	<0.16	U	<8.4	U	<13.0	U	<82.0	U	<0.12	U
1,3-Dichlorobenzene	280,000	560,000	ug/kg	<0.19	U	<9.9	U	<15.0	U	<96.0	U	<0.15	U
1,4-Dichlorobenzene	130,000	250,000	ug/kg	<0.22	U	<11.0	U	<17.0	U	<110	U	<0.17	U
1,4-Dioxane (P-Dioxane)	130,000	250,000	ug/kg	<45.0	U	<2300	U	<3600	U	<23000	U	<35.0	U
Methyl Ethyl Ketone (2-Butanone)	500,000	1,000,000	ug/kg	<2.9	U	<150	U	<220	U	<1400	U	<2.2	U
2-Hexanone			ug/kg	<1.5	U	<79.0	U	<120	U	<770	U	<1.2	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)			ug/kg	<1.6	U	<86.0	U	<130	U	<830	U	<1.3	U
Acetone	500,000	1,000,000	ug/kg	27		<320	U	<490	U	<3100	U	16	
Benzene	44,000	89,000	ug/kg	17		31000		41000		320000		3.6	
Bromochloromethane			ug/kg	<0.26	U	<14.0	U	<21.0	U	<130	U	<0.20	U
Bromodichloromethane			ug/kg	<0.14	U	<7.3	U	<11.0	U	<71.0	U	<0.11	U
Bromoform			ug/kg	<0.32	U	<16.0	U	<25.0	U	<160	U	<0.24	U
Bromomethane			ug/kg	<0.75	U	<39.0	U	<59.0	U	<380	U	<0.57	U
Carbon Disulfide			ug/kg	<5.9	U	<300	U	<460	U	<3000	U	<4.5	U
Carbon Tetrachloride	22,000	44,000	ug/kg	<0.30	U	<15.0	U	<23.0	U	<150	U	<0.23	U
Chlorobenzene	500,000	1,000,000	ug/kg	<0.16	U	<8.5	U	<13.0	U	<83.0	U	<0.12	U
Chloroethane			ug/kg	<0.58	U	<30.0	U	<46.0	U	<290	U	<0.45	U
Chloroform	350,000	700,000	ug/kg	<0.18	U	<9.4	U	<14.0	U	<91.0	U	<0.14	U
Chloromethane			ug/kg	<1.2	U	<62.0	U	<95.0	U	<610	U	<0.92	U
Cyclohexane			ug/kg	3.0	J	670		<55.0	U	<1400	J	2.7	J
Dibromochloromethane			ug/kg	<0.18	U	<9.4	U	<14.0	U	<91.0	U	<0.14	U
Dichlorodifluoromethane			ug/kg	<1.2	U	<61.0	U	<93.0	U	<600	U	<0.90	U
Methylene Chloride	500,000	1,000,000	ug/kg	<3.0	U	<150	U	<230.0	U	<1500	U	<2.3	U
Ethylbenzene	390,000	780,000	ug/kg	<0.18	U	25000		2400		22000		44	



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	Commercial	Industrial											
	Sample Date:			6/16/2022		6/16/2022		6/16/2022		6/16/2022		6/16/2022	
	Sample Interval:			0 - 6"		6" - 18"		0 - 6"		6" - 18"		0 - 6"	
	Formation/Location:			No. 1 Sand		No. 1 Clay		No. 2 Sand		No. 2 Clay		No. 3 Sand	
Isopropylbenzene (Cumene)			ug/kg	<0.14	U	280		22	J	260	J	1.2	
Methyl Acetate			ug/kg	<1.2	U	<64.0	U	940		<620	U	<0.94	U
Methyl Tert-Butyl Ether	500,000	1,000,000	ug/kg	<0.26	U	<13.0	U	<20.0	U	<130	U	<0.20	U
Methylcyclohexane			ug/kg	6.4		1100		<61.0	U	1700	J	8.1	
Styrene			ug/kg	1.3		3100		360		4400		<0.19	U
Tetrachloroethene	150,000	300,000	ug/kg	1.5		740		<20.0	U	330		<0.19	U
Toluene	500,000	1,000,000	ug/kg	2.3		12000		1500		74000		1.1	
Trichloroethene	200,000	400,000	ug/kg	<0.18	U	<9.2	U	68		<89.0	U	<0.14	U
Trichlorofluoromethane			ug/kg	<0.90	U	<46.0	U	<71.0	U	<450	U	<0.69	U
Vinyl Chloride	13,000	27,000	ug/kg	<0.43	U	<22.0	U	<34.0	U	<220	U	<0.33	U
Cis-1,2-Dichloroethylene	500,000	1,000,000	ug/kg	<0.23	U	<12.0	U	<18.0	U	<110	U	<0.17	U
Cis-1,3-Dichloropropene			ug/kg	<0.20	U	<10.0	U	<16.0	U	<100	U	<0.16	U
m,p-Xylene	500,000	1,000,000	ug/kg	2.3	J	51000		1500		52000		3.7	
O-Xylene (1,2-Dimethylbenzene)	500,000	1,000,000	ug/kg	1.9		8400		610		9300		3.3	
Trans-1,2-Dichloroethene	500,000	1,000,000	ug/kg	<0.18	U	<9.2	U	<14.0	U	<89.0	U	<0.14	U
Trans-1,3-Dichloropropene			ug/kg	<0.35	U	<18.0	U	<28.0	U	<180	U	<0.27	U
TCL SVOCs (SW8270D)													
Acenaphthene	500,000	1,000,000	ug/kg	220		<22.0	U	33	J	<21.0	U	<19.0	U
Hexachlorobenzene	6,000	12,000	ug/kg	<27.0	U	<24.0	U	<27.0	U	<23.0	U	<21.0	U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)			ug/kg	<33.0	U	<29.0	U	<33.0	U	<27.0	U	<25.0	U
2-Chloronaphthalene			ug/kg	<24.0	U	<21.0	U	<24.0	U	<20.0	U	<18.0	U
3,3'-Dichlorobenzidine			ug/kg	<64.0	U	<58.0	U	<65.0	U	<54.0	U	<49.0	U
2,4-Dinitrotoluene			ug/kg	<48.0	U	<43.0	U	<48.0	U	<40.0	U	<37.0	U
2,6-Dinitrotoluene			ug/kg	<41.0	U	<37.0	U	<42.0	U	<35.0	U	<32.0	U
Fluoranthene	500,000	1,000,000	ug/kg	<28.0	U	35	J	680		<23.0	U	<21.0	U
4-Chlorophenyl Phenyl Ether			ug/kg	<26.0	U	<23.0	U	<26.0	U	<22.0	U	<20.0	U
4-Bromophenyl Phenyl Ether			ug/kg	<37.0	U	<33.0	U	<37.0	U	<31.0	U	<28.0	U
Bis(2-Chloroisopropyl) Ether			ug/kg	<41.0	U	<37.0	U	<42.0	U	<34.0	U	<31.0	U
Bis(2-Chloroethoxy) Methane			ug/kg	<24.0	U	<22.0	U	<24.0	U	<20.0	U	<18.0	U
Hexachlorobutadiene			ug/kg	<35.0	U	<32.0	U	<36.0	U	<30.0	U	<27.0	U
Hexachlorocyclopentadiene			ug/kg	<220	U	<200	U	<220	U	<180	U	<170	U
Hexachloroethane			ug/kg	<39.0	U	<35.0	U	<39.0	U	<33.0	U	<30.0	U
Isophorone			ug/kg	<31.0	U	<28.0	U	<32.0	U	<26.0	U	<24.0	U
Naphthalene	500,000	1,000,000	ug/kg	110	J	100	J	550		940		<22.0	U
Nitrobenzene			ug/kg	<36.0	U	<32.0	U	<36.0	U	<30.0	U	<27.0	U
N-Nitrosodiphenylamine			ug/kg	<27.0	U	<25.0	U	<28.0	U	<23.0	U	<21.0	U



Table 1
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Analytes	Part 375 SCOs		Units	TP-ST24-06-01-06162022		TP-ST24-618-01-06162022		TP-ST24-06-02-06162022		TP-ST24-618-02-06162022		TP-ST24-06-03-06162022	
	Commercial	Industrial											
	Sample Date:			6/16/2022		6/16/2022		6/16/2022		6/16/2022		6/16/2022	
	Sample Interval:			0 - 6"		6" - 18"		0 - 6"		6" - 18"		0 - 6"	
	Formation/Location:			No. 1 Sand		No. 1 Clay		No. 2 Sand		No. 2 Clay		No. 3 Sand	
N-Nitrosodi-N-Propylamine			ug/kg	<37.0	U	<33.0	U	<38.0	U	<31.0	U	<28.0	U
Bis(2-Ethylhexyl) Phthalate			ug/kg	<84.0	U	<75.0	U	120	J	<70.0	U	<64.0	U
Benzyl Butyl Phthalate			ug/kg	<61.0	U	<54.0	U	<61.0	U	<51.0	U	<46.0	U
Di-N-Butyl Phthalate			ug/kg	<46.0	U	<41.0	U	150	J	<38.0	U	<35.0	U
Di-N-Octylphthalate			ug/kg	<82.0	U	<74.0	U	<83.0	U	<69.0	U	<62.0	U
Diethyl Phthalate			ug/kg	<22.0	U	<20.0	U	<22.0	U	<19.0	U	<17.0	U
Dimethyl Phthalate			ug/kg	<51.0	U	<45.0	U	<51.0	U	<42.0	U	<39.0	U
Benzo(A)Anthracene	5,600	11,000	ug/kg	<27.0	U	<24.0	U	280		<23.0	U	<21.0	U
Benzo(A)Pyrene	1,000	1,100	ug/kg	<59.0	U	<53.0	U	350		<49.0	U	<45.0	U
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	1500		<36.0	U	610		<34.0	U	<31.0	U
Benzo(K)Fluoranthene	56,000	110,000	ug/kg	520		<35.0	U	150		<32.0	U	<29.0	U
Chrysene	56,000	110,000	ug/kg	950		22	J	460		<21.0	U	<19.0	U
Acenaphthylene	500,000	1,000,000	ug/kg	46	J	<33.0	U	95	J	<31.0	U	<28.0	U
Anthracene	500,000	1,000,000	ug/kg	120	J	<42.0	U	<47.0	U	<39.0	U	<36.0	U
Benzo(G,H,I)Perylene	500,000	1,000,000	ug/kg	1000		<25.0	U	260		<24.0	U	<22.0	U
Fluorene	500,000	1,000,000	ug/kg	63	J	<21.0	U	62	J	<20.0	U	<18.0	U
Phenanthrene	500,000	1,000,000	ug/kg	660		<26.0	U	580		<24.0	U	<22.0	U
Dibenz(A,H)Anthracene	560	1,100	ug/kg	180		<25.0	U	57	J	<23.0	U	<21.0	U
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	1100		<30.0	U	290		<28.0	U	<26.0	U
Pyrene	500,000	1,000,000	ug/kg	1300		33	J	530		<20.0	U	<18.0	U
Biphenyl			ug/kg	<31.0	U	<28.0	U	120	J	<26.0	U	<24.0	U
4-Chloroaniline			ug/kg	<44.0	U	<39.0	U	<44.0	U	<37.0	U	<34.0	U
2-Nitroaniline			ug/kg	<46.0	U	<42.0	U	<47.0	U	<39.0	U	<35.0	U
3-Nitroaniline			ug/kg	<46.0	U	<41.0	U	<46.0	U	<38.0	U	<35.0	U
4-Nitroaniline			ug/kg	<100	U	<90.0	U	<100	U	<84.0	U	<76.0	U
Dibenzofuran	350,000	1,000,000	ug/kg	42	J	<20.0	U	120	J	<19.0	U	<17.0	U
2-Methylnaphthalene			ug/kg	67	J	<26.0	U	380		48	J	<22.0	U
1,2,4,5-Tetrachlorobenzene			ug/kg	<25.0	U	<22.0	U	<25.0	U	<21.0	U	<19.0	U
Acetophenone			ug/kg	<30.0	U	60	J	680		<25.0	U	<23.0	U
2,4,6-Trichlorophenol			ug/kg	<46.0	U	<41.0	U	<46.0	U	<38.0	U	<35.0	U
4-Chloro-3-Methylphenol (p-Chloro-m-cresol)			ug/kg	<36.0	U	<32.0	U	<36.0	U	<30.0	U	<27.0	U
2-Chlorophenol			ug/kg	<28.0	U	<26.0	U	<29.0	U	<24.0	U	<22.0	U
2,4-Dichlorophenol			ug/kg	<39.0	U	<35.0	U	<39.0	U	<32.0	U	<30.0	U
2,4-Dimethylphenol			ug/kg	<80.0	U	<71.0	U	<80.0	U	<67.0	U	<61.0	U
2-Nitrophenol			ug/kg	<91.0	U	<81.0	U	<91.0	U	<76.0	U	<69.0	U
4-Nitrophenol			ug/kg	<98.0	U	<88.0	U	<99.0	U	<82.0	U	<75.0	U
2,4-Dinitrophenol			ug/kg	<110	U	<100	U	<110	U	<94.0	U	<86.0	U



Table 1
 Fill and Clay Sampling Data
 Storage Tank ST24 Location
 Riverview Innovation Technology Campus, Inc.
 Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	TP-ST24-06-01-06162022		TP-ST24-618-01-06162022		TP-ST24-06-02-06162022		TP-ST24-618-02-06162022		TP-ST24-06-03-06162022	
	Commercial	Industrial											
	Sample Date:			6/16/2022		6/16/2022		6/16/2022		6/16/2022		6/16/2022	
	Sample Interval:			0 - 6"		6" - 18"		0 - 6"		6" - 18"		0 - 6"	
	Formation/Location:			No. 1 Sand		No. 1 Clay		No. 2 Sand		No. 2 Clay		No. 3 Sand	
4,6-Dinitro-o-cresol			ug/kg	<120	U	<100	U	<120	U	<97.0	U	<88.0	U
Pentachlorophenol	6,700	55,000	ug/kg	<53.0	U	<48.0	U	<53.0	U	<44.0	U	<40.0	U
Phenol	500,000	1,000,000	ug/kg	<36.0	U	440		<37.0	U	510		<28.0	U
2-Methylphenol (O-Cresol)	500,000	1,000,000	ug/kg	<37.0	U	66	J	69	J	160	J	<28.0	U
3-Methylphenol/4-Methylphenol (Cresols, M & P)	500,000	1,000,000	ug/kg	<38.0	U	64	J	78	J	190	J	<29.0	U
2,4,5-Trichlorophenol			ug/kg	<46.0	U	<41.0	U	<46.0	U	<39.0	U	<35.0	U
Carbazole			ug/kg	120	J	<21.0	U	47	J	<20.0	U	<18.0	U
Atrazine			ug/kg	<84.0	U	<76.0	U	<85.0	U	<71.0	U	<64.0	U
Benzaldehyde			ug/kg	<65.0	U	<58.0	U	2400		<55.0	U	<50.0	U
Caprolactam			ug/kg	<73.0	U	<66.0	U	<74.0	U	<61.0	U	<56.0	U
2,3,4,6-Tetrachlorophenol			ug/kg	<49.0	U	<44.0	U	<49.0	U	<41.0	U	<37.0	U
TAL Metals (SW6010)													
Aluminum			mg/kg	10100		9100		2050		6220		2900	
Antimony			mg/kg	<0.442	U	<0.387	U	<0.432	U	<0.368	U	<0.341	U
Arsenic	16	16	mg/kg	6.85		4.01		8.44		4.79		2.14	
Barium	400	10,000	mg/kg	58.4		64.6		27.1		20.8		13.8	
Beryllium	590	2,700	mg/kg	0.976		0.753		0.114	J	0.320	J	0.144	J
Cadmium	9.3	60	mg/kg	1.82		0.896	J	2.86		0.562	J	1.03	
Calcium			mg/kg	12300		10400		61400		32100		33100	
Chromium, Total			mg/kg	17.7		10.7		20.9		14.1		3.75	
Cobalt			mg/kg	6.31		6.10		3.07		5.5		2.45	
Copper	270	10,000	mg/kg	32.5		13.2		46.8		67.7		7.77	
Iron			mg/kg	39000		20400		87200		13300		24300	
Lead	1,000	3,900	mg/kg	319		17.1		612		25.8		5.77	
Magnesium			mg/kg	4870		5390		506		1520		17700	
Manganese	10,000	10,000	mg/kg	273		218		386		51.6		574	
Nickel	310	10,000	mg/kg	20.6		16.2		8.87		14.4		4.51	
Potassium			mg/kg	558		563		1240		960		490	
Selenium	1,500	6,800	mg/kg	0.314	J	<0.262	U	0.738	J	0.436		<0.232	U
Silver	1,500	6,800	mg/kg	<0.329	U	<0.288	U	<0.321	U	<0.274	U	<0.254	U
Sodium			mg/kg	41.2	J	54.7	J	209	J	105	J	76.2	J
Thallium			mg/kg	<0.366	U	<0.320	U	<0.358	U	<0.305	U	0.283	
Vanadium			mg/kg	17.0		17.5		12.0		14.3		8.38	
Zinc	10,000	10,000	mg/kg	56.9		51.1		14.3		24.3		58.1	



Table 1
 Fill and Clay Sampling Data
 Storage Tank ST24 Location
 Riverview Innovation Technology Campus, Inc.
 Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	TP-ST24-06-01-06162022	TP-ST24-618-01-06162022	TP-ST24-06-02-06162022	TP-ST24-618-02-06162022	TP-ST24-06-03-06162022					
	Commercial	Industrial											
	Sample Date:			6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022					
	Sample Interval:			0 - 6"	6" - 18"	0 - 6"	6" - 18"	0 - 6"					
	Formation/Location:			No. 1 Sand	No. 1 Clay	No. 2 Sand	No. 2 Clay	No. 3 Sand					
Mercury (SW7471)													
Mercury	2.8	5.7	mg/kg	0.153		0.122		0.099	J	0.084		0.067	J
Cyanide (SW9012B)													
Cyanide	27	10,000	mg/kg	0.37	J	<0.26	U	<0.31	U	<0.25	U	<0.22	U
PCBs (8082A)													
PCB-1016 (Aroclor 1016)	1000	25000	ug/kg	<4.30	U	<3.84	U	<4.26	U	<3.46	U	<3.20	U
PCB-1221 (Aroclor 1221)	1000	25000	ug/kg	<4.85	U	<4.33	U	<4.80	U	<3.91	U	<3.61	U
PCB-1232 (Aroclor 1232)	1000	25000	ug/kg	<10.3	U	<9.16	U	<10.2	U	<8.27	U	<7.64	U
PCB-1242 (Aroclor 1242)	1000	25000	ug/kg	<6.53	U	<5.82	U	<6.46	U	<5.26	U	<4.86	U
PCB-1248 (Aroclor 1248)	1000	25000	ug/kg	<7.26	U	<6.48	U	<7.19	U	<5.85	U	<5.40	U
PCB-1254 (Aroclor 1254)	1000	25000	ug/kg	<5.30	U	<4.73	U	<5.24	U	<4.27	U	<3.94	U
PCB-1260 (Aroclor 1260)	1000	25000	ug/kg	57.3		<7.98	U	<8.86	U	<7.21	U	<6.66	U
PCB-1262 (Aroclor 1262)	1000	25000	ug/kg	<6.15	U	<5.49	U	<6.09	U	<4.96	U	<4.58	U
PCB-1268 (Aroclor 1268)	1000	25000	ug/kg	<5.02	U	<4.48	U	<4.96	U	<4.04	U	<3.73	U
Ammonia													
Nitrogen, Ammonia	-	-	mg/kg	28		27		27		43		11	
TCLP Analytes		EPA Maximum Concentration of Contaminants by TCLP											
TCLP Semi-Volatile Organics													
2-Methylphenol (o-Cresol)	7500		ug/l	NS		NS		<5.5	U	10	J	NS	
2,4,5-Trichlorophenol	400000		ug/l	NS		NS		<1.9	U	<1.9		NS	
2,4,6-Trichlorophenol	2000		ug/l	NS		NS		<2.5	U	<2.5		NS	
2,4-Dinitrotoluene	130		ug/l	NS		NS		<1.9	U	<1.9		NS	
3-Methylphenol/4-Methylphenol (Cresols m&p)	20000		ug/l	NS		NS		<2.8	U	12	J	NS	
Hexachlorobenzene	130		ug/l	NS		NS		<3.4	U	<3.4	U	NS	
Hexachlorobutadiene	500		ug/l	NS		NS		<3.0	U	<3.0	U	NS	
Hexachloroethane	3000		ug/l	NS		NS		<2.2	U	<2.2	U	NS	
Nitrobenzene	2000		ug/l	NS		NS		<3.3	U	<3.3	U	NS	
Pentachlorophenol	100000		ug/l	NS		NS		<9.8	U	<9.8	U	NS	
Pyridine	5000		ug/l	NS		NS		<4.5	U	<4.5	U	NS	
TCLP Volatile Organics													
1,1-Dichloroethene	500		ug/l	NS		NS		<1.7	U	<1.7		NS	



Table 1
 Fill and Clay Sampling Data
 Storage Tank ST24 Location
 Riverview Innovation Technology Campus, Inc.
 Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	TP-ST24-06-01-06162022	TP-ST24-618-01-06162022	TP-ST24-06-02-06162022	TP-ST24-618-02-06162022	TP-ST24-06-03-06162022	
	Commercial	Industrial		Sample Date: 6/16/2022					
	Sample Interval: 0 - 6"			6" - 18"		0 - 6"		6" - 18"	
	Formation/Location: No. 1 Sand			No. 1 Clay		No. 2 Sand		No. 2 Clay	
				No. 3 Sand					
1,2-Dichloroethane	100000		ug/l	NS	NS	<1.3	U	<1.3	NS
2-Butanone	700		ug/l	NS	NS	<19.0	U	<19.0	NS
Benzene	500		ug/l	NS	NS	130		4100	NS
Carbon Tetrachloride	6000		ug/l	NS	NS	<1.3	U	<1.3	NS
Chlorobenzene	500		ug/l	NS	NS	<1.8	U	<1.8	NS
Chloroform	200		ug/l	NS	NS	<2.2	U	<2.2	NS
Tetrachloroethene	700		ug/l	NS	NS	<1.8	U	3.6	J
Trichloroethene	200000		ug/l	NS	NS	<1.8	U	<1.8	NS
Vinyl chloride	500		ug/l	NS	NS	<0.71	U	<0.71	NS
Total Solids									
Total Solids	-	-	%	68	75.3	66.7		81.0	87.7



Table 1
 Fill and Clay Sampling Data
 Storage Tank ST24 Location
 Riverview Innovation Technology Campus, Inc.
 Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	TP-ST24-618-03-06162022	TP-ST24-06-04-06162022	TP-ST24-618-04-06162022	TP-ST24-06-05-06162022	TP-ST24-618-05-06162022					
	Commercial	Industrial		Sample Date:	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022				
	Sample Interval:			6" - 18"	0 - 6"	6" - 18"	0 - 6"	6" - 18"					
	Formation/Location:			No. 3 Clay	No. 4 Sand	No. 4 Clay	No. 5 Sand	No. 5 Clay					
	TCL VOCs (SW8260C)												
1,1,1-Trichloroethane (TCA)	500,000	1,000,000	ug/kg	<0.14	U	<0.25	U	<11.0	U	<0.18	U	<44.0	U
1,1,2,2-Tetrachloroethane			ug/kg	<0.14	U	<0.25	U	<11.0	U	<0.18	U	<44.0	U
1,1,2-Trichloroethane			ug/kg	<0.23	U	<0.40	U	<17.0	U	<0.28	U	<71.0	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)			ug/kg	<0.60	U	<1.0	U	<44.0	U	<0.74	U	<180	U
1,1-Dichloroethane	240,000	480,000	ug/kg	<0.13	U	<0.22	U	<9.3	U	<0.16	U	<38.0	U
1,1-Dichloroethene	500,000	1,000,000	ug/kg	<0.21	U	<0.36	U	<15.0	U	<0.25	U	<63.0	U
1,2,3-Trichlorobenzene			ug/kg	<0.28	U	<0.48	U	<21.0	U	<0.34	U	<86.0	U
1,2,4-Trichlorobenzene			ug/kg	<0.24	U	<0.41	U	<17.0	U	<0.29	U	<72.0	U
1,2-Dibromo-3-Chloropropane			ug/kg	<0.87	U	<1.5	U	<64.0	U	<1.1	U	<260	U
1,2-Dibromoethane (Ethylene Dibromide)			ug/kg	<0.24	U	<0.42	U	<18.0	U	<0.30	U	<74.0	U
1,2-Dichlorobenzene	500,000	1,000,000	ug/kg	<0.12	U	<0.22	U	<9.2	U	<0.15	U	<38.0	U
1,2-Dichloroethane	30,000	60,000	ug/kg	<0.22	U	<0.39	U	<16.0	U	<0.27	U	<68.0	U
1,2-Dichloropropane			ug/kg	<0.11	U	<0.19	U	<8.0	U	<0.13	U	<33.0	U
1,3-Dichlorobenzene	280,000	560,000	ug/kg	<0.13	U	<0.22	U	<9.5	U	<0.16	U	<39.0	U
1,4-Dichlorobenzene	130,000	250,000	ug/kg	<0.15	U	<0.26	U	<11.0	U	<0.18	U	<46.0	U
1,4-Dioxane (P-Dioxane)	130,000	250,000	ug/kg	<30.0	U	<53.0	U	<2200	U	<38.0	U	<9300	U
Methyl Ethyl Ketone (2-Butanone)	500,000	1,000,000	ug/kg	7.2	J	6.4	J	<140	U	15		<590	U
2-Hexanone			ug/kg	<1.0	U	<1.8	U	<76.0	U	<1.3	U	<310	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)			ug/kg	<1.1	U	<1.9	U	<82.0	U	<1.4	U	<340	U
Acetone	500,000	1,000,000	ug/kg	48		76		<310	U	74		<1300	U
Benzene	44,000	89,000	ug/kg	170		3.7		420		58		130000	
Bromochloromethane			ug/kg	<0.18	U	<0.31	U	<13.0	U	<0.22	U	<54.0	U
Bromodichloromethane			ug/kg	<0.10	U	<0.16	U	<7.0	U	<0.12	U	<29.0	U
Bromoform			ug/kg	<0.21	U	<0.37	U	<16.0	U	<0.26	U	<65.0	U
Bromomethane			ug/kg	<0.51	U	<0.88	U	<37.0	U	<0.62	U	<150	U
Carbon Disulfide			ug/kg	<4.0	U	<6.8	U	<290	U	<4.9	U	<1200	U
Carbon Tetrachloride	22,000	44,000	ug/kg	<0.20	U	<0.35	U	<15.0	U	<0.25	U	<61.0	U
Chlorobenzene	500,000	1,000,000	ug/kg	<0.11	U	<0.19	U	<8.2	U	<0.14	U	<34.0	U
Chloroethane			ug/kg	<0.39	U	<0.68	U	<29.0	U	<0.48	U	<120	U
Chloroform	350,000	700,000	ug/kg	<0.12	U	<0.21	U	<9.0	U	<0.15	U	<37.0	U
Chloromethane			ug/kg	<0.81	U	<1.4	U	<60.0	U	<1.0	U	<250	U
Cyclohexane			ug/kg	10		<0.82	U	92	J	6.1	J	660	J
Dibromochloromethane			ug/kg	<0.12	U	<0.21	U	<9.0	U	<0.15	U	<37.0	U
Dichlorodifluoromethane			ug/kg	<0.80	U	<1.4	U	<59.0	U	<0.98	U	<240	U
Methylene Chloride	500,000	1,000,000	ug/kg	<2.0	U	<3.4	U	<150	U	<2.4	U	<610	U
Ethylbenzene	390,000	780,000	ug/kg	58		3.0		2100		160		5000	



Table 1
 Fill and Clay Sampling Data
 Storage Tank ST24 Location
 Riverview Innovation Technology Campus, Inc.
 Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	TP-ST24-618-03-06162022	TP-ST24-06-04-06162022	TP-ST24-618-04-06162022	TP-ST24-06-05-06162022	TP-ST24-618-05-06162022					
	Commercial	Industrial		Sample Date: 6/16/2022									
	Sample Interval: 6" - 18"			6" - 18"		0 - 6"		6" - 18"					
	Formation/Location:			No. 3 Clay		No. 4 Sand		No. 4 Clay		No. 5 Sand		No. 5 Clay	
	Isopropylbenzene (Cumene)			ug/kg	0.45	J	0.79	J	33	J	1.4		31
Methyl Acetate			ug/kg	<0.83	U	<1.4	U	<61.0	U	<1.0	U	<250	U
Methyl Tert-Butyl Ether	500,000	1,000,000	ug/kg	<0.18	U	<0.30	U	<13.0	U	<0.22	U	<53.0	U
Methylcyclohexane			ug/kg	12		1.9	J	190	J	9.9		550	J
Styrene			ug/kg	0.73	J	<0.30	U	<13.0	U	<0.21	U	2400	
Tetrachloroethene	150,000	300,000	ug/kg	<0.17	U	<0.30	U	<13.0	U	<0.21	U	89	J
Toluene	500,000	1,000,000	ug/kg	6.8		<0.82	U	<35.0	U	4.3		32000	
Trichloroethene	200,000	400,000	ug/kg	<0.12	U	<0.21	U	<8.8	U	<0.15	U	<36.0	U
Trichlorofluoromethane			ug/kg	<0.60	U	<1.0	U	<45.0	U	<0.74	U	<180	U
Vinyl Chloride	13,000	27,000	ug/kg	<0.29	U	<0.50	U	<22.0	U	<0.36	U	<89.0	U
Cis-1,2-Dichloroethylene	500,000	1,000,000	ug/kg	<0.15	U	<0.26	U	<11.0	U	<0.19	U	<46.0	U
Cis-1,3-Dichloropropene			ug/kg	<0.14	U	<0.24	U	<10.0	U	<0.17	U	<42.0	U
m,p-Xylene	500,000	1,000,000	ug/kg	12		1.2	J	220		5.2		9800	
O-Xylene (1,2-Dimethylbenzene)	500,000	1,000,000	ug/kg	2.2		<0.44	U	31	J	3.4		2300	
Trans-1,2-Dichloroethene	500,000	1,000,000	ug/kg	<0.12	U	<0.21	U	<8.8	U	<0.15	U	<36.0	U
Trans-1,3-Dichloropropene			ug/kg	<0.24	U	<0.41	U	<18.0	U	<0.29	U	<73.0	U
TCL SVOCs (SW8270D)													
Acenaphthene	500,000	1,000,000	ug/kg	<21.0	U	<20.0	U	<21.0	U	<27	U	<20.0	U
Hexachlorobenzene	6,000	12,000	ug/kg	<23.0	U	<22.0	U	<23.0	U	<29.0	U	<22.0	U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)			ug/kg	<28.0	U	<27.0	U	<28.0	U	<35.0	U	<26.0	U
2-Chloronaphthalene			ug/kg	<20.0	U	<20.0	U	<20.0	U	<26.0	U	<19.0	U
3,3'-Dichlorobenzidine			ug/kg	<54.0	U	<52.0	U	<55.0	U	<69.0	U	<52.0	U
2,4-Dinitrotoluene			ug/kg	<41.0	U	<39.0	U	<41.0	U	<52.0	U	<39.0	U
2,6-Dinitrotoluene			ug/kg	<35.0	U	<34.0	U	<35.0	U	<45	U	<33.0	U
Fluoranthene	500,000	1,000,000	ug/kg	<23.0	U	<22.0	U	<24.0	U	170		<20.0	U
4-Chlorophenyl Phenyl Ether			ug/kg	<22.0	U	<21.0	U	<22.0	U	<28.0	U	<21.0	U
4-Bromophenyl Phenyl Ether			ug/kg	<31.0	U	<30.0	U	<31.0	U	<40.0	U	<30.0	U
Bis(2-Chloroisopropyl) Ether			ug/kg	<35.0	U	<34.0	U	<35.0	U	<44.0	U	<33.0	U
Bis(2-Chloroethoxy) Methane			ug/kg	<20.0	U	<20.0	U	<21.0	U	<26.0	U	<20.0	U
Hexachlorobutadiene			ug/kg	<30.0	U	<29.0	U	<30.0	U	<38.0	U	<28.0	U
Hexachlorocyclopentadiene			ug/kg	<180.0	U	<180	U	<190	U	<240	U	<180	U
Hexachloroethane			ug/kg	<33.0	U	<32.0	U	<33.0	U	<42.0	U	<32.0	U
Isophorone			ug/kg	<26.0	U	<26.0	U	<27.0	U	<34.0	U	<25.0	U
Naphthalene	500,000	1,000,000	ug/kg	<25.0	U	<24.0	U	<25.0	U	45	J	26	J
Nitrobenzene			ug/kg	<30.0	U	<29.0	U	<30.0	U	<38.0	U	<29.0	U
N-Nitrosodiphenylamine			ug/kg	<23.0	U	<22.0	U	<23.0	U	<30.0	U	<22.0	U



Table 1
 Fill and Clay Sampling Data
 Storage Tank ST24 Location
 Riverview Innovation Technology Campus, Inc.
 Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	TP-ST24-618-03-06162022		TP-ST24-06-04-06162022		TP-ST24-618-04-06162022		TP-ST24-06-05-06162022		TP-ST24-618-05-06162022	
	Commercial	Industrial											
	Sample Date:			6/16/2022		6/16/2022		6/16/2022		6/16/2022		6/16/2022	
	Sample Interval:			6" - 18"		0 - 6"		6" - 18"		0 - 6"		6" - 18"	
	Formation/Location:			No. 3 Clay		No. 4 Sand		No. 4 Clay		No. 5 Sand		No. 5 Clay	
N-Nitrosodi-N-Propylamine			ug/kg	<31.0	U	<30.0	U	<32.0	U	<40.0	U	<30.0	U
Bis(2-Ethylhexyl) Phthalate			ug/kg	<70.0	U	<68.0	U	<71.0	U	110	J	<67.0	U
Benzyl Butyl Phthalate			ug/kg	<51.0	U	<50.0	U	<52.0	U	100	J	<49.0	U
Di-N-Butyl Phthalate			ug/kg	<38.0	U	<37.0	U	<39.0	U	<49.0	U	<37.0	U
Di-N-Octylphthalate			ug/kg	<69.0	U	<67.0	U	<70.0	U	<88.0	U	<66.0	U
Diethyl Phthalate			ug/kg	<19.0	U	<18.0	U	<19.0	U	<24.0	U	<18.0	U
Dimethyl Phthalate			ug/kg	<43.0	U	<41.0	U	<43.3	U	<55.0	U	<41.0	U
Benzo(A)Anthracene	5,600	11,000	ug/kg	<23.0	U	<22.0	U	<23.0	U	99	J	<22.0	U
Benzo(A)Pyrene	1,000	1,100	ug/kg	<50.0	U	<48.0	U	<50.0	U	69	J	<48.0	U
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	<34.0	U	<33.0	U	<35.0	U	88	J	<33.0	U
Benzo(K)Fluoranthene	56,000	110,000	ug/kg	<32.0	U	<31.0	U	<33.0	U	43	J	<31.0	U
Chrysene	56,000	110,000	ug/kg	<21.0	U	<20.0	U	<21.0	U	81	J	<20.0	U
Acenaphthylene	500,000	1,000,000	ug/kg	<31.0	U	<30.0	U	<32.0	U	<40	U	<30.0	U
Anthracene	500,000	1,000,000	ug/kg	<40.0	U	<38.0	U	<40.0	U	<51.0	U	<38.0	U
Benzo(G,H,I)Perylene	500,000	1,000,000	ug/kg	<24.0	U	<23.0	U	<24.0	U	<31.0	U	<23.0	U
Fluorene	500,000	1,000,000	ug/kg	<20.0	U	<19.0	U	<20.0	U	<25.0	U	<19.0	U
Phenanthrene	500,000	1,000,000	ug/kg	<25.0	U	<24.0	U	<25.0	U	150	J	<24.0	U
Dibenz(A,H)Anthracene	560	1,100	ug/kg	<23.0	U	<23.0	U	<24.0	U	<30.0	U	<22.0	U
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	<28.0	U	<27.0	U	<29.0	U	<36.0	U	<27.0	U
Pyrene	500,000	1,000,000	ug/kg	<20.0	U	<20.0	U	<20.0	U	120	J	<19.0	U
Biphenyl			ug/kg	<26.0	U	<26.0	U	<27.0	U	<34.0	U	<25.0	U
4-Chloroaniline			ug/kg	<37.0	U	<36.0	U	<38.0	U	<47.0	U	<35.0	U
2-Nitroaniline			ug/kg	<39.0	U	<38.0	U	<40.0	U	<50.0	U	<38.0	U
3-Nitroaniline			ug/kg	<38.0	U	<37.0	U	<39.0	U	<49.0	U	<37.0	U
4-Nitroaniline			ug/kg	<84.0	U	<81.0	U	<85.0	U	<110	U	<81.0	U
Dibenzofuran	350,000	1,000,000	ug/kg	<19.0	U	<19.0	U	<20.0	U	<25.0	U	<18.0	U
2-Methylnapthalene			ug/kg	<24.0	U	<24.0	U	<25.0	U	<31.0	U	<24.0	U
1,2,4,5-Tetrachlorobenzene			ug/kg	<21.0	U	<20.0	U	<22.0	U	<27.0	U	<20.0	U
Acetophenone			ug/kg	<25.0	U	<24.0	U	<26.0	U	<32.0	U	<24.0	U
2,4,6-Trichlorophenol			ug/kg	<38.0	U	<37.0	U	<39.0	U	<49.0	U	<37.0	U
4-Chloro-3-Methylphenol (p-Chloro-m-cresol)			ug/kg	<30.0	U	<29.0	U	<31.0	U	<39.0	U	<29.0	U
2-Chlorophenol			ug/kg	<24.0	U	<23.0	U	<24.0	U	<31.0	U	<23.0	U
2,4-Dichlorophenol			ug/kg	<33.0	U	<32.0	U	<33.0	U	<42.0	U	<31.0	U
2,4-Dimethylphenol			ug/kg	<67.0	U	<65.0	U	<68.0	U	<86.0	U	<64.0	U
2-Nitrophenol			ug/kg	<76.0	U	<74.0	U	<78.0	U	<98.0	U	<73.0	U
4-Nitrophenol			ug/kg	<83.0	U	<80.0	U	<84.0	U	<110	U	<79.0	U
2,4-Dinitrophenol			ug/kg	<95.0	U	<92.0	U	<96.0	U	<120	U	<91.0	U



Table 1
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 Storage Tank ST24 Location
 Riverview Innovation Technology Campus, Inc.
 Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	TP-ST24-618-03-06162022	TP-ST24-06-04-06162022	TP-ST24-618-04-06162022	TP-ST24-06-05-06162022	TP-ST24-618-05-06162022					
	Commercial	Industrial		Sample Date: 6/16/2022									
	Sample Interval: 6" - 18"			6" - 18"		0 - 6"		6" - 18"					
	Formation/Location:			No. 3 Clay		No. 4 Sand		No. 4 Clay		No. 5 Sand		No. 5 Clay	
4,6-Dinitro-o-cresol			ug/kg	<97.0	U	<94.0	U	<99.0	U	<120	U	<93.0	U
Pentachlorophenol	6,700	55,000	ug/kg	<45.0	U	<43.0	U	<45.0	U	<57.0	U	<43.0	U
Phenol	500,000	1,000,000	ug/kg	<31.0	U	<30.0	U	<31.0	U	1100		4200	
2-Methylphenol (O-Cresol)	500,000	1,000,000	ug/kg	<31.0	U	<30.0	U	<32.0	U	<40.0	U	260	
3-Methylphenol/4-Methylphenol (Cresols, M & P)	500,000	1,000,000	ug/kg	<32.0	U	<31.0	U	<32.0	U	<41.0	U	310	
2,4,5-Trichlorophenol			ug/kg	<39.0	U	<38.0	U	<40.0	U	<50.0	U	<37.0	U
Carbazole			ug/kg	<20.0	U	<19.0	U	<20.0	U	<25.0	U	<19.0	U
Atrazine			ug/kg	<71.0	U	<69.0	U	<72.0	U	<91.0	U	<68.0	U
Benzaldehyde			ug/kg	<55.0	U	<53.0	U	<56.0	U	<70.0	U	160	J
Caprolactam			ug/kg	<62.0	U	<60.0	U	<63.0	U	<79.0	U	82	J
2,3,4,6-Tetrachlorophenol			ug/kg	<41.0	U	<40.0	U	<42.0	U	<53.0	U	<39.0	U
TAL Metals (SW6010)													
Aluminum			mg/kg	12500		11300		9650		15200		10000	
Antimony			mg/kg	<0.882	U	<0.354	U	<0.369	U	<0.484	U	<0.337	U
Arsenic	16	16	mg/kg	3.37		2.43		3.12		3.10		3.14	
Barium	400	10,000	mg/kg	130		109		85.6		90.2		92.0	
Beryllium	590	2,700	mg/kg	0.790	J	0.586		0.457	J	0.727		0.487	
Cadmium	9.3	60	mg/kg	0.836	J	0.614	J	0.749	J	0.943	J	0.691	J
Calcium			mg/kg	2970		6800		37400		11200		27100	
Chromium, Total			mg/kg	16.2		13.5		13.1		18.0		13.4	
Cobalt			mg/kg	16.0		5.54		7.39		11.1		7.27	
Copper	270	10,000	mg/kg	13.5		9.55		13.0		15.0		13.6	
Iron			mg/kg	22200		16400		17100		24200		16800	
Lead	1,000	3,900	mg/kg	10.1	J	7.25		7.51		12.2		8.00	
Magnesium			mg/kg	4270		5610		10900		9270		10500	
Manganese	10,000	10,000	mg/kg	217		7.25		563		293		745	
Nickel	310	10,000	mg/kg	23.7		17.4		16.5		18.9		16.5	
Potassium			mg/kg	848		700		884		1080		981	
Selenium	1,500	6,800	mg/kg	<0.599	U	<0.240	U	<0.251	U	<0.329	U	<0.228	U
Silver	1,500	6,800	mg/kg	<0.657	U	<0.263	U	<0.275	U	<0.361	U	<0.251	U
Sodium			mg/kg	37.6	J	38.5	J	76.7	J	71.2	J	80.8	J
Thallium			mg/kg	0.732		<0.293	U	<0.306	U	<0.402	U	<0.279	U
Vanadium			mg/kg	26.2		17.3		18.9		24.4		20.7	
Zinc	10,000	10,000	mg/kg	49.5		46.6		53.6		69.0		41.4	



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 Storage Tank ST24 Location
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 Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	TP-ST24-618-03-06162022	TP-ST24-06-04-06162022	TP-ST24-618-04-06162022	TP-ST24-06-05-06162022	TP-ST24-618-05-06162022
	Commercial	Industrial		TP-ST24-618-03-06162022	TP-ST24-06-04-06162022	TP-ST24-618-04-06162022	TP-ST24-06-05-06162022	TP-ST24-618-05-06162022
	Sample Date:			6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022
	Sample Interval:			6" - 18"	0 - 6"	6" - 18"	0 - 6"	6" - 18"
	Formation/Location:			No. 3 Clay	No. 4 Sand	No. 4 Clay	No. 5 Sand	No. 5 Clay
Mercury (SW7471)								
Mercury	2.8	5.7	mg/kg	0.091	0.086	0.093	0.085	J <0.055 U
Cyanide (SW9012B)								
Cyanide	27	10,000	mg/kg	<0.25 U	<0.25 U	<0.24 U	<0.32 U	<0.23 U
PCBs (8082A)								
PCB-1016 (Aroclor 1016)	1000	25000	ug/kg	<3.52 U	<3.48 U	<3.50 U	<4.72 U	<3.38 U
PCB-1221 (Aroclor 1221)	1000	25000	ug/kg	<3.97 U	<3.92 U	<3.96 U	<5.32 U	<3.82 U
PCB-1232 (Aroclor 1232)	1000	25000	ug/kg	<8.41 U	<8.30 U	<8.37 U	<11.3 U	<8.07 U
PCB-1242 (Aroclor 1242)	1000	25000	ug/kg	<5.35 U	<5.28 U	<5.32 U	<7.16 U	<5.13 U
PCB-1248 (Aroclor 1248)	1000	25000	ug/kg	<5.95 U	<5.88 U	<5.92 U	<7.97 U	<5.71 U
PCB-1254 (Aroclor 1254)	1000	25000	ug/kg	<4.34 U	<4.28 U	<4.32 U	<5.81 U	<4.17 U
PCB-1260 (Aroclor 1260)	1000	25000	ug/kg	<7.33 U	<7.24 U	<7.30 U	<9.82 U	<7.04 U
PCB-1262 (Aroclor 1262)	1000	25000	ug/kg	<5.04 U	<4.97 U	<5.01 U	<6.75 U	<4.84 U
PCB-1268 (Aroclor 1268)	1000	25000	ug/kg	<4.11 U	<4.06 U	<4.09 U	<5.50 U	<3.95 U
Ammonia								
Nitrogen, Ammonia	-	-	mg/kg	16	17	34	26	9.5
TCLP Analytes		EPA Maximum Concentration of Contaminants by TCLP						
TCLP Semi-Volatile Organics								
2-Methylphenol (o-Cresol)	7500		ug/l	NS	NS	NS	<5.5 U	NS
2,4,5-Trichlorophenol	400000		ug/l	NS	NS	NS	<1.9 U	NS
2,4,6-Trichlorophenol	2000		ug/l	NS	NS	NS	<2.5 U	NS
2,4-Dinitrotoluene	130		ug/l	NS	NS	NS	<1.9 U	NS
3-Methylphenol/4-Methylphenol (Cresols m&p)	20000		ug/l	NS	NS	NS	<2.8 U	NS
Hexachlorobenzene	130		ug/l	NS	NS	NS	<3.4 U	NS
Hexachlorobutadiene	500		ug/l	NS	NS	NS	<3.0 U	NS
Hexachloroethane	3000		ug/l	NS	NS	NS	<2.2 U	NS
Nitrobenzene	2000		ug/l	NS	NS	NS	<3.3 U	NS
Pentachlorophenol	100000		ug/l	NS	NS	NS	<9.8 U	NS
Pyridine	5000		ug/l	NS	NS	NS	<4.5 U	NS
TCLP Volatile Organics								
1,1-Dichloroethene	500		ug/l	NS	NS	NS	<1.7 U	NS



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Analytes	Part 375 SCOs		Units	TP-ST24-618-03-06162022	TP-ST24-06-04-06162022	TP-ST24-618-04-06162022	TP-ST24-06-05-06162022	TP-ST24-618-05-06162022	
	Commercial	Industrial							
	Sample Date:			6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	
	Sample Interval:			6" - 18"	0 - 6"	6" - 18"	0 - 6"	6" - 18"	
	Formation/Location:			No. 3 Clay	No. 4 Sand	No. 4 Clay	No. 5 Sand	No. 5 Clay	
1,2-Dichloroethane	100000		ug/l	NS	NS	NS	<1.3	U	NS
2-Butanone	700		ug/l	NS	NS	NS	<19.0	U	NS
Benzene	500		ug/l	NS	NS	NS	<1.6	U	NS
Carbon Tetrachloride	6000		ug/l	NS	NS	NS	<1.3	U	NS
Chlorobenzene	500		ug/l	NS	NS	NS	<1.8	U	NS
Chloroform	200		ug/l	NS	NS	NS	<2.2	U	NS
Tetrachloroethene	700		ug/l	NS	NS	NS	<1.8	U	NS
Trichloroethene	200000		ug/l	NS	NS	NS	<1.8	U	NS
Vinyl chloride	500		ug/l	NS	NS	NS	<0.71	U	NS
Total Solids									
Total Solids	-	-	%	80.7	82.3	79.6	62.4		84.8



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 Storage Tank ST24 Location
 Riverview Innovation Technology Campus, Inc.
 Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	TP-ST24-06-06-06162022	TP-ST24-618-06-06162022	TP-ST24-40-06-06162022	TP-ST24-06-07-06162022	TP-ST24-618-07-06162022					
	Commercial	Industrial		Sample Date:	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022				
	Sample Interval:			0 - 6"	6" - 18"	40"	0 - 6"	6" - 18"					
	Formation/Location:			No. 6 Sand	No. 6 Clay	No. 6 Clay	No. 7 Sand	No. 7 Clay					
	TCL VOCs (SW8260C)												
1,1,1-Trichloroethane (TCA)	500,000	1,000,000	ug/kg	<38.0	U	<92.0	U	<49.0	U	<13.0	U	<11.0	U
1,1,2,2-Tetrachloroethane			ug/kg	<38.0	U	<91.0	U	<48.0	U	<13.0	U	<11.0	U
1,1,2-Trichloroethane			ug/kg	<61.0	U	<150	U	<78.0	U	<20.0	U	<18.0	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)			ug/kg	<160	U	<380	U	<200	U	<53.0	U	<46.0	U
1,1-Dichloroethane	240,000	480,000	ug/kg	<33.0	U	<80.0	U	<42.0	U	<11.0	U	<9.7	U
1,1-Dichloroethene	500,000	1,000,000	ug/kg	<54.0	U	<130	U	<69.0	U	<18.0	U	<16.0	U
1,2,3-Trichlorobenzene			ug/kg	<74.0	U	<180	U	<94.0	U	<25.0	U	<21.0	U
1,2,4-Trichlorobenzene			ug/kg	<62.0	U	<150	U	<79.0	U	<21.0	U	<18.0	U
1,2-Dibromo-3-Chloropropane			ug/kg	<230	U	<550	U	<290	U	<76.0	U	<66.0	U
1,2-Dibromoethane (Ethylene Dibromide)			ug/kg	<64.0	U	<150	U	<81.0	U	<21.0	U	<19.0	U
1,2-Dichlorobenzene	500,000	1,000,000	ug/kg	<33.0	U	<79.0	U	<42.0	U	<11.0	U	<9.6	U
1,2-Dichloroethane	30,000	60,000	ug/kg	<59.0	U	<140	U	<75.0	U	<20.0	U	<17.0	U
1,2-Dichloropropane			ug/kg	<29.0	U	<69.0	U	<36.0	U	<9.6	U	<8.3	U
1,3-Dichlorobenzene	280,000	560,000	ug/kg	<34.0	U	<81.0	U	<43.0	U	<11.0	U	<9.9	U
1,4-Dichlorobenzene	130,000	250,000	ug/kg	<39.0	U	<94.0	U	<50.0	U	<13.0	U	<11.0	U
1,4-Dioxane (P-Dioxane)	130,000	250,000	ug/kg	<8000	U	<19000	U	<10000	U	<2700	U	<2300	U
Methyl Ethyl Ketone (2-Butanone)	500,000	1,000,000	ug/kg	<510	U	<1200	U	<650	U	<170	U	<150	U
2-Hexanone			ug/kg	<270	U	<650	U	<340	U	<90.0	U	<79.0	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)			ug/kg	<290	U	<700	U	<3760	U	<98.0	U	<85.0	U
Acetone	500,000	1,000,000	ug/kg	1600	J	<2600	U	<1400	U	890		<320	U
Benzene	44,000	89,000	ug/kg	98000		240000		110000		6800		5300	
Bromochloromethane			ug/kg	<460	U	<110	U	<60.0	U	<16.0	U	<14.0	U
Bromodichloromethane			ug/kg	<25.0	U	<60.0	U	<32.0	U	<8.3	U	<7.3	U
Bromoform			ug/kg	<56.0	U	<140	U	<72.0	U	<19.0	U	<16.0	U
Bromomethane			ug/kg	<130	U	<320	U	<170	U	<44.0	U	<39.0	U
Carbon Disulfide			ug/kg	<1000	U	<2500	U	<1300	U	1400		<300	U
Carbon Tetrachloride	22,000	44,000	ug/kg	<53.0	U	<130	U	<67.0	U	<18.0	U	<15.0	U
Chlorobenzene	500,000	1,000,000	ug/kg	<29.0	U	<70.0	U	<37.0	U	<9.7	U	<8.5	U
Chloroethane			ug/kg	<100	U	<250	U	<130	U	<34.0	U	<30.0	U
Chloroform	350,000	700,000	ug/kg	<32.0	U	<77.0	U	<41.0	U	<11.0	U	<9.3	U
Chloromethane			ug/kg	<210	U	<510	U	<270	U	<71.0	U	<62.0	U
Cyclohexane			ug/kg	<120	U	1100	J	<160	U	<42.0	U	<36.0	U
Dibromochloromethane			ug/kg	<32.0	U	<77.0	U	<32.0	U	<11.0	U	<9.3	U
Dichlorodifluoromethane			ug/kg	<210	U	<500	U	<270	U	<70.0	U	<61.0	U
Methylene Chloride	500,000	1,000,000	ug/kg	<520	U	<1200	U	<670	U	<180	U	<150	U
Ethylbenzene	390,000	780,000	ug/kg	5700		14000		770		580		490	



Table 1
 Fill and Clay Sampling Data
 Storage Tank ST24 Location
 Riverview Innovation Technology Campus, Inc.
 Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	TP-ST24-06-06-06162022	TP-ST24-618-06-06162022	TP-ST24-40-06-06162022	TP-ST24-06-07-06162022	TP-ST24-618-07-06162022					
	Commercial	Industrial		Sample Date: 6/16/2022		6/16/2022		6/16/2022					
	Sample Interval: 0 - 6"		6" - 18"		40"		0 - 6"						
	Formation/Location: No. 6 Sand		No. 6 Clay		No. 6 Clay		No. 7 Sand						
Isopropylbenzene (Cumene)			ug/kg	46	J	160	J	<32.0	U	<8.3	U	<7.3	U
Methyl Acetate			ug/kg	1200		<520	U	<280	U	790		270	
Methyl Tert-Butyl Ether	500,000	1,000,000	ug/kg	<46.0	U	<110	U	<58.0	U	16	J	<13.0	U
Methylcyclohexane			ug/kg	<140	U	1000	J	<180	U	<46.0	U	64	J
Styrene			ug/kg	730		22000		1600		<15.0	U	190	
Tetrachloroethene	150,000	300,000	ug/kg	<45.0	U	330		<57.0	U	<15.0	U	<13.0	U
Toluene	500,000	1,000,000	ug/kg	8400		230000	E	45000		470		3200	
Trichloroethene	200,000	400,000	ug/kg	<31.0	U	<75.0	U	<40.0	U	<10.0	U	<9.1	U
Trichlorofluoromethane			ug/kg	<160	U	<380	U	<200	U	<53.0	U	<46.0	U
Vinyl Chloride	13,000	27,000	ug/kg	<77.0	U	<180	U	<98.0	U	<26.0	U	<22.0	U
Cis-1,2-Dichloroethylene	500,000	1,000,000	ug/kg	<40.0	U	<96.0	U	<51.0	U	<13.0	U	<12.0	U
Cis-1,3-Dichloropropene			ug/kg	<36.0	U	<87.0	U	<46.0	U	<12.0	U	<10.0	U
m,p-Xylene	500,000	1,000,000	ug/kg	8500		59000		3000		340		820	
O-Xylene (1,2-Dimethylbenzene)	500,000	1,000,000	ug/kg	1900		18000		920		91		240	
Trans-1,2-Dichloroethene	500,000	1,000,000	ug/kg	<31.0	U	<75.0	U	<40.0	U	<10.0	U	<9.1	U
Trans-1,3-Dichloropropene			ug/kg	<62.0	U	<150	U	<80.0	U	<21.0	U	<18.0	U
TCL SVOCs (SW8270D)													
Acenaphthene	500,000	1,000,000	ug/kg	100	J	<21.0	U	<20.0		330		<22.0	U
Hexachlorobenzene	6,000	12,000	ug/kg	<27.0	U	<23.0	U	<21.0		<26.0	U	<24.0	U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)			ug/kg	<32.0	U	<28.0	U	<26.0		<31.0	U	<28.0	U
2-Chloronaphthalene			ug/kg	<24.0	U	<20.0	U	<19.0		<23.0	U	<21.0	U
3,3'-Dichlorobenzidine			ug/kg	<64.0	U	<54.0	U	<51.0		<61.0	U	<56.0	U
2,4-Dinitrotoluene			ug/kg	<48.0	U	<41.0	U	<38.0		<46.0	U	<42.0	U
2,6-Dinitrotoluene			ug/kg	<41.0	U	<35.0	U	<33.0		<39.0	U	<36.0	U
Fluoranthene	500,000	1,000,000	ug/kg	2700		470		27	J	15000		740	
4-Chlorophenyl Phenyl Ether			ug/kg	<26.0	U	<22.0	U	<20.0		<24.0	U	<22.0	U
4-Bromophenyl Phenyl Ether			ug/kg	<36.0	U	<31.0	U	<29.0		<35.0	U	<32.0	U
Bis(2-Chloroisopropyl) Ether			ug/kg	<41.0	U	<35.0	U	<33.0		<39.0	U	<36.0	U
Bis(2-Chloroethoxy) Methane			ug/kg	<24.0	U	<20.0	U	<19.0		<23.0	U	<21.0	U
Hexachlorobutadiene			ug/kg	<35.0	U	<30.0	U	<28.0		<33.0	U	<31.0	U
Hexachlorocyclopentadiene			ug/kg	<220	U	<180	U	<170		<210	U	<190	U
Hexachloroethane			ug/kg	<39.0	U	<33.0	U	<31.0		<37.0	U	<34.0	U
Isophorone			ug/kg	<31.0	U	<27.0	U	<25.0		<30.0	U	<27.0	U
Naphthalene	500,000	1,000,000	ug/kg	140	J	74	J	23	J	400		94	J
Nitrobenzene			ug/kg	<35.0	U	<30.0	U	<28.0		<34.0	U	<31.0	U
N-Nitrosodiphenylamine			ug/kg	<27.0	U	<23.0	U	<22.0		<26.0	U	<24.0	U



Table 1
 Fill and Clay Sampling Data
 Storage Tank ST24 Location
 Riverview Innovation Technology Campus, Inc.
 Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	TP-ST24-06-06-06162022	TP-ST24-618-06-06162022	TP-ST24-40-06-06162022	TP-ST24-06-07-06162022	TP-ST24-618-07-06162022					
	Commercial	Industrial		Sample Date: 6/16/2022		6/16/2022		6/16/2022					
	Sample Interval: 0 - 6"			6" - 18"		40"		0 - 6"					
	Formation/Location: No. 6 Sand			No. 6 Clay		No. 6 Clay		No. 7 Sand					
N-Nitrosodi-N-Propylamine			ug/kg	<37.0	U	<32.0	U	<29.0		<35.0	U	<32.0	U
Bis(2-Ethylhexyl) Phthalate			ug/kg	<83.0	U	<71.0	U	<66.0		100	J	<73.0	U
Benzyl Butyl Phthalate			ug/kg	<60.0	U	<52.0	U	<48.0		<58.0	U	<53.0	U
Di-N-Butyl Phthalate			ug/kg	<45.0	U	<39.0	U	<36.0		<43.0	U	<40.0	U
Di-N-Octylphthalate			ug/kg	<81.0	U	<70.0	U	<65.0		<78.0	U	<71.0	U
Diethyl Phthalate			ug/kg	<22.0	U	<19.0	U	<18.0		<21.0	U	<19.0	U
Dimethyl Phthalate			ug/kg	<50.0	U	<43.0	U	<40.0		<48.0	U	<44.0	U
Benzo(A)Anthracene	5,600	11,000	ug/kg	1200		170		<22.0		6200		290	
Benzo(A)Pyrene	1,000	1,100	ug/kg	1300		150	J	<47.0		5900		260	
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	1600		190		<32.0		7200		310	
Benzo(K)Fluoranthene	56,000	110,000	ug/kg	560		65	J	<30.0		1900		120	J
Chrysene	56,000	110,000	ug/kg	1300		160		<20.0		4900		270	
Acenaphthylene	500,000	1,000,000	ug/kg	510		46	J	<29.0		1900		77	J
Anthracene	500,000	1,000,000	ug/kg	560		54	J	<37.0		3100		140	
Benzo(G,H,I)Perylene	500,000	1,000,000	ug/kg	830		63	J	<22.0		3000		130	J
Fluorene	500,000	1,000,000	ug/kg	310		77	J	<18.0		2800		110	J
Phenanthrene	500,000	1,000,000	ug/kg	2100		290		<23.0		14000		620	
Dibenz(A,H)Anthracene	560	1,100	ug/kg	250		<24.0	U	<22.0		800		30	J
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	960		80	J	<27.0		3900		160	J
Pyrene	500,000	1,000,000	ug/kg	2100		320		20	J	8700		490	
Biphenyl			ug/kg	<31.0	U	<27.0	U	<25.0		150	J	<27.0	U
4-Chloroaniline			ug/kg	<44.0	U	<37.0	U	<35.0		<42.0	U	<38.0	U
2-Nitroaniline			ug/kg	<46.0	U	<40.0	U	<37.0		<44.0	U	<40.0	U
3-Nitroaniline			ug/kg	<45.0	U	<39.0	U	<36.0		<43.0	U	<40.0	U
4-Nitroaniline			ug/kg	<99.0	U	<85.0	U	<79.0		<95.0	U	<87.0	U
Dibenzofuran	350,000	1,000,000	ug/kg	<23.0	U	42	J	<18.0		1500		68	J
2-Methylnapthalene			ug/kg	58	J	<25.0	U	<23.0		330		33	J
1,2,4,5-Tetrachlorobenzene			ug/kg	<25.0	U	<21.0	U	<20.0		<24.0	U	<22.0	U
Acetophenone			ug/kg	34	J	<25.0	U	53	J	<28.0	U	<26.0	U
2,4,6-Trichlorophenol			ug/kg	<45.0	U	<39.0	U	<36.0		<43.0	U	<40.0	U
4-Chloro-3-Methylphenol (p-Chloro-m-cresol)			ug/kg	<36.0	U	<30.0	U	<28.0		<34.0	U	<31.0	U
2-Chlorophenol			ug/kg	<28.0	U	<24.0	U	<22.0		<27.0	U	<25.0	U
2,4-Dichlorophenol			ug/kg	<38.0	U	<33.0	U	<31.0		<37.0	U	<34.0	U
2,4-Dimethylphenol			ug/kg	<79.0	U	<68.0	U	<63.0		<76.0	U	<69.0	U
2-Nitrophenol			ug/kg	<90.0	U	<77.0	U	<72.0		<86.0	U	<79.0	U
4-Nitrophenol			ug/kg	<98.0	U	<84.0	U	<78.0		<93.0	U	<86.0	U
2,4-Dinitrophenol			ug/kg	<110	U	<96.0	U	<89.0		<110	U	<98.0	U



Table 1
 Fill and Clay Sampling Data
 Storage Tank ST24 Location
 Riverview Innovation Technology Campus, Inc.
 Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	TP-ST24-06-06-06162022		TP-ST24-618-06-06162022		TP-ST24-40-06-06162022		TP-ST24-06-07-06162022		TP-ST24-618-07-06162022	
	Commercial	Industrial		Sample Date: 6/16/2022		6/16/2022		6/16/2022		6/16/2022		6/16/2022	
	Sample Interval:			0 - 6"		6" - 18"		40"		0 - 6"		6" - 18"	
	Formation/Location:			No. 6 Sand		No. 6 Clay		No. 6 Clay		No. 7 Sand		No. 7 Clay	
4,6-Dinitro-o-cresol			ug/kg	<120	U	<98.0	U	<92.0		<110	U	<100	U
Pentachlorophenol	6,700	55,000	ug/kg	<53.0	U	<45.0	U	<42.0		<50.0	U	<46.0	U
Phenol	500,000	1,000,000	ug/kg	1100		940		1500		270		120	J
2-Methylphenol (O-Cresol)	500,000	1,000,000	ug/kg	62	J	380		98	J	<35.0	U	<32.0	U
3-Methylphenol/4-Methylphenol (Cresols, M & P)	500,000	1,000,000	ug/kg	74	J	410		170	J	90	J	<33.0	U
2,4,5-Trichlorophenol			ug/kg	<46.0	U	<39.0	U	<36.0		<44.0	U	<40.0	U
Carbazole			ug/kg	280		44	J	<18.0		1400		65	J
Atrazine			ug/kg	<84.0	U	<72.0	U	<67.0		<80.0	U	<74.0	U
Benzaldehyde			ug/kg	<65.0	U	<55.0	U	180	J	<62.0	U	<57.0	U
Caprolactam			ug/kg	<73.0	U	<62.0	U	<58.0		<70.0	U	<64.0	U
2,3,4,6-Tetrachlorophenol			ug/kg	<48.0	U	<41.0	U	<38.0		<46.0	U	<42.0	U
TAL Metals (SW6010)													
Aluminum			mg/kg	2250		7870		8000		2890		2670	
Antimony			mg/kg	2.04	J	<0.373	U	<0.345	U	0.748	J	<0.370	U
Arsenic	16	16	mg/kg	39.1		2.69		4.37		18.4		5.89	
Barium	400	10,000	mg/kg	82.9		25.7		69.6		96.8		167	
Beryllium	590	2,700	mg/kg	0.114	J	0.392	J	0.418	J	0.135	J	0.107	J
Cadmium	9.3	60	mg/kg	4.92		1.42		0.726	J	3.26		0.992	
Calcium			mg/kg	15600		32900		42900		7530		5580	
Chromium, Total			mg/kg	58.9		10.5		12.6		28.6		13.6	
Cobalt			mg/kg	20.3		8.35		8.20		7.99		2.79	
Copper	270	10,000	mg/kg	141		9.80		15.8		60.6		17.5	
Iron			mg/kg	148000		35000		17300		104000		29200	
Lead	1,000	3,900	mg/kg	572		6.02		7.38		278		100	
Magnesium			mg/kg	1110		8680		11000		613		1200	
Manganese	10,000	10,000	mg/kg	690		663		445		408		148	
Nickel	310	10,000	mg/kg	73.1		18.0		16.9		26.0		9.02	
Potassium			mg/kg	364		811		879		806		577	
Selenium	1,500	6,800	mg/kg	0.628	J	<0.253	U	<0.234	U	0.571	J	0.311	J
Silver	1,500	6,800	mg/kg	<0.232	U	<0.277	U	<0.257	U	<0.294	U	0.275	
Sodium			mg/kg	58.8	J	78.1	J	108	J	31.6	J	51.2	J
Thallium			mg/kg	<0.360	U	<0.309	U	<0.286	U	<0.327	U	<0.306	U
Vanadium			mg/kg	9.09		16.9		19.4		9.36		8.18	
Zinc	10,000	10,000	mg/kg	21.8		39.2		44.4		10.6		9.61	



Table 1
Fill and Clay Sampling Data
Storage Tank ST24 Location
Riverview Innovation Technology Campus, Inc.
Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	TP-ST24-06-06-06162022	TP-ST24-618-06-06162022	TP-ST24-40-06-06162022	TP-ST24-06-07-06162022	TP-ST24-618-07-06162022					
	Commercial	Industrial		TP-ST24-06-06-06162022	TP-ST24-618-06-06162022	TP-ST24-40-06-06162022	TP-ST24-06-07-06162022	TP-ST24-618-07-06162022					
	Sample Date:			6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022					
	Sample Interval:			0 - 6"	6" - 18"	40"	0 - 6"	6" - 18"					
	Formation/Location:			No. 6 Sand	No. 6 Clay	No. 6 Clay	No. 7 Sand	No. 7 Clay					
Mercury (SW7471)													
Mercury	2.8	5.7	mg/kg	0.066	J	<0.053	U	<0.048	U	0.080	J	0.078	J
Cyanide (SW9012B)													
Cyanide	27	10,000	mg/kg	<0.28	U	<0.26	U	<0.23	U	<0.28	U	<0.26	U
PCBs (8082A)													
PCB-1016 (Aroclor 1016)	1000	25000	ug/kg	<4.05	U	<3.62	U	<3.26	U	<3.95	U	<3.61	U
PCB-1221 (Aroclor 1221)	1000	25000	ug/kg	<4.56	U	<4.09	U	<3.68	U	<4.46	U	<4.07	U
PCB-1232 (Aroclor 1232)	1000	25000	ug/kg	<9.66	U	<8.65	U	<7.79	U	<9.43	U	<8.62	U
PCB-1242 (Aroclor 1242)	1000	25000	ug/kg	<6.14	U	<5.50	U	<4.96	U	<6.00	U	<5.48	U
PCB-1248 (Aroclor 1248)	1000	25000	ug/kg	<6.83	U	<6.12	U	<5.51	U	<6.67	U	<6.10	U
PCB-1254 (Aroclor 1254)	1000	25000	ug/kg	<4.98	U	<4.46	U	<4.02	U	<4.87	U	<4.45	U
PCB-1260 (Aroclor 1260)	1000	25000	ug/kg	<8.42	U	<7.54	U	<6.79	U	<8.22	U	<7.51	U
PCB-1262 (Aroclor 1262)	1000	25000	ug/kg	<5.79	U	<5.18	U	<4.67	U	<5.65	U	<5.16	U
PCB-1268 (Aroclor 1268)	1000	25000	ug/kg	<4.72	U	<4.23	U	<3.81	U	<4.61	U	<4.21	U
Ammonia													
Nitrogen, Ammonia	-	-	mg/kg	25		6.1	J	3.9	J	16		6.7	J
TCLP Analytes		EPA Maximum Concentration of Contaminants by TCLP											
TCLP Semi-Volatile Organics													
2-Methylphenol (o-Cresol)	7500		ug/l	NS		NS		<5.5	U	NS		NS	
2,4,5-Trichlorophenol	400000		ug/l	NS		NS		<1.9	U	NS		NS	
2,4,6-Trichlorophenol	2000		ug/l	NS		NS		<2.5	U	NS		NS	
2,4-Dinitrotoluene	130		ug/l	NS		NS		<1.9	U	NS		NS	
3-Methylphenol/4-Methylphenol (Cresols m&p)	20000		ug/l	NS		NS		4.7	J	NS		NS	
Hexachlorobenzene	130		ug/l	NS		NS		<3.4	U	NS		NS	
Hexachlorobutadiene	500		ug/l	NS		NS		<3.0	U	NS		NS	
Hexachloroethane	3000		ug/l	NS		NS		<2.2	U	NS		NS	
Nitrobenzene	2000		ug/l	NS		NS		3.6	J	NS		NS	
Pentachlorophenol	100000		ug/l	NS		NS		<9.8	U	NS		NS	
Pyridine	5000		ug/l	NS		NS		<4.5	U	NS		NS	
TCLP Volatile Organics													
1,1-Dichloroethene	500		ug/l	NS		NS		<1.7	U	NS		NS	



Table 1
 Fill and Clay Sampling Data
 Storage Tank ST24 Location
 Riverview Innovation Technology Campus, Inc.
 Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	TP-ST24-06-06-06162022	TP-ST24-618-06-06162022	TP-ST24-40-06-06162022	TP-ST24-06-07-06162022	TP-ST24-618-07-06162022	
	Commercial	Industrial							
	Sample Date:			6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	
	Sample Interval:			0 - 6"	6" - 18"	40"	0 - 6"	6" - 18"	
	Formation/Location:			No. 6 Sand	No. 6 Clay	No. 6 Clay	No. 7 Sand	No. 7 Clay	
1,2-Dichloroethane	100000		ug/l	NS	NS	<1.3	U	NS	NS
2-Butanone	700		ug/l	NS	NS	<19.0	U	NS	NS
Benzene	500		ug/l	NS	NS	18		NS	NS
Carbon Tetrachloride	6000		ug/l	NS	NS	<1.3	U	NS	NS
Chlorobenzene	500		ug/l	NS	NS	<1.8	U	NS	NS
Chloroform	200		ug/l	NS	NS	<2.2	U	NS	NS
Tetrachloroethene	700		ug/l	NS	NS	<1.8	U	NS	NS
Trichloroethene	200000		ug/l	NS	NS	<1.8	U	NS	NS
Vinyl chloride	500		ug/l	NS	NS	<0.71	U	NS	NS
Total Solids									
Total Solids	-	-	%	69.1	79.8	85.8		72.5	78.2



Table 1
 Fill and Clay Sampling Data
 Storage Tank ST24 Location
 Riverview Innovation Technology Campus, Inc.
 Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	TP-ST24-06-08-06162022		TP-ST24-618-08-06162022		TP-ST24-06-09-06162022		TP-ST24-618-09-06162022		TP-ST24-06-10-06162022		TP-ST24-618-10-06162022	
	Commercial	Industrial													
	Sample Date:			6/16/2022		6/16/2022		6/16/2022		6/16/2022		6/16/2022		6/16/2022	
	Sample Interval:			0 - 6"		6" - 18"		0 - 6"		6" - 18"		0 - 6"		6" - 18"	
Formation/Location:			No. 8 Sand		No. 8 Clay		No. 9 Sand		No. 9 Clay		No. 10 Sand		No. 10 Clay		
TCL VOCs (SW8260C)															
1,1,1-Trichloroethane (TCA)	500,000	1,000,000	ug/kg	<0.24	U	<0.27	U	<17.0	U	<14.0	U	<0.18	U	<0.15	
1,1,2,2-Tetrachloroethane			ug/kg	<0.23	U	<0.27	U	<16.0	U	<14.0	U	<0.18	U	<0.15	
1,1,2-Trichloroethane			ug/kg	<0.38	U	<0.43	U	<27.0	U	<22.0	U	<0.29	U	<0.25	
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)			ug/kg	<0.98	U	<1.1	U	<69.0	U	<57.0	U	<0.26	U	<0.64	
1,1-Dichloroethane	240,000	480,000	ug/kg	<0.20	U	<0.23	U	<14.0	U	<12.0	U	<0.16	U	<0.13	
1,1-Dichloroethene	500,000	1,000,000	ug/kg	<0.34	U	<0.38	U	<24.0	U	<20.0	U	<0.26	U	<0.22	
1,2,3-Trichlorobenzene			ug/kg	<0.46	U	<0.52	U	<32.0	U	<26.0	U	<0.35	U	<0.30	
1,2,4-Trichlorobenzene			ug/kg	<0.38	U	<0.44	U	<27.0	U	<22.0	U	<0.30	U	<0.25	
1,2-Dibromo-3-Chloropropane			ug/kg	<1.4	U	<1.6	U	<100	U	<82.0	U	<1.1	U	<0.92	
1,2-Dibromoethane (Ethylene Dibromide)			ug/kg	<0.39	U	<0.45	U	<28.0	U	<23.0	U	<0.30	U	<0.26	
1,2-Dichlorobenzene	500,000	1,000,000	ug/kg	<0.20	U	<0.23	U	<14.0	U	<12.0	U	<0.16	U	<0.13	
1,2-Dichloroethane	30,000	60,000	ug/kg	<0.36	U	<0.42	U	<26.0	U	<21.0	U	<0.28	U	<0.24	
1,2-Dichloropropane			ug/kg	<0.18	U	<0.20	U	<12.0	U	<10.0	U	<0.14	U	<0.12	
1,3-Dichlorobenzene	280,000	560,000	ug/kg	<0.21	U	<0.24	U	<15.0	U	<12.0	U	<0.16	U	<0.14	
1,4-Dichlorobenzene	130,000	250,000	ug/kg	<0.24	U	<0.28	U	<17.0	U	<14.0	U	<0.19	U	<0.16	
1,4-Dioxane (P-Dioxane)	130,000	250,000	ug/kg	<50.0	U	<57.0	U	<3500	U	<2900	U	<38.0	U	<32.0	
Methyl Ethyl Ketone (2-Butanone)	500,000	1,000,000	ug/kg	<3.1	U	<3.6	U	<220	U	<180	U	<2.4	U	<2.0	
2-Hexanone			ug/kg	<1.7	U	<1.9	U	<120	U	<97.0	U	<1.3	U	<1.1	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)			ug/kg	<1.8	U	<2.1	U	<130	U	<100	U	<1.4	U	<1.2	
Acetone	500,000	1,000,000	ug/kg	11	J	63		680	J	<400	U	61		4.5	
Benzene	44,000	89,000	ug/kg	<0.23	U	1.6		38000		12000		<0.18	U	<0.15	
Bromochloromethane			ug/kg	<0.29	U	<0.33	U	<20.0	U	<17.0	U	<0.22	U	<0.19	
Bromodichloromethane			ug/kg	<0.15	U	<0.18	U	<11.0	U	<9.0	U	<0.12	U	<0.10	
Bromoform			ug/kg	<0.35	U	<0.40	U	<24.0	U	<20.0	U	<0.27	U	<0.23	
Bromomethane			ug/kg	<0.82	U	<0.94	U	<58.0	U	<48.0	U	<0.64	U	<0.54	
Carbon Disulfide			ug/kg	<6.4	U	<7.4	U	<450	U	<370	U	<5.0	U	<4.2	
Carbon Tetrachloride	22,000	44,000	ug/kg	<0.32	U	<0.37	U	<23.0	U	<19.0	U	<0.25	U	<0.21	
Chlorobenzene	500,000	1,000,000	ug/kg	<0.18	U	<0.20	U	<13.0	U	<10.0	U	<0.14	U	<0.12	
Chloroethane			ug/kg	<0.64	U	<0.73	U	<45.0	U	<37.0	U	<0.50	U	<0.42	
Chloroform	350,000	700,000	ug/kg	<0.20	U	<0.23	U	<14.0	U	<12.0	U	<0.15	U	<0.13	
Chloromethane			ug/kg	<1.3	U	<1.5	U	<93.0	U	<77.0	U	<1.0	U	<0.86	
Cyclohexane			ug/kg	<0.77	U	<0.88	U	<54.0	U	<45.0	U	<0.60	U	<0.50	
Dibromochloromethane			ug/kg	<0.20	U	<0.23	U	<14.0	U	<12.0	U	<0.15	U	<0.13	
Dichlorodifluoromethane			ug/kg	<1.3	U	<1.5	U	<91.0	U	<75.0	U	<1.0	U	<0.84	
Methylene Chloride	500,000	1,000,000	ug/kg	<3.2	U	<3.7	U	<230	U	<190	U	<2.5	U	<2.1	
Ethylbenzene	390,000	780,000	ug/kg	0.52	J	<0.23	U	480		1200		<0.15	U	<0.13	



Table 1
Fill and Clay Sampling Data
Storage Tank ST24 Location
Riverview Innovation Technology Campus, Inc.
Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	TP-ST24-06-08-06162022		TP-ST24-618-08-06162022		TP-ST24-06-09-06162022		TP-ST24-618-09-06162022		TP-ST24-06-10-06162022		TP-ST24-618-10-06162022	
	Commercial	Industrial		Sample Date: 6/16/2022		6/16/2022		6/16/2022		6/16/2022		6/16/2022		6/16/2022	
	Sample Interval: 0 - 6"			0 - 6"		6" - 18"		0 - 6"		6" - 18"		0 - 6"		6" - 18"	
	Formation/Location:			No. 8 Sand		No. 8 Clay		No. 9 Sand		No. 9 Clay		No. 10 Sand		No. 10 Clay	
Isopropylbenzene (Cumene)			ug/kg	<0.15	U	<0.18	U	<11.0	U	<9.0	U	<0.12	U	<0.10	
Methyl Acetate			ug/kg	<1.3	U	<1.5	U	620		<78.0	U	<1.0	U	<0.88	
Methyl Tert-Butyl Ether	500,000	1,000,000	ug/kg	<0.28	U	<0.32	U	20	J	<16.0	U	<0.22	U	<0.18	
Methylcyclohexane			ug/kg	<0.85	U	<0.98	U	130	J	<50.0	U	<0.66	U	<0.56	
Styrene			ug/kg	<0.28	U	<0.32	U	110		440		<0.21	U	<0.18	
Tetrachloroethene	150,000	300,000	ug/kg	<0.28	U	<0.32	U	88	68	<16.0	U	<0.21	U	<0.18	
Toluene	500,000	1,000,000	ug/kg	<0.77	U	<0.88	U	3000		1600		<0.60	U	<0.50	
Trichloroethene	200,000	400,000	ug/kg	<0.19	U	<0.22	U	<14.0	U	<11.0	U	<0.15	U	<0.13	
Trichlorofluoromethane			ug/kg	<0.98	U	<1.1	U	<69.0	U	<57.0	U	<0.76	U	<0.64	
Vinyl Chloride	13,000	27,000	ug/kg	<0.47	U	<0.54	U	<33.0	U	<28.0	U	<0.37	U	<0.31	
Cis-1,2-Dichloroethylene	500,000	1,000,000	ug/kg	<0.25	U	<0.28	U	<17.0	U	<14.0	U	<0.19	U	<0.16	
Cis-1,3-Dichloropropene			ug/kg	<0.22	U	<0.26	U	<16.0	U	<13.0	U	<0.17	U	<0.14	
m,p-Xylene	500,000	1,000,000	ug/kg	<0.79	U	<0.90	U	2100		1500		<0.61	U	<0.52	
O-Xylene (1,2-Dimethylbenzene)	500,000	1,000,000	ug/kg	<0.41	U	<0.47	U	770		340		<0.32	U	<0.27	
Trans-1,2-Dichloroethene	500,000	1,000,000	ug/kg	<0.19	U	<0.22	U	<14.0	U	<11.0	U	<0.15	U	<0.13	
Trans-1,3-Dichloropropene			ug/kg	<0.39	U	<0.44	U	<27.0	U	<22.0	U	<0.30	U	<0.25	
TCL SVOCs (SW8270D)															
Acenaphthene	500,000	1,000,000	ug/kg	770		<22.0	U	<26.0	U	<24.0	U	220		27	
Hexachlorobenzene	6,000	12,000	ug/kg	<32.0	U	<24.0	U	<28.0	U	<26.0	U	<26.0	U	<24.0	
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)			ug/kg	<39.0	U	<29.0	U	<34.0	U	<31.0	U	<32.0	U	<29.0	
2-Chloronaphthalene			ug/kg	<28.0	U	<22.0	U	<25.0	U	<23.0	U	<23.0	U	<21.0	
3,3'-Dichlorobenzidine			ug/kg	<76.0	U	<58.0	U	<66.0	U	<61.0	U	<63.0	U	<56.0	
2,4-Dinitrotoluene			ug/kg	<58.0	U	<43.0	U	<50.0	U	<46.0	U	<47.0	U	<42.0	
2,6-Dinitrotoluene			ug/kg	<49.0	U	<37.0	U	<43.3	U	<39.0	U	<40.0	U	<36.0	
Fluoranthene	500,000	1,000,000	ug/kg	3800		<25.0	U	91	J	<26.0	U	1200		150	
4-Chlorophenyl Phenyl Ether			ug/kg	<31.0	U	<23.0	U	<26.0	U	<24.0	U	<25.0	U	<23.0	
4-Bromophenyl Phenyl Ether			ug/kg	<44.0	U	<33.0	U	<38.0	U	<35.0	U	<36.0	U	<32.0	
Bis(2-Chloroisopropyl) Ether			ug/kg	<49.0	U	<37.0	U	<42.0	U	<39.0	U	<40.0	U	<36.0	
Bis(2-Chloroethoxy) Methane			ug/kg	<29.0	U	<22.0	U	<25.0	U	<23.0	U	<24.0	U	<21.0	
Hexachlorobutadiene			ug/kg	<42.0	U	<32.0	U	<36.0	U	<34.0	U	<34.0	U	<31.0	
Hexachlorocyclopentadiene			ug/kg	<260	U	<200	U	<220	U	<210	U	<210	U	<190	
Hexachloroethane			ug/kg	<46.0	U	<35.0	U	<40.0	U	<37.0	U	<38.0	U	<34.0	
Isophorone			ug/kg	<37.0	U	<28.0	U	<32.0	U	<30.0	U	<30.0	U	<27.0	
Naphthalene	500,000	1,000,000	ug/kg	500		<26.0	U	<30.0	U	<28.0	U	180	J	<26.0	
Nitrobenzene			ug/kg	<42.0	U	<32.0	U	<37.0	U	<34.0	U	<35.0	U	<31.0	
N-Nitrosodiphenylamine			ug/kg	<33.0	U	<25.0	U	<28.0	U	<26.0	U	<27.0	U	<24.0	



Table 1
 Fill and Clay Sampling Data
 Storage Tank ST24 Location
 Riverview Innovation Technology Campus, Inc.
 Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	TP-ST24-06-08-06162022		TP-ST24-618-08-06162022		TP-ST24-06-09-06162022		TP-ST24-618-09-06162022		TP-ST24-06-10-06162022		TP-ST24-618-10-06162022	
	Commercial	Industrial		Sample Date: 6/16/2022		6/16/2022		6/16/2022		6/16/2022		6/16/2022		6/16/2022	
	Sample Interval: 0 - 6"			0 - 6"		6" - 18"		0 - 6"		6" - 18"		0 - 6"		6" - 18"	
	Formation/Location:			No. 8 Sand		No. 8 Clay		No. 9 Sand		No. 9 Clay		No. 10 Sand		No. 10 Clay	
N-Nitrosodi-N-Propylamine			ug/kg	<44.0	U	<33.0	U	<38.0	U	<35.0	U	<36.0	U	<33.0	
Bis(2-Ethylhexyl) Phthalate			ug/kg	<100	U	<75.0	U	<86.0	U	<79.0	U	<81.0	U	<73.0	
Benzyl Butyl Phthalate			ug/kg	<72.0	U	<55.0	U	<62.0	U	<58.0	U	<59.0	U	<53.0	
Di-N-Butyl Phthalate			ug/kg	61	J	<41.0	U	<47.0	U	<43.0	U	<45.0	U	<40.0	
Di-N-Octylphthalate			ug/kg	<98.0	U	<74.0	U	<84.0	U	<78.0	U	<80.0	U	<72.0	
Diethyl Phthalate			ug/kg	<27.0	U	<20.0	U	<23.0	U	<21.0	U	<22.0	U	<20.0	
Dimethyl Phthalate			ug/kg	<60.0	U	<46.0	U	<52.0	U	<48.0	U	<49.0	U	<44.0	
Benzo(A)Anthracene	5,600	11,000	ug/kg	2500		<24.0	U	63	J	<26.0	U	730		95	
Benzo(A)Pyrene	1,000	1,100	ug/kg	4300		<53.0	U	100	J	<56.0	U	1200		150	
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	4300		<36.0	U	110	J	<39.0	U	1300		160	
Benzo(K)Fluoranthene	56,000	110,000	ug/kg	1800		<35.0	U	41	J	<37.0	U	440		60	
Chrysene	56,000	110,000	ug/kg	2800		<22.0	U	67	J	<24.0	U	830		110	
Acenaphthylene	500,000	1,000,000	ug/kg	170	J	<33.0	U	<38.0	U	<35.0	U	<360	U	<33.0	
Anthracene	500,000	1,000,000	ug/kg	410		<42.0	U	<48.0	U	<45.0	U	120	J	<41.0	
Benzo(G,H,I)Perylene	500,000	1,000,000	ug/kg	3300		<26.0	U	78	J	<27.0	U	910		110	
Fluorene	500,000	1,000,000	ug/kg	200	J	<21.0	U	<24.0	U	<22.0	U	59	J	<20.0	
Phenanthrene	500,000	1,000,000	ug/kg	1800		<26.0	U	47	J	<28.0	U	530		76	
Dibenz(A,H)Anthracene	560	1,100	ug/kg	660		<25.0	U	<29.0	U	<26.0	U	180		<24.0	
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	3600		<30.0	U	87	J	<32.0	U	970		120	
Pyrene	500,000	1,000,000	ug/kg	3600		<22.0	U	88	J	<23.0	U	1100		150	
Biphenyl			ug/kg	57	J	<28.0	U	<32.0	U	<30.0	U	<31.0	U	<28.0	
4-Chloroaniline			ug/kg	<52.0	U	<39.0	U	<45.0	U	<42.0	U	<43.0	U	<38.0	
2-Nitroaniline			ug/kg	<55.0	U	<42.0	U	<48.0	U	<44.0	U	<45.0	U	<41.0	
3-Nitroaniline			ug/kg	<54.0	U	<41.0	U	<47.0	U	<43.0	U	<44.0	U	<40.0	
4-Nitroaniline			ug/kg	<120	U	<90.0	U	<100	U	<95.0	U	<97.0	U	<88.0	
Dibenzofuran	350,000	1,000,000	ug/kg	140	J	<20.0	U	<23.0	U	<22.0	U	43	J	<20.0	
2-Methylnaphthalene			ug/kg	260	J	<26.0	U	<30.0	U	<28.0	U	62	J	<26.0	
1,2,4,5-Tetrachlorobenzene			ug/kg	<30.0	U	<23.0	U	<26.0	U	<24.0	U	<24.0	U	<22.0	
Acetophenone			ug/kg	65	J	<27.0	U	<31.0	U	<28.0	U	<29.0	U	<26.0	
2,4,6-Trichlorophenol			ug/kg	<54.0	U	<41.0	U	<47.0	U	<43.0	U	<45.0	U	<40.0	
4-Chloro-3-Methylphenol (p-Chloro-m-cresol)			ug/kg	<43.0	U	<32.0	U	<37.0	U	<34.0	U	<35.0	U	<32.0	
2-Chlorophenol			ug/kg	<34.0	U	<26.0	U	<29.0	U	<27.0	U	<28.0	U	<25.0	
2,4-Dichlorophenol			ug/kg	<46.0	U	<35.0	U	<40.0	U	<37.0	U	<38.0	U	<34.0	
2,4-Dimethylphenol			ug/kg	<95.0	U	<72.0	U	<82.0	U	<76.0	U	<78.0	U	<70.0	
2-Nitrophenol			ug/kg	<110	U	<82.0	U	<93.0	U	<86.0	U	<88.0	U	<80.0	
4-Nitrophenol			ug/kg	<120	U	<88.0	U	<100	U	<94.0	U	<96.0	U	<86.0	
2,4-Dinitrophenol			ug/kg	<130	U	<100	U	<120	U	<110	U	<110	U	<99.0	



Table 1
 Fill and Clay Sampling Data
 Storage Tank ST24 Location
 Riverview Innovation Technology Campus, Inc.
 Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	TP-ST24-06-08-06162022		TP-ST24-618-08-06162022		TP-ST24-06-09-06162022		TP-ST24-618-09-06162022		TP-ST24-06-10-06162022		TP-ST24-618-10-06162022	
	Commercial	Industrial		Sample Date: 6/16/2022		6/16/2022		6/16/2022		6/16/2022		6/16/2022		6/16/2022	
	Sample Interval: 0 - 6"			0 - 6"		6" - 18"		0 - 6"		6" - 18"		0 - 6"		6" - 18"	
	Formation/Location: No. 8 Sand			No. 8 Sand		No. 8 Clay		No. 9 Sand		No. 9 Clay		No. 10 Sand		No. 10 Clay	
4,6-Dinitro-o-cresol			ug/kg	<140	U	<100	U	<120	U	<110	U	<110	U	<100	
Pentachlorophenol	6,700	55,000	ug/kg	<63.0	U	<48.0	U	<55.0	U	<50.0	U	<52.0	U	<46.0	
Phenol	500,000	1,000,000	ug/kg	85	J	<33.0	U	<38.0	U	87	J	<36.0	U	<32.0	
2-Methylphenol (O-Cresol)	500,000	1,000,000	ug/kg	<45.0	U	<34.0	U	<38.0	U	<36.0	U	<36.0	U	<33.0	
3-Methylphenol/4-Methylphenol (Cresols, M & P)	500,000	1,000,000	ug/kg	110	J	<34.0	U	<39.0	U	<36.0	U	43	J	<33.0	
2,4,5-Trichlorophenol			ug/kg	<55.0	U	<42.0	U	<48.0	U	<44.0	U	<45.0	U	<40.0	
Carbazole			ug/kg	360		<21.0	U	<24.0	U	<22.0	U	110	J	<20.0	
Atrazine			ug/kg	<100	U	<76.0	U	<87.0	U	<80.0	U	<82.0	U	<74.0	
Benzaldehyde			ug/kg	230	J	<58.0	U	<67.0	U	<62.0	U	<64.0	U	<57.0	
Caprolactam			ug/kg	<87.0	U	<66.0	U	<76.0	U	<70.0	U	<72.0	U	<64.0	
2,3,4,6-Tetrachlorophenol			ug/kg	<58.0	U	<44.0	U	<50.0	U	<46.0	U	<48.0	U	<43.0	
TAL Metals (SW6010)															
Aluminum			mg/kg	10100		10200		2340		10600		9660		11500	
Antimony			mg/kg	<0.509	U	<0.388	U	<0.447	U	<0.406	U	<0.428	U	<0.386	
Arsenic	16	16	mg/kg	6.81		2.50		4.97		4.18		5.46		4.01	
Barium	400	10,000	mg/kg	94.4		105		155		42.6		85.7		98.2	
Beryllium	590	2,700	mg/kg	0.616	J	0.632		0.141	J	0.619		0.620		0.569	
Cadmium	9.3	60	mg/kg	1.59		0.591	J	1.28		1.15		1.57		0.732	
Calcium			mg/kg	21300		24000		2110		14900		16200		34000	
Chromium, Total			mg/kg	22.0		13.0		9.20		13.9		15.2		14.8	
Cobalt			mg/kg	6.72		6.32		2.01	J	13.4		9.46		8.04	
Copper	270	10,000	mg/kg	26.2		11.0		13.0		14.9		22.7		13.9	
Iron			mg/kg	40200		15500		36800		29100		35900		18800	
Lead	1,000	3,900	mg/kg	378		9.68		477		52.9		99.7		8.46	
Magnesium			mg/kg	4850		8120		586		3120		6510		11400	
Manganese	10,000	10,000	mg/kg	286		508		64.1		424		489		408	
Nickel	310	10,000	mg/kg	18.7		15.2		5.88		22.8		20.8		17.8	
Potassium			mg/kg	852		967		439		1440		662		982	
Selenium	1,500	6,800	mg/kg	0.616	J	<0.263	U	0.365	J	<0.276	U	0.327	J	<0.262	
Silver	1,500	6,800	mg/kg	<0.379	U	<0.288	U	0.333		<0.302	U	<0.319	U	<0.288	
Sodium			mg/kg	59.6	J	81.9	J	104	J	659		53.6	J	83.2	
Thallium			mg/kg	<0.422	U	<0.321	U	<0.371	U	<0.336	U	<0.355	U	<0.320	
Vanadium			mg/kg	26.0		20.4		8.64		19.5		22.4		22.7	
Zinc	10,000	10,000	mg/kg	70.9		41.1		16.5		56.7		129		44.2	



Table 1
Fill and Clay Sampling Data
Storage Tank ST24 Location
Riverview Innovation Technology Campus, Inc.
Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	TP-ST24-06-08-06162022	TP-ST24-618-08-06162022	TP-ST24-06-09-06162022	TP-ST24-618-09-06162022	TP-ST24-06-10-06162022	TP-ST24-618-10-06162022					
	Commercial	Industrial		Sample Date: 6/16/2022		Sample Date: 6/16/2022		Sample Date: 6/16/2022		Sample Date: 6/16/2022				
	Sample Interval: 0 - 6"			Sample Interval: 0 - 6"		Sample Interval: 6" - 18"		Sample Interval: 6" - 18"		Sample Interval: 0 - 6"				
	Formation/Location: No. 8 Sand			Formation/Location: No. 8 Clay		Formation/Location: No. 9 Sand		Formation/Location: No. 9 Clay		Formation/Location: No. 10 Sand				
Mercury (SW7471)														
Mercury	2.8	5.7	mg/kg	0.133	0.081	J	0.168	0.148	0.092	J	0.071			
Cyanide (SW9012B)														
Cyanide	27	10,000	mg/kg	<0.36	U	<0.27	U	<0.29	U	<0.28	U	<0.30	U	<0.26
PCBs (8082A)														
PCB-1016 (Aroclor 1016)	1000	25000	ug/kg	<4.90	U	<3.73	U	<4.30	U	<4.09	U	<4.10	U	<3.65
PCB-1221 (Aroclor 1221)	1000	25000	ug/kg	<5.53	U	<4.20	U	<4.85	U	<4.62	U	<4.63	U	<4.12
PCB-1232 (Aroclor 1232)	1000	25000	ug/kg	<11.7	U	<8.90	U	<10.3	U	<9.77	U	<9.80	U	<8.72
PCB-1242 (Aroclor 1242)	1000	25000	ug/kg	<7.44	U	<5.66	U	<6.53	U	<6.21	U	<6.23	U	<5.55
PCB-1248 (Aroclor 1248)	1000	25000	ug/kg	<8.28	U	<6.30	U	<7.26	U	<6.91	U	<6.93	U	<6.17
PCB-1254 (Aroclor 1254)	1000	25000	ug/kg	10.3	J	<4.59	U	<5.30	U	<5.04	U	<5.06	U	<4.50
PCB-1260 (Aroclor 1260)	1000	25000	ug/kg	<10.2	U	<7.76	U	53.0	J	27.5	J	<8.54	U	<7.60
PCB-1262 (Aroclor 1262)	1000	25000	ug/kg	<7.01	U	<5.33	U	<6.15	U	<5.85	U	<5.87	U	<5.22
PCB-1268 (Aroclor 1268)	1000	25000	ug/kg	<5.72	U	<4.35	U	<5.02	U	<4.77	U	<4.79	U	<4.26
Ammonia														
Nitrogen, Ammonia	-	-	mg/kg	6.5	J	3.9	J	6.4	J	13	J	3.6	J	7.2
TCLP Analytes														
EPA Maximum Concentration of Contaminants by TCLP														
TCLP Semi-Volatile Organics														
2-Methylphenol (o-Cresol)	7500		ug/l	NS		NS		NS		NS		NS		NS
2,4,5-Trichlorophenol	400000		ug/l	NS		NS		NS		NS		NS		NS
2,4,6-Trichlorophenol	2000		ug/l	NS		NS		NS		NS		NS		NS
2,4-Dinitrotoluene	130		ug/l	NS		NS		NS		NS		NS		NS
3-Methylphenol/4-Methylphenol (Cresols m&p)	20000		ug/l	NS		NS		NS		NS		NS		NS
Hexachlorobenzene	130		ug/l	NS		NS		NS		NS		NS		NS
Hexachlorobutadiene	500		ug/l	NS		NS		NS		NS		NS		NS
Hexachloroethane	3000		ug/l	NS		NS		NS		NS		NS		NS
Nitrobenzene	2000		ug/l	NS		NS		NS		NS		NS		NS
Pentachlorophenol	100000		ug/l	NS		NS		NS		NS		NS		NS
Pyridine	5000		ug/l	NS		NS		NS		NS		NS		NS
TCLP Volatile Organics														
1,1-Dichloroethene	500		ug/l	NS		NS		NS		NS		NS		NS



Table 1
 Fill and Clay Sampling Data
 Storage Tank ST24 Location
 Riverview Innovation Technology Campus, Inc.
 Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	TP-ST24-06-08-06162022	TP-ST24-618-08-06162022	TP-ST24-06-09-06162022	TP-ST24-618-09-06162022	TP-ST24-06-10-06162022	TP-ST24-618-10-06162022	
	Commercial	Industrial		Sample Date: 6/16/2022		Sample Date: 6/16/2022		Sample Date: 6/16/2022		Sample Date: 6/16/2022
	Sample Interval: 0 - 6"		Sample Interval: 6" - 18"		Sample Interval: 0 - 6"		Sample Interval: 6" - 18"		Sample Interval: 0 - 6"	
	Formation/Location: No. 8 Sand		Formation/Location: No. 8 Clay		Formation/Location: No. 9 Sand		Formation/Location: No. 9 Clay		Formation/Location: No. 10 Sand	
1,2-Dichloroethane	100000		ug/l	NS	NS	NS	NS	NS	NS	
2-Butanone	700		ug/l	NS	NS	NS	NS	NS	NS	
Benzene	500		ug/l	NS	NS	NS	NS	NS	NS	
Carbon Tetrachloride	6000		ug/l	NS	NS	NS	NS	NS	NS	
Chlorobenzene	500		ug/l	NS	NS	NS	NS	NS	NS	
Chloroform	200		ug/l	NS	NS	NS	NS	NS	NS	
Tetrachloroethene	700		ug/l	NS	NS	NS	NS	NS	NS	
Trichloroethene	200000		ug/l	NS	NS	NS	NS	NS	NS	
Vinyl chloride	500		ug/l	NS	NS	NS	NS	NS	NS	
Total Solids										
Total Solids	-	-	%	56.9	75.2	66.2	71.2	68.8	77.3	



Table 1
 Fill and Clay Sampling Data
 Storage Tank ST24 Location
 Riverview Innovation Technology Campus, Inc.
 Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	0-06162022	TP-ST24-06-11-06162022	TP-ST24-618-11-06162022	TP-ST24-1824-11-06162022	TP-ST24-06-12-06162022	TP-ST24-618-12-06162022					
	Commercial	Industrial		Sample Date: 2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022					
	Sample Interval: 18"			18"	0 - 6"	6" - 18"	18" - 24"	0 - 6"	6" - 18"					
	Formation/Location:			Clay	No. 11 Sand	No. 11 Clay	No. 11 Red Clay	No. 12 Sand	No. 12 Clay					
	TCL VOCs (SW8260C)													
1,1,1-Trichloroethane (TCA)	500,000	1,000,000	ug/kg	U	<0.28	U	<0.16	U	<0.15	U	<0.23	U	<0.14	U
1,1,2,2-Tetrachloroethane			ug/kg	U	<0.27	U	<0.16	U	<0.14	U	<0.23	U	<0.14	U
1,1,2-Trichloroethane			ug/kg	U	<0.44	U	<0.26	U	<0.23	U	<0.37	U	<0.22	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)			ug/kg	U	<1.1	U	<0.67	U	<0.61	U	<0.97	U	<0.58	U
1,1-Dichloroethane	240,000	480,000	ug/kg	U	<0.24	U	<0.14	U	<0.13	U	<0.20	U	<0.12	U
1,1-Dichloroethene	500,000	1,000,000	ug/kg	U	<0.39	U	<0.23	U	<0.21	U	<0.33	U	<0.20	U
1,2,3-Trichlorobenzene			ug/kg	U	<0.53	U	<0.31	U	<0.28	U	<0.45	U	<0.27	U
1,2,4-Trichlorobenzene			ug/kg	U	<0.45	U	<0.26	U	<0.24	U	<0.38	U	<0.23	U
1,2-Dibromo-3-Chloropropane			ug/kg	U	<1.6	U	<0.97	U	<0.87	U	<1.4	U	<0.84	U
1,2-Dibromoethane (Ethylene Dibromide)			ug/kg	U	<0.46	U	<0.27	U	<0.24	U	<0.39	U	<0.23	U
1,2-Dichlorobenzene	500,000	1,000,000	ug/kg	U	<0.24	U	<0.14	U	<0.13	U	<0.20	U	<0.12	U
1,2-Dichloroethane	30,000	60,000	ug/kg	U	<0.42	U	<0.25	U	<0.22	U	<0.36	U	<0.22	U
1,2-Dichloropropane			ug/kg	U	<0.21	U	<0.12	U	<0.11	U	<0.17	U	<0.10	U
1,3-Dichlorobenzene	280,000	560,000	ug/kg	U	<0.24	U	<0.14	U	<0.13	U	<0.21	U	<0.12	U
1,4-Dichlorobenzene	130,000	250,000	ug/kg	U	<0.28	U	<0.17	U	<0.15	U	<0.24	U	<0.14	U
1,4-Dioxane (P-Dioxane)	130,000	250,000	ug/kg	U	<58.0	U	<34.0	U	<31.0	U	<49.0	U	<30.0	U
Methyl Ethyl Ketone (2-Butanone)	500,000	1,000,000	ug/kg	U	15	J	<2.2	U	3.3	J	31		2.8	J
2-Hexanone			ug/kg	U	<2.0	U	<1.1	U	<1.0	U	<1.6	U	<0.99	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)			ug/kg	U	<2.1	U	<1.2	U	<1.1	U	<1.8	U	<1.1	U
Acetone	500,000	1,000,000	ug/kg	J	76		<4.7	U	30		170		13	
Benzene	44,000	89,000	ug/kg	U	<0.27	U	<0.16	U	1.1		0.54	J	0.37	J
Bromochloromethane			ug/kg	U	<0.34	U	<0.20	U	<0.18	U	<0.29	U	<0.17	U
Bromodichloromethane			ug/kg	U	<0.18	U	<0.11	U	<0.10	U	<0.15	U	<0.09	U
Bromoform			ug/kg	U	<0.41	U	<0.24	U	<0.22	U	<0.34	U	<0.21	U
Bromomethane			ug/kg	U	<0.96	U	<0.56	U	<0.51	U	<0.81	U	<0.49	U
Carbon Disulfide			ug/kg	U	<7.5	U	<4.4	U	<4.0	U	<6.4	U	<3.8	U
Carbon Tetrachloride	22,000	44,000	ug/kg	U	<0.38	U	<0.22	U	<0.20	U	<0.32	U	<0.19	U
Chlorobenzene	500,000	1,000,000	ug/kg	U	<0.21	U	<0.12	U	<0.11	U	<0.18	U	<0.11	U
Chloroethane			ug/kg	U	<0.75	U	<0.44	U	<0.40	U	<0.63	U	<0.38	U
Chloroform	350,000	700,000	ug/kg	U	<0.23	U	<0.14	U	<0.12	U	<0.20	U	<0.12	U
Chloromethane			ug/kg	U	<1.5	U	<0.91	U	<0.82	U	<1.3	U	<0.78	U
Cyclohexane			ug/kg	U	<0.90	U	<0.53	U	<0.48	U	<0.76	U	<0.46	U
Dibromochloromethane			ug/kg	U	<0.23	U	<0.14	U	<0.12	U	<0.20	U	<0.12	U
Dichlorodifluoromethane			ug/kg	U	<1.5	U	<0.89	U	<0.80	U	<1.3	U	<0.77	U
Methylene Chloride	500,000	1,000,000	ug/kg	U	<3.8	U	<2.2	U	<2.0	U	<3.2	U	<1.9	U
Ethylbenzene	390,000	780,000	ug/kg	U	<0.23	U	<0.14	U	<0.12	U	<0.20	U	<0.12	U



Table 1
 Fill and Clay Sampling Data
 Storage Tank ST24 Location
 Riverview Innovation Technology Campus, Inc.
 Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	10-06162022	TP-ST24-06-11-06162022	TP-ST24-618-11-06162022	TP-ST24-1824-11-06162022	TP-ST24-06-12-06162022	TP-ST24-618-12-06162022					
	Commercial	Industrial		Sample Date: 2022		6/16/2022		6/16/2022		6/16/2022				
	Sample Interval: 18"			0 - 6"		6" - 18"		18" - 24"		0 - 6"		6" - 18"		
	Formation/Location:			Clay	No. 11 Sand		No. 11 Clay		No. 11 Red Clay		No. 12 Sand		No. 12 Clay	
	Isopropylbenzene (Cumene)			ug/kg	U	<0.18	U	<0.11	U	<0.10	U	<0.15	U	<0.09
Methyl Acetate			ug/kg	U	<1.6	U	<0.92	U	<0.83	U	<1.3	U	<0.80	U
Methyl Tert-Butyl Ether	500,000	1,000,000	ug/kg	U	<0.33	U	<0.20	U	<0.18	U	<0.28	U	<0.17	U
Methylcyclohexane			ug/kg	U	<1.0	U	<0.59	U	<0.53	U	<0.84	U	<0.51	U
Styrene			ug/kg	U	<0.32	U	<0.19	U	<0.17	U	<0.27	U	<0.16	U
Tetrachloroethene	150,000	300,000	ug/kg	U	<0.32	U	<0.19	U	<0.17	U	<0.27	U	<0.16	U
Toluene	500,000	1,000,000	ug/kg	U	<0.90	U	<0.53	U	<0.48	U	2.4	U	<0.46	U
Trichloroethene	200,000	400,000	ug/kg	U	<0.23	U	<0.13	U	<0.12	U	<0.19	U	<0.12	U
Trichlorofluoromethane			ug/kg	U	<1.1	U	<0.68	U	<0.61	U	<0.27	U	<0.58	U
Vinyl Chloride	13,000	27,000	ug/kg	U	<0.55	U	<0.33	U	<0.29	U	<0.47	U	<0.28	U
Cis-1,2-Dichloroethylene	500,000	1,000,000	ug/kg	U	<0.29	U	<0.17	U	<0.15	U	<0.24	U	<0.15	U
Cis-1,3-Dichloropropene			ug/kg	U	<0.26	U	<0.15	U	<0.14	U	<0.22	U	<0.13	U
m,p-Xylene	500,000	1,000,000	ug/kg	U	<0.93	U	<0.54	U	<0.49	U	<0.78	U	<0.47	U
O-Xylene (1,2-Dimethylbenzene)	500,000	1,000,000	ug/kg	U	<0.93	U	<0.28	U	<0.25	U	<0.41	U	<0.24	U
Trans-1,2-Dichloroethene	500,000	1,000,000	ug/kg	U	<0.23	U	<0.13	U	<0.12	U	<0.19	U	<0.12	U
Trans-1,3-Dichloropropene			ug/kg	U	<0.45	U	<0.26	U	<0.24	U	<0.38	U	<0.23	U
TCL SVOCs (SW8270D)														
Acenaphthene	500,000	1,000,000	ug/kg	J	280		<22.0	U	<20.0	U	490		<21.0	U
Hexachlorobenzene	6,000	12,000	ug/kg	U	<30.0	U	<24.0	U	<21.0	U	<28.0	U	<23.0	U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)			ug/kg	U	<36.0	U	<29.0	U	<26.0	U	<33.0	U	<27.0	U
2-Chloronaphthalene			ug/kg	U	<26.0	U	<21.0	U	<19.0	U	<24.0	U	<20.0	U
3,3'-Dichlorobenzidine			ug/kg	U	<71.0	U	<56.0	U	<51.0	U	<65.0	U	<54.0	U
2,4-Dinitrotoluene			ug/kg	U	<53.0	U	<42.0	U	<38.0	U	<49.0	U	<40.0	U
2,6-Dinitrotoluene			ug/kg	U	<46.0	U	<36.0	U	<33.0	U	<42.0	U	<35.0	U
Fluoranthene	500,000	1,000,000	ug/kg		1700		<24.0	U	<22.0	U	5400		68	J
4-Chlorophenyl Phenyl Ether			ug/kg	U	<28.0	U	<23.0	U	<20.0	U	<26.0	U	<22.0	U
4-Bromophenyl Phenyl Ether			ug/kg	U	<40.0	U	<32.0	U	<29.0	U	<38.0	U	<31.0	U
Bis(2-Chloroisopropyl) Ether			ug/kg	U	<45.0	U	<36.0	U	<32.0	U	<42.0	U	<34.0	U
Bis(2-Chloroethoxy) Methane			ug/kg	U	<27.0	U	<21.0	U	<19.0	U	<25.0	U	<20.0	U
Hexachlorobutadiene			ug/kg	U	<39.0	U	<31.0	U	<28.0	U	<36.0	U	<30.0	U
Hexachlorocyclopentadiene			ug/kg	U	<240	U	<190	U	<170	U	<220	U	<180	U
Hexachloroethane			ug/kg	U	<43.0	U	<34.0	U	<31.0	U	<40.0	U	<33.0	U
Isophorone			ug/kg	U	<34.0	U	<28.0	U	<25.0	U	<32.0	U	<26.0	U
Naphthalene	500,000	1,000,000	ug/kg	U	160	J	<26.0	U	<23.0	U	660		<25.0	U
Nitrobenzene			ug/kg	U	<39.0	U	<31.0	U	<28.0	U	<36.0	U	<30.0	U
N-Nitrosodiphenylamine			ug/kg	U	<30.0	U	<24.0	U	<22.0	U	<28.0	U	<23.0	U



Table 1
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 Storage Tank ST24 Location
 Riverview Innovation Technology Campus, Inc.
 Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	0-06162022	TP-ST24-06-11-06162022	TP-ST24-618-11-06162022	TP-ST24-1824-11-06162022	TP-ST24-06-12-06162022	TP-ST24-618-12-06162022					
	Commercial	Industrial		Sample Date: 2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022					
	Sample Interval: 18"			0 - 6"	6" - 18"	18" - 24"	0 - 6"	6" - 18"						
	Formation/Location:			Clay	No. 11 Sand	No. 11 Clay	No. 11 Red Clay	No. 12 Sand	No. 12 Clay					
N-Nitrosodi-N-Propylamine			ug/kg	U	<41.0	U	<33.0	U	<29.0	U	<38.0	U	<31.0	U
Bis(2-Ethylhexyl) Phthalate			ug/kg	U	<92.0	U	<73.0	U	<66.0	U	<85.0	U	<70.0	U
Benzyl Butyl Phthalate			ug/kg	U	<67.0	U	<53.0	U	<48.0	U	<62.0	U	<51.0	U
Di-N-Butyl Phthalate			ug/kg	U	<50.0	U	<40	U	<36.0	U	<47.0	U	<38.0	U
Di-N-Octylphthalate			ug/kg	U	<90.0	U	<72.0	U	<65.0	U	<84.0	U	<69.0	U
Diethyl Phthalate			ug/kg	U	<24.0	U	<20.0	U	<18.0	U	<23.0	U	<19.0	U
Dimethyl Phthalate			ug/kg	U	<56.0	U	<44.0	U	<40.0	U	<52.0	U	<42.0	U
Benzo(A)Anthracene	5,600	11,000	ug/kg	J	1100		<24.0	U	<21.0	U	2800		44	J
Benzo(A)Pyrene	1,000	1,100	ug/kg	J	1800		<52.0	U	<46.0	U	4200		68	J
Benzo(B)Fluoranthene	5,600	11,000	ug/kg		2000		<36.0	U	<32.0	U	4900		73	J
Benzo(K)Fluoranthene	56,000	110,000	ug/kg	J	630		<34.0	U	<30.0	U	1400		<32.0	U
Chrysene	56,000	110,000	ug/kg	J	1200		<22.0	U	<20.0	U	3000		48	J
Acenaphthylene	500,000	1,000,000	ug/kg	U	52	J	<33.0	U	<29.0	U	830		<31.0	U
Anthracene	500,000	1,000,000	ug/kg	U	150	J	<41.0	U	<37.0	U	680		<39.0	U
Benzo(G,H,I)Perylene	500,000	1,000,000	ug/kg	J	1400		<25.0	U	<22.0	U	2900		52	J
Fluorene	500,000	1,000,000	ug/kg	U	72	J	<21.0	U	<18.0	U	370		<20.0	U
Phenanthrene	500,000	1,000,000	ug/kg	J	770		<26.0	U	<23.0	U	2800		32	J
Dibenz(A,H)Anthracene	560	1,100	ug/kg	U	250		<24.0	U	<22.0	U	560		<23.0	U
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	J	1500		<30.0	U	<26.0	U	3300		59	J
Pyrene	500,000	1,000,000	ug/kg		1700		<21.0	U	20	J	4800		61	J
Biphenyl			ug/kg	U	<34.0	U	<28.0	U	<25.0	U	56	J	<26.0	U
4-Chloroaniline			ug/kg	U	<48.0	U	<39.0	U	<35.0	U	<45.0	U	<37.0	U
2-Nitroaniline			ug/kg	U	<51.0	U	<41.0	U	<37.0	U	<47.0	U	<39.0	U
3-Nitroaniline			ug/kg	U	<50.0	U	<40.0	U	<36.0	U	<46.0	U	<38.0	U
4-Nitroaniline			ug/kg	U	<110	U	<88.0	U	<79.0	U	<100	U	<84.0	U
Dibenzofuran	350,000	1,000,000	ug/kg	U	51	J	<20.0	U	<18.0	U	210	J	<19.0	U
2-Methylnaphthalene			ug/kg	U	80	J	<26.0	U	<23.0	U	220	J	<24.0	U
1,2,4,5-Tetrachlorobenzene			ug/kg	U	<28.0	U	<22.0	U	<20.0	U	<26.0	U	<21.0	U
Acetophenone			ug/kg	U	<33.0	U	<26.0	U	<24.0	U	<30.0	U	<25.0	U
2,4,6-Trichlorophenol			ug/kg	U	<50.0	U	<40.0	U	<36.0	U	<47.0	U	<38.0	U
4-Chloro-3-Methylphenol (p-Chloro-m-cresol)			ug/kg	U	<40.0	U	<32.0	U	<28.0	U	<37.0	U	<30.0	U
2-Chlorophenol			ug/kg	U	<31.0	U	<25.0	U	<22.0	U	<29.0	U	<24.0	U
2,4-Dichlorophenol			ug/kg	U	<43.0	U	<34.0	U	<31.0	U	<40.0	U	<32.0	U
2,4-Dimethylphenol			ug/kg	U	<88.0	U	<70.0	U	<63.0	U	<81.0	U	<67.0	U
2-Nitrophenol			ug/kg	U	<100	U	<80.0	U	<72.0	U	<92.0	U	<76.0	U
4-Nitrophenol			ug/kg	U	<110	U	<87.0	U	<78.0	U	<100	U	<82.0	U
2,4-Dinitrophenol			ug/kg	U	<120	U	<99.0	U	<89.0	U	<110	U	<94.0	U



Table 1
 Fill and Clay Sampling Data
 Storage Tank ST24 Location
 Riverview Innovation Technology Campus, Inc.
 Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	0-06162022	TP-ST24-06-11-06162022	TP-ST24-618-11-06162022	TP-ST24-1824-11-06162022	TP-ST24-06-12-06162022	TP-ST24-618-12-06162022					
	Commercial	Industrial		Sample Date: 2022		6/16/2022		6/16/2022		6/16/2022				
	Sample Interval: 18"			18"		0 - 6"		6" - 18"		18" - 24"				
	Formation/Location:			Clay		No. 11 Sand		No. 11 Clay		No. 11 Red Clay				
4,6-Dinitro-o-cresol			ug/kg	U	<130	U	<100	U	<91.0	U	<120	U	<97.0	U
Pentachlorophenol	6,700	55,000	ug/kg	U	<58.0	U	<47.0	U	<42.0	U	<54.0	U	<44.0	U
Phenol	500,000	1,000,000	ug/kg	U	<40.0	U	<32.0	U	<29.0	U	92	J	<30.0	U
2-Methylphenol (O-Cresol)	500,000	1,000,000	ug/kg	U	<41.0	U	<33.0	U	<30.0	U	<38.0	U	<31.0	U
3-Methylphenol/4-Methylphenol (Cresols, M & P)	500,000	1,000,000	ug/kg	U	<42.0	U	<33.0	U	<30.0	U	280	J	<32.0	U
2,4,5-Trichlorophenol			ug/kg	U	<51.0	U	<41.0	U	<36.0	U	<47.0	U	<39.0	U
Carbazole			ug/kg	U	120	J	<21.0	U	<18.0	U	340		<20.0	U
Atrazine			ug/kg	U	<93.0	U	<74.0	U	<67.0	U	<86.0	U	<71.0	U
Benzaldehyde			ug/kg	U	<72.0	U	<57.0	U	<51.0	U	<66.0	U	<54.0	U
Caprolactam			ug/kg	U	<81.0	U	<64.0	U	<58.0	U	<75.0	U	<61.0	U
2,3,4,6-Tetrachlorophenol			ug/kg	U	<54.0	U	<43.0	U	<38.0	U	<50.0	U	<41.0	U
TAL Metals (SW6010)														
Aluminum			mg/kg		7010		10500		8750		10400		9480	
Antimony			mg/kg	U	0.476	J	<0.365	U	<0.333	U	<0.453	U	<0.358	U
Arsenic	16	16	mg/kg		5.70		4.57		3.29		8.05		4.52	
Barium	400	10,000	mg/kg		62.4		94.3		68.1		120		92.9	
Beryllium	590	2,700	mg/kg		0.551	J	0.586		0.420	J	0.513	J	0.481	
Cadmium	9.3	60	mg/kg	J	2.19		0.874	J	0.692	J	1.18	J	0.735	J
Calcium			mg/kg		1740		23800		42600		4610		33300	
Chromium, Total			mg/kg		19.3		14.7		13.1		39.2		13.5	
Cobalt			mg/kg		5.62		8.04		7.06		6.38		9.55	
Copper	270	10,000	mg/kg		31.7		14.8		12.5		27.7		14.8	
Iron			mg/kg		51600		19400		16100		29500		17200	
Lead	1,000	3,900	mg/kg		320		9.87		6.89		208		8.05	
Magnesium			mg/kg		1680		7430		9960		2840		10500	
Manganese	10,000	10,000	mg/kg		92.4		452		369		134		750	
Nickel	310	10,000	mg/kg		15.7		18.3		15.8		18.9		17.6	
Potassium			mg/kg		589		864		808		798		860	
Selenium	1,500	6,800	mg/kg	U	<0.323	U	<0.248	U	<0.226	U	0.334	J	<0.243	U
Silver	1,500	6,800	mg/kg	U	<0.354	U	<0.272	U	<0.248	U	<0.338	U	<0.267	U
Sodium			mg/kg	J	32.1	J	57.1	J	70.5	J	49.5	J	74.2	J
Thallium			mg/kg	U	<0.394	U	<0.302	U	<0.276	U	<0.376	U	<0.297	U
Vanadium			mg/kg		18.6		21.7		18.1		43.3		20.4	
Zinc	10,000	10,000	mg/kg		70.3		48.7		43.0		77.7		43.7	



Table 1
Fill and Clay Sampling Data
Storage Tank ST24 Location
Riverview Innovation Technology Campus, Inc.
Town of Tonawanda, New York

Analytes	Part 375 SCOs		Units	0-06162022	TP-ST24-06-11-06162022	TP-ST24-618-11-06162022	TP-ST24-1824-11-06162022	TP-ST24-06-12-06162022	TP-ST24-618-12-06162022					
	Commercial	Industrial		Sample Date: 2022										
	Sample Interval: 18"						Sample Date: 6/16/2022							
	Formation/Location: Clay						6" - 18"		18" - 24"					
							No. 11 Sand		No. 11 Red Clay		No. 12 Sand		No. 12 Clay	
Mercury (SW7471)														
Mercury	2.8	5.7	mg/kg	J	0.075	J	<0.053	U	<0.048	U	0.076	J	<0.050	U
Cyanide (SW9012B)														
Cyanide	27	10,000	mg/kg	U	<0.32	U	<0.26	U	<0.23	U	0.51	J	<0.24	U
PCBs (8082A)														
PCB-1016 (Aroclor 1016)	1000	25000	ug/kg	U	<4.48	U	<3.63	U	<3.23	U	<4.38	U	<3.50	U
PCB-1221 (Aroclor 1221)	1000	25000	ug/kg	U	<5.06	U	<4.10	U	<3.64	U	<4.94	U	<3.95	U
PCB-1232 (Aroclor 1232)	1000	25000	ug/kg	U	<10.7	U	<8.67	U	<7.71	U	<10.4	U	<8.35	U
PCB-1242 (Aroclor 1242)	1000	25000	ug/kg	U	<6.80	U	<5.51	U	<4.90	U	<6.64	U	<5.31	U
PCB-1248 (Aroclor 1248)	1000	25000	ug/kg	U	<7.57	U	<6.13	U	<5.45	U	<7.39	U	<5.91	U
PCB-1254 (Aroclor 1254)	1000	25000	ug/kg	U	18.8	JP	<4.47	U	<3.98	U	<5.39	U	<4.31	U
PCB-1260 (Aroclor 1260)	1000	25000	ug/kg	U	<9.32	U	<7.55	U	25.6	J	<9.10	U	<7.28	U
PCB-1262 (Aroclor 1262)	1000	25000	ug/kg	U	<6.41	U	<5.19	U	<4.62	U	<6.26	U	<5.00	U
PCB-1268 (Aroclor 1268)	1000	25000	ug/kg	U	<5.23	U	<4.24	U	<323	U	<5.10	U	<4.08	U
Ammonia														
Nitrogen, Ammonia	-	-	mg/kg		3.8	J	3.8	J	2.7	J	11		3.6	J
TCLP Analytes		EPA Maximum Concentration of Contaminants by TCLP												
TCLP Semi-Volatile Organics														
2-Methylphenol (o-Cresol)	7500		ug/l		NS		NS		NS		NS		NS	
2,4,5-Trichlorophenol	400000		ug/l		NS		NS		NS		NS		NS	
2,4,6-Trichlorophenol	2000		ug/l		NS		NS		NS		NS		NS	
2,4-Dinitrotoluene	130		ug/l		NS		NS		NS		NS		NS	
3-Methylphenol/4-Methylphenol (Cresols m&p)	20000		ug/l		NS		NS		NS		NS		NS	
Hexachlorobenzene	130		ug/l		NS		NS		NS		NS		NS	
Hexachlorobutadiene	500		ug/l		NS		NS		NS		NS		NS	
Hexachloroethane	3000		ug/l		NS		NS		NS		NS		NS	
Nitrobenzene	2000		ug/l		NS		NS		NS		NS		NS	
Pentachlorophenol	100000		ug/l		NS		NS		NS		NS		NS	
Pyridine	5000		ug/l		NS		NS		NS		NS		NS	
TCLP Volatile Organics														
1,1-Dichloroethene	500		ug/l		NS		NS		NS		NS		NS	



Table 1
 Fill and Clay Sampling Data
 Storage Tank ST24 Location
 Riverview Innovation Technology Campus, Inc.
 Town of Tonawanda, New York

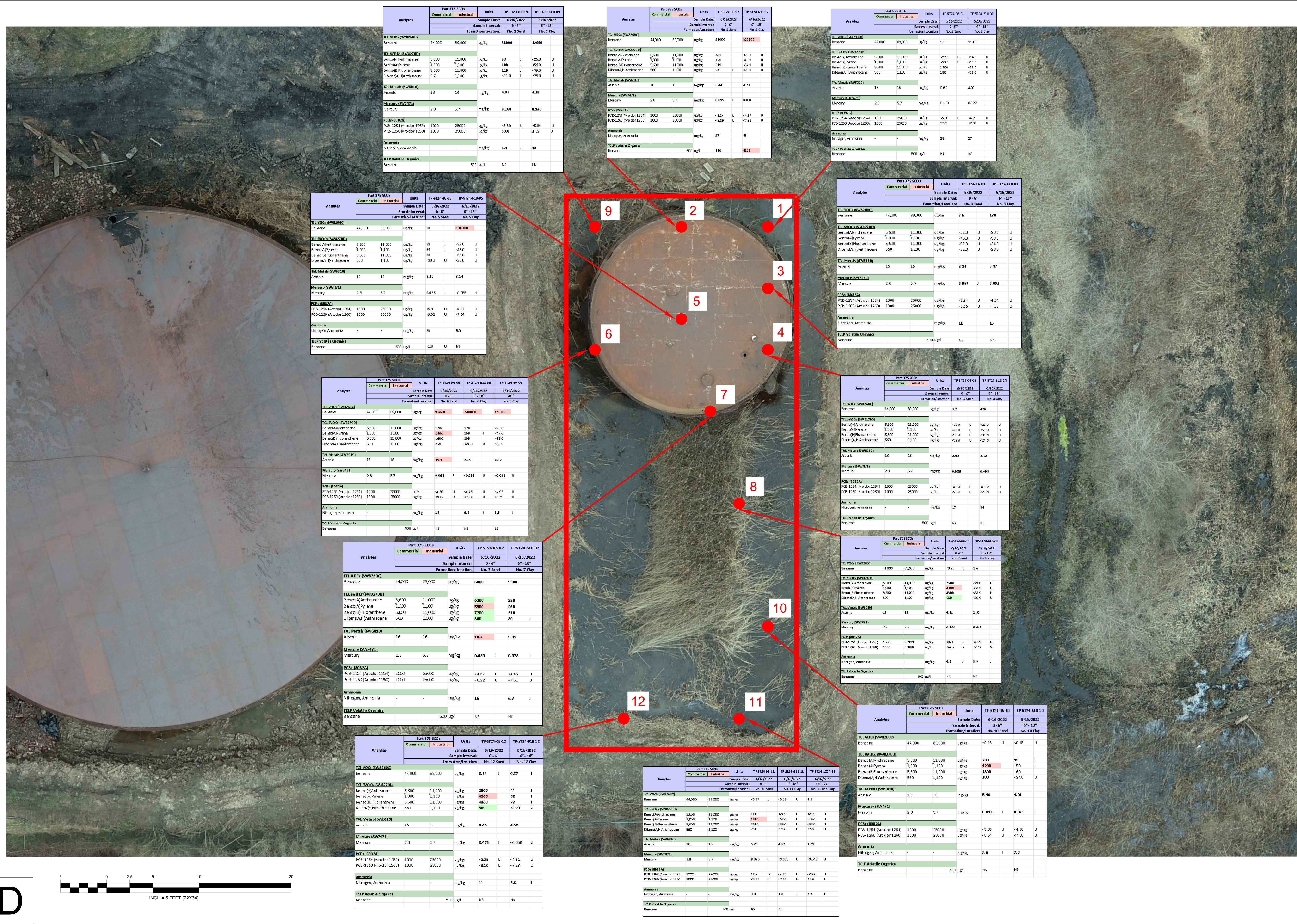
Analytes	Part 375 SCOs		Units	0-06162022	TP-ST24-06-11-06162022	TP-ST24-618-11-06162022	TP-ST24-1824-11-06162022	TP-ST24-06-12-06162022	TP-ST24-618-12-06162022			
	Commercial	Industrial		Sample Date: 2022		6/16/2022		6/16/2022		6/16/2022		
	Sample Interval: 18"			0 - 6"		6" - 18"		18" - 24"		0 - 6"		
	Formation/Location:			Clay	No. 11 Sand		No. 11 Clay		No. 11 Red Clay		No. 12 Sand	
1,2-Dichloroethane	100000		ug/l		NS		NS		NS		NS	
2-Butanone	700		ug/l		NS		NS		NS		NS	
Benzene	500		ug/l		NS		NS		NS		NS	
Carbon Tetrachloride	6000		ug/l		NS		NS		NS		NS	
Chlorobenzene	500		ug/l		NS		NS		NS		NS	
Chloroform	200		ug/l		NS		NS		NS		NS	
Tetrachloroethene	700		ug/l		NS		NS		NS		NS	
Trichloroethene	200000		ug/l		NS		NS		NS		NS	
Vinyl chloride	500		ug/l		NS		NS		NS		NS	
Total Solids												
Total Solids	-		%		62.2		78.2		86.2		65.6	



Table 2
 Comparison and Selection Ammendments, ST24 IRM Pilot Test
 Riverview Innovation Techology Campus, Inc,
 Town of Tonawanda, New York

Regenesis																			
Area	Depth	Volume	Unit Weight	Weight	RegenOx Part A		RegenOx Part B		Water		RegenOx Part A		RegenOx Part B		Water				
SF	FT	CY	PCF	LBS	LBS	%	LBS	%	Gal	%	LBS	%	LBS	%	Gal	%			
Treatment Area 1	1400	2	104	135	378000	2640	0.7%	880	0.2%	6100	12%	Test Plot	880	0.7%	300	0.2%	2040	12%	
Treatment Area 2	640	5	119	135	432000	3320	0.8%	1120	0.3%	6900	12%	Test Plot	1110	0.8%	380	0.3%	2300	12%	
						\$ 3.95 /LB		\$ 3.95 /LB					\$ 3.95 /LB		\$ 3.95 /LB				
						\$ 23,542		\$ 7,900					\$ 7,861		\$ 2,686				
						Shipping and Taxes \$ 3,531		\$ 1,185					\$ 1,179		\$ 403				
						\$ 27,073		\$ 9,085		\$ 162.71 /CY			\$ 9,040		\$ 3,089				
										\$ 89.28 /Ton									
Evonik Klosur KP																			
Area	Depth	Volume	Unit Weight	Weight	Klosure KP		Hydrated Lime		Water		Klosure KP		Hydrated Lime		Water				
SF	FT	CY	PCF	LBS	LBS	%	LBS	%	Gal	%	LBS	%	LBS	%	Gal	%			
Treatment Area 1	1400	2	104	135	378000	8816	2.3%	3000	0.8%	6100	12%		2210	1.7%	1000	0.8%	2040	12%	
Treatment Area 2	640	5	119	135	432000	11020	2.6%	3700	0.9%	6900	12%		2760	1.9%	1240	0.9%	2300	12%	
						\$ 2.00 /LB		\$ 0.60 /LB					\$ 2.00 /LB		\$ 0.60 /LB				
						\$ 39,672		\$ 4,020					\$ 9,940		\$ 1,344				
						Shipping and Taxes \$ 5,951		\$ 603					\$ 1,491		\$ 202				
						\$ 45,623		\$ 4,623		\$ 226.11 /CY			\$ 11,431		\$ 1,546				
										\$ 124.06 /Ton									
Nitrogen																			
Area	Depth	Volume	Unit Weight	Weight	High Nitrogen Fertilizer		Water		High Nitrogen Fertilizer		Water								
SF	FT	CY	PCF	LBS	LBS	%	LBS	%	Gal	%	LBS	%	LBS	%	Gal	%			
Treatment Area 1	1400	2	104	135	378000	5000	1.3%	0	0.0%	6100	12%		1670	1.3%	0	0.0%	2040	12%	
Treatment Area 2	640	5	119	135	432000	6000	1.4%	0	0.0%	6900	12%		2000	1.4%	0	0.0%	2300	12%	
						\$ 1.50 /LB		\$ - /LB					\$ 1.50 /LB		\$ - /LB				
						\$ 16,500		\$ -					\$ 5,505		\$ -				
						Shipping and Taxes \$ 2,475		\$ -					\$ 826		\$ -				
						\$ 18,975		\$ -		\$ 85.39 /CY			\$ 6,331		\$ -				
										\$ 46.85 /Ton									
Control Plot																			
Area	Depth	Volume	Unit Weight	Weight	Water		High Nitrogen Fertilizer		Water										
SF	FT	CY	PCF	LBS	LBS	%	LBS	%	Gal	%	LBS	%	LBS	%	Gal	%			
Treatment Area 1	1400	2	104	135	378000	0	0.0%	0	0.0%	6100	12%		0	0.0%	0	0.0%	2040	12%	
Treatment Area 2	640	5	119	135	432000	0	0.0%	0	0.0%	6900	12%		0	0.0%	0	0.0%	2300	12%	

Figures



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TANK ST24 CHEM BOXES
RIVERVIEW INNOVATION & TECHNOLOGY
CAMPUS, INC.
3875 RIVER ROAD
TONAWANDA, NEW YORK 14150
BCP SITE No. C915353

INVENTUM ENGINEERING
441 CARLISLE DRIVE
SUITE C
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FIGURE 1
DRAWING NUMBER
A016

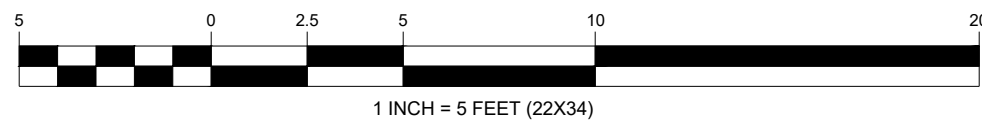


Treatment Depth: 0-60"
 Area: 630 Square Feet
 Volume: 120 CY

Treatment Area 2

Treatment Area 1

Treatment Depth: 0 - 24"
 Area: 1400 Square Feet
 Volume: 100 Cubic Yards



D



TANK ST24 BIOREMEDIATION AREA
 RIVERVIEW INNOVATION & TECHNOLOGY
 CAMPUS, INC.
 3875 RIVER ROAD
 TONAWANDA, NEW YORK 14150
 BCP SITE No. C915353

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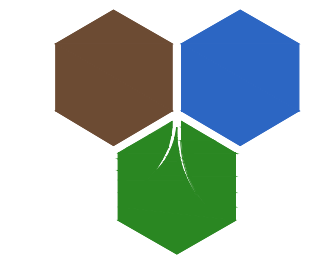


FIGURE 2

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Appendix A – Laboratory Report



ANALYTICAL REPORT

Lab Number:	L2232292
Client:	Inventum Engineering 441 Carlisle Drive Suite C Herndon, NY 20170
ATTN:	John Black
Phone:	(571) 752-6562
Project Name:	RITC
Project Number:	ST24CLOSURE SAMPLING
Report Date:	07/14/22

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Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2232292-01	TP-ST24-06-01-06162022	SOIL	3875 RIVER RD	06/16/22 09:45	06/16/22
L2232292-02	TP-ST24-618-01-06162022	SOIL	3875 RIVER RD	06/16/22 09:45	06/16/22
L2232292-03	TP-ST24-06-02-06162022	SOIL	3875 RIVER RD	06/16/22 10:15	06/16/22
L2232292-04	TP-ST24-618-02-06162022	SOIL	3875 RIVER RD	06/16/22 10:15	06/16/22
L2232292-05	TP-ST24-06-03-06162022	SOIL	3875 RIVER RD	06/16/22 10:30	06/16/22
L2232292-06	TP-ST24-618-03-06162022	SOIL	3875 RIVER RD	06/16/22 10:30	06/16/22
L2232292-07	TP-ST24-06-04-06162022	SOIL	3875 RIVER RD	06/16/22 10:45	06/16/22
L2232292-08	TP-ST24-618-04-06162022	SOIL	3875 RIVER RD	06/16/22 10:45	06/16/22
L2232292-09	TP-ST24-06-05-06162022	SOIL	3875 RIVER RD	06/16/22 11:00	06/16/22
L2232292-10	TP-ST24-618-05-06162022	SOIL	3875 RIVER RD	06/16/22 11:00	06/16/22
L2232292-11	TP-ST24-06-06-06162022	SOIL	3875 RIVER RD	06/16/22 11:15	06/16/22
L2232292-12	TP-ST24-618-06-06162022	SOIL	3875 RIVER RD	06/16/22 11:15	06/16/22
L2232292-13	TP-ST24-06-07-06162022	SOIL	3875 RIVER RD	06/16/22 11:30	06/16/22
L2232292-14	TP-ST24-618-07-06162022	SOIL	3875 RIVER RD	06/16/22 11:30	06/16/22
L2232292-15	TP-ST24-06-08-06162022	SOIL	3875 RIVER RD	06/16/22 11:45	06/16/22
L2232292-16	TP-ST24-618-08-06162022	SOIL	3875 RIVER RD	06/16/22 11:45	06/16/22
L2232292-17	TP-ST24-06-09-06162022	SOIL	3875 RIVER RD	06/16/22 12:00	06/16/22
L2232292-18	TP-ST24-618-09-06162022	SOIL	3875 RIVER RD	06/16/22 12:00	06/16/22
L2232292-19	TP-ST24-06-10-06162022	SOIL	3875 RIVER RD	06/16/22 12:15	06/16/22
L2232292-20	TP-ST24-618-10-06162022	SOIL	3875 RIVER RD	06/16/22 12:15	06/16/22
L2232292-21	TP-ST24-06-11-06162022	SOIL	3875 RIVER RD	06/16/22 13:30	06/16/22
L2232292-22	TP-ST24-618-11-06162022	SOIL	3875 RIVER RD	06/16/22 14:00	06/16/22
L2232292-23	TP-ST24-06-12-06162022	SOIL	3875 RIVER RD	06/16/22 14:15	06/16/22
L2232292-24	TP-ST24-618-12-06162022	SOIL	3875 RIVER RD	06/16/22 14:30	06/16/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2232292-25	TP-ST24-40-06-06162022	SOIL	3875 RIVER RD	06/16/22 10:45	06/16/22
L2232292-26	TP-ST24-1824-11-06162022	SOIL	3875 RIVER RD	06/16/22 13:30	06/16/22

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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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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.

Volatile Organics

L2232292-02: The surrogate recovery is outside the method acceptance criteria for dibromofluoromethane (62%) due to interference with the Internal Standard.

L2232292-02: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (135%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2232292-02D: The surrogate recovery is outside the method acceptance criteria for dibromofluoromethane (69%) due to interference with the Internal Standard.

L2232292-08: The surrogate recoveries were outside the acceptance criteria for dibromofluoromethane (66%) due to obvious interferences. A copy of the chromatogram is included as an attachment to this report. The sample was analyzed as a High Level Methanol in order to quantitate result(s) within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported. Differences were noted between the results of the Volatile Organics by EPA Method 5035/8260 High and Low Level analyses which have been attributed to vial discrepancies.

Total Metals

L2232292-01 through -26: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1659523-3 MS recovery, performed on L2232292-01, is outside the acceptance criteria for copper (61%). A post digestion spike was performed and yielded an unacceptable recovery of 65%. The serial dilution recovery was not acceptable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

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Case Narrative (continued)

The WG1659523-3 MS recoveries for aluminum (586%), calcium (180%), iron (0%) and lead (0%), performed on L2232292-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1659523-3 MS recoveries, performed on L2232292-01, are outside the acceptance criteria for antimony (33%), arsenic (72%), beryllium (68%), cadmium (59%), chromium (67%), cobalt (63%), nickel (63%), selenium (69%), silver (72%), thallium (50%), vanadium (74%) and zinc (54%). A post digestion spike was performed and yielded unacceptable recoveries for antimony (66%), arsenic (70%), beryllium (64%), cadmium (58%), chromium (57%), cobalt (56%), nickel (56%), selenium (68%), silver (59%), thallium (50%), vanadium (64%) and zinc (53%). The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

The WG1659523-4 Laboratory Duplicate RPD for magnesium (22%), performed on L2232292-01, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

The WG1659523-6 serial dilution analysis, associated with L2232292-01, had a %D above the acceptance criteria for aluminum (49%), barium (50%), calcium (54%), copper (46%), iron (71%), lead (61%), magnesium (64%) and manganese (56%).

Cyanide, Total

The WG1654032-2 LCS recovery for cyanide, total (77%), associated with L2232292-01 through -08, and -25, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1656083-2 LCS recovery for cyanide, total (53%), associated with L2232292-09 through -14, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported. The WG1656083-2/-3 LCS/LCSD RPD is above the acceptance criteria for cyanide, total (57%).

The WG1656084-2 LCS recovery for cyanide, total (53%), associated with L2232292-15 through -20, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the

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Case Narrative (continued)

original analyses are reported. The WG1656084-2/-3 LCS/LCSD RPD is above the acceptance criteria for cyanide, total (57%).

The WG1656310-2/-3 LCS/LCSD recoveries for cyanide, total (71%/78%), associated with L2232292-21 through-24 and -26, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature:  Cristin Walker

Title: Technical Director/Representative

Date: 07/14/22

ORGANICS

VOLATILES

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-01
 Client ID: TP-ST24-06-01-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 09:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/29/22 21:51
 Analyst: JC
 Percent Solids: 68%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.5	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	1.5		ug/kg	0.65	0.25	1
Chlorobenzene	ND		ug/kg	0.65	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.90	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.65	0.22	1
Bromodichloromethane	ND		ug/kg	0.65	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.65	0.20	1
Bromoform	ND		ug/kg	5.2	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.65	0.21	1
Benzene	17		ug/kg	0.65	0.21	1
Toluene	2.3		ug/kg	1.3	0.70	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.2	1.2	1
Bromomethane	ND		ug/kg	2.6	0.75	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
Chloroethane	ND		ug/kg	2.6	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.18	1
Trichloroethene	ND		ug/kg	0.65	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1

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Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-01
 Client ID: TP-ST24-06-01-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 09:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	2.3	J	ug/kg	2.6	0.72	1
o-Xylene	1.9		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
Styrene	1.3		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	27		ug/kg	13	6.2	1
Carbon disulfide	ND		ug/kg	13	5.9	1
2-Butanone	ND		ug/kg	13	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	1.3	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.42	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1
Methyl Acetate	ND		ug/kg	5.2	1.2	1
Cyclohexane	3.0	J	ug/kg	13	0.70	1
1,4-Dioxane	ND		ug/kg	100	45.	1
Freon-113	ND		ug/kg	5.2	0.90	1
Methyl cyclohexane	6.4		ug/kg	5.2	0.78	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	72		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	123		70-130
Dibromofluoromethane	75		70-130

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Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-02
 Client ID: TP-ST24-618-01-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 09:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/30/22 02:12
 Analyst: JC
 Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	330	150	1
1,1-Dichloroethane	ND		ug/kg	67	9.7	1
Chloroform	ND		ug/kg	100	9.4	1
Carbon tetrachloride	ND		ug/kg	67	15.	1
1,2-Dichloropropane	ND		ug/kg	67	8.4	1
Dibromochloromethane	ND		ug/kg	67	9.4	1
1,1,2-Trichloroethane	ND		ug/kg	67	18.	1
Tetrachloroethene	740		ug/kg	33	13.	1
Chlorobenzene	ND		ug/kg	33	8.5	1
Trichlorofluoromethane	ND		ug/kg	270	46.	1
1,2-Dichloroethane	ND		ug/kg	67	17.	1
1,1,1-Trichloroethane	ND		ug/kg	33	11.	1
Bromodichloromethane	ND		ug/kg	33	7.3	1
trans-1,3-Dichloropropene	ND		ug/kg	67	18.	1
cis-1,3-Dichloropropene	ND		ug/kg	33	10.	1
Bromoform	ND		ug/kg	270	16.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	33	11.	1
Benzene	26000	E	ug/kg	33	11.	1
Toluene	12000		ug/kg	67	36.	1
Ethylbenzene	25000	E	ug/kg	67	9.4	1
Chloromethane	ND		ug/kg	270	62.	1
Bromomethane	ND		ug/kg	130	39.	1
Vinyl chloride	ND		ug/kg	67	22.	1
Chloroethane	ND		ug/kg	130	30.	1
1,1-Dichloroethene	ND		ug/kg	67	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	100	9.2	1
Trichloroethene	ND		ug/kg	33	9.2	1
1,2-Dichlorobenzene	ND		ug/kg	130	9.6	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-02
 Client ID: TP-ST24-618-01-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 09:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	130	9.9	1
1,4-Dichlorobenzene	ND		ug/kg	130	11.	1
Methyl tert butyl ether	ND		ug/kg	130	13.	1
p/m-Xylene	46000	E	ug/kg	130	37.	1
o-Xylene	8400		ug/kg	67	19.	1
cis-1,2-Dichloroethene	ND		ug/kg	67	12.	1
Styrene	3100		ug/kg	67	13.	1
Dichlorodifluoromethane	ND		ug/kg	670	61.	1
Acetone	ND		ug/kg	670	320	1
Carbon disulfide	ND		ug/kg	670	300	1
2-Butanone	ND		ug/kg	670	150	1
4-Methyl-2-pentanone	ND		ug/kg	670	86.	1
2-Hexanone	ND		ug/kg	670	79.	1
Bromochloromethane	ND		ug/kg	130	14.	1
1,2-Dibromoethane	ND		ug/kg	67	19.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	67.	1
Isopropylbenzene	280		ug/kg	67	7.3	1
1,2,3-Trichlorobenzene	ND		ug/kg	130	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	130	18.	1
Methyl Acetate	ND		ug/kg	270	64.	1
Cyclohexane	670		ug/kg	670	36.	1
1,4-Dioxane	ND		ug/kg	5300	2300	1
Freon-113	ND		ug/kg	270	46.	1
Methyl cyclohexane	1100		ug/kg	270	40.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	78		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	135	Q	70-130
Dibromofluoromethane	62	Q	70-130

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Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-02 D
 Client ID: TP-ST24-618-01-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 09:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/29/22 00:28
 Analyst: JC
 Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Benzene	31000		ug/kg	67	22.	2
Ethylbenzene	25000		ug/kg	130	19.	2
p/m-Xylene	51000		ug/kg	270	75.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	81		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	122		70-130
Dibromofluoromethane	69	Q	70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-03
 Client ID: TP-ST24-06-02-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/01/22 13:33
 Analyst: MM
 Percent Solids: 67%
 TCLP/SPLP Ext. Date: 06/29/22 12:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
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	86		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	106		70-130
dibromofluoromethane	87		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-03
 Client ID: TP-ST24-06-02-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/30/22 02:38
 Analyst: JC
 Percent Solids: 67%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	510	230	1
1,1-Dichloroethane	ND		ug/kg	100	15.	1
Chloroform	ND		ug/kg	150	14.	1
Carbon tetrachloride	ND		ug/kg	100	23.	1
1,2-Dichloropropane	ND		ug/kg	100	13.	1
Dibromochloromethane	ND		ug/kg	100	14.	1
1,1,2-Trichloroethane	ND		ug/kg	100	27.	1
Tetrachloroethene	ND		ug/kg	51	20.	1
Chlorobenzene	ND		ug/kg	51	13.	1
Trichlorofluoromethane	ND		ug/kg	410	71.	1
1,2-Dichloroethane	ND		ug/kg	100	26.	1
1,1,1-Trichloroethane	ND		ug/kg	51	17.	1
Bromodichloromethane	ND		ug/kg	51	11.	1
trans-1,3-Dichloropropene	ND		ug/kg	100	28.	1
cis-1,3-Dichloropropene	ND		ug/kg	51	16.	1
Bromoform	ND		ug/kg	410	25.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	51	17.	1
Benzene	39000	E	ug/kg	51	17.	1
Toluene	1500		ug/kg	100	55.	1
Ethylbenzene	2400		ug/kg	100	14.	1
Chloromethane	ND		ug/kg	410	95.	1
Bromomethane	ND		ug/kg	200	59.	1
Vinyl chloride	ND		ug/kg	100	34.	1
Chloroethane	ND		ug/kg	200	46.	1
1,1-Dichloroethene	ND		ug/kg	100	24.	1
trans-1,2-Dichloroethene	ND		ug/kg	150	14.	1
Trichloroethene	68		ug/kg	51	14.	1
1,2-Dichlorobenzene	ND		ug/kg	200	15.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLI

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-03
 Client ID: TP-ST24-06-02-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	200	15.	1
1,4-Dichlorobenzene	ND		ug/kg	200	17.	1
Methyl tert butyl ether	ND		ug/kg	200	20.	1
p/m-Xylene	1500		ug/kg	200	57.	1
o-Xylene	610		ug/kg	100	30.	1
cis-1,2-Dichloroethene	ND		ug/kg	100	18.	1
Styrene	360		ug/kg	100	20.	1
Dichlorodifluoromethane	ND		ug/kg	1000	93.	1
Acetone	ND		ug/kg	1000	490	1
Carbon disulfide	ND		ug/kg	1000	460	1
2-Butanone	ND		ug/kg	1000	220	1
4-Methyl-2-pentanone	ND		ug/kg	1000	130	1
2-Hexanone	ND		ug/kg	1000	120	1
Bromochloromethane	ND		ug/kg	200	21.	1
1,2-Dibromoethane	ND		ug/kg	100	28.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	300	100	1
Isopropylbenzene	22	J	ug/kg	100	11.	1
1,2,3-Trichlorobenzene	ND		ug/kg	200	33.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	28.	1
Methyl Acetate	940		ug/kg	410	97.	1
Cyclohexane	ND		ug/kg	1000	55.	1
1,4-Dioxane	ND		ug/kg	8100	3600	1
Freon-113	ND		ug/kg	410	70.	1
Methyl cyclohexane	ND		ug/kg	410	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	88		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-03 D
 Client ID: TP-ST24-06-02-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/29/22 00:54
 Analyst: JC
 Percent Solids: 67%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Benzene	41000		ug/kg	100	34.	2
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	94		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-04
 Client ID: TP-ST24-618-02-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/01/22 16:21
 Analyst: MM
 Percent Solids: 81%
 TCLP/SPLP Ext. Date: 06/29/22 12:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	3.6	J	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	3400	E	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	77		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	115		70-130
dibromofluoromethane	74		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-04 D2
 Client ID: TP-ST24-618-02-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/30/22 03:04
 Analyst: JC
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	3300	1500	10
1,1-Dichloroethane	ND		ug/kg	650	94.	10
Chloroform	ND		ug/kg	980	91.	10
Carbon tetrachloride	ND		ug/kg	650	150	10
1,2-Dichloropropane	ND		ug/kg	650	82.	10
Dibromochloromethane	ND		ug/kg	650	91.	10
1,1,2-Trichloroethane	ND		ug/kg	650	170	10
Tetrachloroethene	330		ug/kg	330	130	10
Chlorobenzene	ND		ug/kg	330	83.	10
Trichlorofluoromethane	ND		ug/kg	2600	450	10
1,2-Dichloroethane	ND		ug/kg	650	170	10
1,1,1-Trichloroethane	ND		ug/kg	330	110	10
Bromodichloromethane	ND		ug/kg	330	71.	10
trans-1,3-Dichloropropene	ND		ug/kg	650	180	10
cis-1,3-Dichloropropene	ND		ug/kg	330	100	10
Bromoform	ND		ug/kg	2600	160	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	330	110	10
Benzene	300000	E	ug/kg	330	110	10
Toluene	74000		ug/kg	650	350	10
Ethylbenzene	22000		ug/kg	650	92.	10
Chloromethane	ND		ug/kg	2600	610	10
Bromomethane	ND		ug/kg	1300	380	10
Vinyl chloride	ND		ug/kg	650	220	10
Chloroethane	ND		ug/kg	1300	290	10
1,1-Dichloroethene	ND		ug/kg	650	160	10
trans-1,2-Dichloroethene	ND		ug/kg	980	89.	10
Trichloroethene	ND		ug/kg	330	89.	10
1,2-Dichlorobenzene	ND		ug/kg	1300	94.	10

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-04 D2
 Client ID: TP-ST24-618-02-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1300	96.	10
1,4-Dichlorobenzene	ND		ug/kg	1300	110	10
Methyl tert butyl ether	ND		ug/kg	1300	130	10
p/m-Xylene	52000		ug/kg	1300	360	10
o-Xylene	9300		ug/kg	650	190	10
cis-1,2-Dichloroethene	ND		ug/kg	650	110	10
Styrene	4400		ug/kg	650	130	10
Dichlorodifluoromethane	ND		ug/kg	6500	600	10
Acetone	ND		ug/kg	6500	3100	10
Carbon disulfide	ND		ug/kg	6500	3000	10
2-Butanone	ND		ug/kg	6500	1400	10
4-Methyl-2-pentanone	ND		ug/kg	6500	830	10
2-Hexanone	ND		ug/kg	6500	770	10
Bromochloromethane	ND		ug/kg	1300	130	10
1,2-Dibromoethane	ND		ug/kg	650	180	10
1,2-Dibromo-3-chloropropane	ND		ug/kg	2000	650	10
Isopropylbenzene	260	J	ug/kg	650	71.	10
1,2,3-Trichlorobenzene	ND		ug/kg	1300	210	10
1,2,4-Trichlorobenzene	ND		ug/kg	1300	180	10
Methyl Acetate	ND		ug/kg	2600	620	10
Cyclohexane	1400	J	ug/kg	6500	350	10
1,4-Dioxane	ND		ug/kg	52000	23000	10
Freon-113	ND		ug/kg	2600	450	10
Methyl cyclohexane	1700	J	ug/kg	2600	390	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	80		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	82		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-04 D
 Client ID: TP-ST24-618-02-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 07/01/22 15:39
 Analyst: MM
 Percent Solids: 81%
 TCLP/SPLP Ext. Date: 06/29/22 12:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Benzene	4100		ug/l	50	16.	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	107		70-130
dibromofluoromethane	83		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-04 D
 Client ID: TP-ST24-618-02-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/29/22 01:20
 Analyst: JC
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Benzene	320000		ug/kg	650	220	20
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	89		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-05
 Client ID: TP-ST24-06-03-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/29/22 22:17
 Analyst: JC
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.3	1
1,1-Dichloroethane	ND		ug/kg	0.99	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.99	0.23	1
1,2-Dichloropropane	ND		ug/kg	0.99	0.12	1
Dibromochloromethane	ND		ug/kg	0.99	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.99	0.26	1
Tetrachloroethene	ND		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.69	1
1,2-Dichloroethane	ND		ug/kg	0.99	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.16	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	3.6		ug/kg	0.49	0.16	1
Toluene	1.1		ug/kg	0.99	0.54	1
Ethylbenzene	44		ug/kg	0.99	0.14	1
Chloromethane	ND		ug/kg	4.0	0.92	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.99	0.33	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	0.99	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1
Trichloroethene	ND		ug/kg	0.49	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLI

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-05
 Client ID: TP-ST24-06-03-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	3.7		ug/kg	2.0	0.55	1
o-Xylene	3.3		ug/kg	0.99	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.17	1
Styrene	ND		ug/kg	0.99	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.9	0.90	1
Acetone	16		ug/kg	9.9	4.8	1
Carbon disulfide	ND		ug/kg	9.9	4.5	1
2-Butanone	ND		ug/kg	9.9	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	9.9	1.3	1
2-Hexanone	ND		ug/kg	9.9	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.99	0.28	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	0.99	1
Isopropylbenzene	1.2		ug/kg	0.99	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
Methyl Acetate	ND		ug/kg	4.0	0.94	1
Cyclohexane	2.7	J	ug/kg	9.9	0.54	1
1,4-Dioxane	ND		ug/kg	79	35.	1
Freon-113	ND		ug/kg	4.0	0.68	1
Methyl cyclohexane	8.1		ug/kg	4.0	0.60	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	82		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-06
 Client ID: TP-ST24-618-03-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/28/22 21:24
 Analyst: JC
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.87	0.13	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.87	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.87	0.11	1
Dibromochloromethane	ND		ug/kg	0.87	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.87	0.23	1
Tetrachloroethene	ND		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.60	1
1,2-Dichloroethane	ND		ug/kg	0.87	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.44	0.14	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.87	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.5	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.14	1
Benzene	170		ug/kg	0.44	0.14	1
Toluene	6.8		ug/kg	0.87	0.47	1
Ethylbenzene	58		ug/kg	0.87	0.12	1
Chloromethane	ND		ug/kg	3.5	0.81	1
Bromomethane	ND		ug/kg	1.7	0.51	1
Vinyl chloride	ND		ug/kg	0.87	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	ND		ug/kg	0.87	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1
Trichloroethene	ND		ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-06
 Client ID: TP-ST24-618-03-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.18	1
p/m-Xylene	12		ug/kg	1.7	0.49	1
o-Xylene	2.2		ug/kg	0.87	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.87	0.15	1
Styrene	0.73	J	ug/kg	0.87	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.7	0.80	1
Acetone	48		ug/kg	8.7	4.2	1
Carbon disulfide	ND		ug/kg	8.7	4.0	1
2-Butanone	7.2	J	ug/kg	8.7	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.7	1.1	1
2-Hexanone	ND		ug/kg	8.7	1.0	1
Bromochloromethane	ND		ug/kg	1.7	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.87	0.24	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.87	1
Isopropylbenzene	0.45	J	ug/kg	0.87	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.24	1
Methyl Acetate	ND		ug/kg	3.5	0.83	1
Cyclohexane	10		ug/kg	8.7	0.47	1
1,4-Dioxane	ND		ug/kg	70	30.	1
Freon-113	ND		ug/kg	3.5	0.60	1
Methyl cyclohexane	12		ug/kg	3.5	0.52	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	95		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-07
 Client ID: TP-ST24-06-04-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/29/22 22:43
 Analyst: JC
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.5	3.4	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.22	1
Chloroform	ND		ug/kg	2.3	0.21	1
Carbon tetrachloride	ND		ug/kg	1.5	0.35	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.19	1
Dibromochloromethane	ND		ug/kg	1.5	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.40	1
Tetrachloroethene	ND		ug/kg	0.75	0.30	1
Chlorobenzene	ND		ug/kg	0.75	0.19	1
Trichlorofluoromethane	ND		ug/kg	6.0	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.39	1
1,1,1-Trichloroethane	ND		ug/kg	0.75	0.25	1
Bromodichloromethane	ND		ug/kg	0.75	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.41	1
cis-1,3-Dichloropropene	ND		ug/kg	0.75	0.24	1
Bromoform	ND		ug/kg	6.0	0.37	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.75	0.25	1
Benzene	3.7		ug/kg	0.75	0.25	1
Toluene	ND		ug/kg	1.5	0.82	1
Ethylbenzene	3.0		ug/kg	1.5	0.21	1
Chloromethane	ND		ug/kg	6.0	1.4	1
Bromomethane	ND		ug/kg	3.0	0.88	1
Vinyl chloride	ND		ug/kg	1.5	0.50	1
Chloroethane	ND		ug/kg	3.0	0.68	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.21	1
Trichloroethene	ND		ug/kg	0.75	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	3.0	0.22	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-07
 Client ID: TP-ST24-06-04-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	3.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	3.0	0.26	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.30	1
p/m-Xylene	1.2	J	ug/kg	3.0	0.84	1
o-Xylene	ND		ug/kg	1.5	0.44	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.26	1
Styrene	ND		ug/kg	1.5	0.30	1
Dichlorodifluoromethane	ND		ug/kg	15	1.4	1
Acetone	76		ug/kg	15	7.2	1
Carbon disulfide	ND		ug/kg	15	6.8	1
2-Butanone	6.4	J	ug/kg	15	3.3	1
4-Methyl-2-pentanone	ND		ug/kg	15	1.9	1
2-Hexanone	ND		ug/kg	15	1.8	1
Bromochloromethane	ND		ug/kg	3.0	0.31	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.42	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.5	1.5	1
Isopropylbenzene	0.79	J	ug/kg	1.5	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.0	0.48	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.0	0.41	1
Methyl Acetate	ND		ug/kg	6.0	1.4	1
Cyclohexane	ND		ug/kg	15	0.82	1
1,4-Dioxane	ND		ug/kg	120	53.	1
Freon-113	ND		ug/kg	6.0	1.0	1
Methyl cyclohexane	1.9	J	ug/kg	6.0	0.91	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	97		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-08
 Client ID: TP-ST24-618-04-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/29/22 02:39
 Analyst: JC
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
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	13.	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	420		ug/kg	32	11.	1
Toluene	ND		ug/kg	64	35.	1
Ethylbenzene	2100		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: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-08
 Client ID: TP-ST24-618-04-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 High - Westborough Lab						
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	220		ug/kg	130	36.	1
o-Xylene	31	J	ug/kg	64	19.	1
cis-1,2-Dichloroethene	ND		ug/kg	64	11.	1
Styrene	ND		ug/kg	64	13.	1
Dichlorodifluoromethane	ND		ug/kg	640	59.	1
Acetone	ND		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	33	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	ND		ug/kg	260	61.	1
Cyclohexane	92	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	93		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	93		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-08
 Client ID: TP-ST24-618-04-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/29/22 23:09
 Analyst: JC
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.92	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.92	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.92	0.11	1
Dibromochloromethane	ND		ug/kg	0.92	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	0.24	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.14	1
Bromoform	ND		ug/kg	3.7	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	140		ug/kg	0.46	0.15	1
Toluene	9.6		ug/kg	0.92	0.50	1
Ethylbenzene	420	E	ug/kg	0.92	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.53	1
Vinyl chloride	ND		ug/kg	0.92	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.12	1
Trichloroethene	ND		ug/kg	0.46	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLI

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-08
 Client ID: TP-ST24-618-04-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	36		ug/kg	1.8	0.51	1
o-Xylene	6.3		ug/kg	0.92	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.16	1
Styrene	0.42	J	ug/kg	0.92	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.84	1
Acetone	35		ug/kg	9.2	4.4	1
Carbon disulfide	ND		ug/kg	9.2	4.2	1
2-Butanone	ND		ug/kg	9.2	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	1.2	1
2-Hexanone	ND		ug/kg	9.2	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.92	0.26	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Isopropylbenzene	6.6		ug/kg	0.92	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
Methyl Acetate	ND		ug/kg	3.7	0.87	1
Cyclohexane	36		ug/kg	9.2	0.50	1
1,4-Dioxane	ND		ug/kg	73	32.	1
Freon-113	ND		ug/kg	3.7	0.64	1
Methyl cyclohexane	60		ug/kg	3.7	0.55	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	66	Q	70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-09
 Client ID: TP-ST24-06-05-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/30/22 12:03
 Analyst:
 Percent Solids: 62%
 TCLP/SPLP Ext. Date: 06/29/22 12:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
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	ND		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	94		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	111		70-130
dibromofluoromethane	94		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-09
 Client ID: TP-ST24-06-05-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/28/22 21:50
 Analyst: JC
 Percent Solids: 62%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	58		ug/kg	0.53	0.18	1
Toluene	4.3		ug/kg	1.1	0.58	1
Ethylbenzene	160		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1
Trichloroethene	ND		ug/kg	0.53	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-09
 Client ID: TP-ST24-06-05-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.22	1
p/m-Xylene	5.2		ug/kg	2.1	0.60	1
o-Xylene	3.4		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	74		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	15		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Isopropylbenzene	1.4		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
Methyl Acetate	ND		ug/kg	4.3	1.0	1
Cyclohexane	6.1	J	ug/kg	11	0.58	1
1,4-Dioxane	ND		ug/kg	86	38.	1
Freon-113	ND		ug/kg	4.3	0.74	1
Methyl cyclohexane	9.9		ug/kg	4.3	0.64	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	84		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-10 D2
 Client ID: TP-ST24-618-05-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/30/22 03:31
 Analyst: JC
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	1300	610	5
1,1-Dichloroethane	ND		ug/kg	270	38.	5
Chloroform	ND		ug/kg	400	37.	5
Carbon tetrachloride	ND		ug/kg	270	61.	5
1,2-Dichloropropane	ND		ug/kg	270	33.	5
Dibromochloromethane	ND		ug/kg	270	37.	5
1,1,2-Trichloroethane	ND		ug/kg	270	71.	5
Tetrachloroethene	89	J	ug/kg	130	52.	5
Chlorobenzene	ND		ug/kg	130	34.	5
Trichlorofluoromethane	ND		ug/kg	1100	180	5
1,2-Dichloroethane	ND		ug/kg	270	68.	5
1,1,1-Trichloroethane	ND		ug/kg	130	44.	5
Bromodichloromethane	ND		ug/kg	130	29.	5
trans-1,3-Dichloropropene	ND		ug/kg	270	73.	5
cis-1,3-Dichloropropene	ND		ug/kg	130	42.	5
Bromoform	ND		ug/kg	1100	65.	5
1,1,2,2-Tetrachloroethane	ND		ug/kg	130	44.	5
Benzene	120000	E	ug/kg	130	44.	5
Toluene	32000		ug/kg	270	140	5
Ethylbenzene	5000		ug/kg	270	38.	5
Chloromethane	ND		ug/kg	1100	250	5
Bromomethane	ND		ug/kg	530	150	5
Vinyl chloride	ND		ug/kg	270	89.	5
Chloroethane	ND		ug/kg	530	120	5
1,1-Dichloroethene	ND		ug/kg	270	63.	5
trans-1,2-Dichloroethene	ND		ug/kg	400	36.	5
Trichloroethene	ND		ug/kg	130	36.	5
1,2-Dichlorobenzene	ND		ug/kg	530	38.	5

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-10 D2
 Client ID: TP-ST24-618-05-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	530	39.	5
1,4-Dichlorobenzene	ND		ug/kg	530	46.	5
Methyl tert butyl ether	ND		ug/kg	530	53.	5
p/m-Xylene	9800		ug/kg	530	150	5
o-Xylene	2300		ug/kg	270	77.	5
cis-1,2-Dichloroethene	ND		ug/kg	270	46.	5
Styrene	2400		ug/kg	270	52.	5
Dichlorodifluoromethane	ND		ug/kg	2700	240	5
Acetone	ND		ug/kg	2700	1300	5
Carbon disulfide	ND		ug/kg	2700	1200	5
2-Butanone	ND		ug/kg	2700	590	5
4-Methyl-2-pentanone	ND		ug/kg	2700	340	5
2-Hexanone	ND		ug/kg	2700	310	5
Bromochloromethane	ND		ug/kg	530	54.	5
1,2-Dibromoethane	ND		ug/kg	270	74.	5
1,2-Dibromo-3-chloropropane	ND		ug/kg	800	260	5
Isopropylbenzene	31	J	ug/kg	270	29.	5
1,2,3-Trichlorobenzene	ND		ug/kg	530	86.	5
1,2,4-Trichlorobenzene	ND		ug/kg	530	72.	5
Methyl Acetate	ND		ug/kg	1100	250	5
Cyclohexane	660	J	ug/kg	2700	140	5
1,4-Dioxane	ND		ug/kg	21000	9300	5
Freon-113	ND		ug/kg	1100	180	5
Methyl cyclohexane	550	J	ug/kg	1100	160	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	81		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	86		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-10 D
 Client ID: TP-ST24-618-05-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/29/22 03:05
 Analyst: JC
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Benzene	130000		ug/kg	270	88.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	93		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-11 D2
 Client ID: TP-ST24-06-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/30/22 03:57
 Analyst: JC
 Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	1100	520	2.5
1,1-Dichloroethane	ND		ug/kg	230	33.	2.5
Chloroform	ND		ug/kg	340	32.	2.5
Carbon tetrachloride	ND		ug/kg	230	53.	2.5
1,2-Dichloropropane	ND		ug/kg	230	29.	2.5
Dibromochloromethane	ND		ug/kg	230	32.	2.5
1,1,2-Trichloroethane	ND		ug/kg	230	61.	2.5
Tetrachloroethene	ND		ug/kg	110	45.	2.5
Chlorobenzene	ND		ug/kg	110	29.	2.5
Trichlorofluoromethane	ND		ug/kg	920	160	2.5
1,2-Dichloroethane	ND		ug/kg	230	59.	2.5
1,1,1-Trichloroethane	ND		ug/kg	110	38.	2.5
Bromodichloromethane	ND		ug/kg	110	25.	2.5
trans-1,3-Dichloropropene	ND		ug/kg	230	62.	2.5
cis-1,3-Dichloropropene	ND		ug/kg	110	36.	2.5
Bromoform	ND		ug/kg	920	56.	2.5
1,1,2,2-Tetrachloroethane	ND		ug/kg	110	38.	2.5
Benzene	89000	E	ug/kg	110	38.	2.5
Toluene	8400		ug/kg	230	120	2.5
Ethylbenzene	5700		ug/kg	230	32.	2.5
Chloromethane	ND		ug/kg	920	210	2.5
Bromomethane	ND		ug/kg	460	130	2.5
Vinyl chloride	ND		ug/kg	230	77.	2.5
Chloroethane	ND		ug/kg	460	100	2.5
1,1-Dichloroethene	ND		ug/kg	230	54.	2.5
trans-1,2-Dichloroethene	ND		ug/kg	340	31.	2.5
Trichloroethene	ND		ug/kg	110	31.	2.5
1,2-Dichlorobenzene	ND		ug/kg	460	33.	2.5

Project Name: RITC
Project Number: ST24CLOSURE SAMPLI

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-11 D2
 Client ID: TP-ST24-06-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	460	34.	2.5
1,4-Dichlorobenzene	ND		ug/kg	460	39.	2.5
Methyl tert butyl ether	ND		ug/kg	460	46.	2.5
p/m-Xylene	8500		ug/kg	460	130	2.5
o-Xylene	1900		ug/kg	230	67.	2.5
cis-1,2-Dichloroethene	ND		ug/kg	230	40.	2.5
Styrene	730		ug/kg	230	45.	2.5
Dichlorodifluoromethane	ND		ug/kg	2300	210	2.5
Acetone	1600	J	ug/kg	2300	1100	2.5
Carbon disulfide	ND		ug/kg	2300	1000	2.5
2-Butanone	ND		ug/kg	2300	510	2.5
4-Methyl-2-pentanone	ND		ug/kg	2300	290	2.5
2-Hexanone	ND		ug/kg	2300	270	2.5
Bromochloromethane	ND		ug/kg	460	47.	2.5
1,2-Dibromoethane	ND		ug/kg	230	64.	2.5
1,2-Dibromo-3-chloropropane	ND		ug/kg	690	230	2.5
Isopropylbenzene	46	J	ug/kg	230	25.	2.5
1,2,3-Trichlorobenzene	ND		ug/kg	460	74.	2.5
1,2,4-Trichlorobenzene	ND		ug/kg	460	62.	2.5
Methyl Acetate	1200		ug/kg	920	220	2.5
Cyclohexane	ND		ug/kg	2300	120	2.5
1,4-Dioxane	ND		ug/kg	18000	8000	2.5
Freon-113	ND		ug/kg	920	160	2.5
Methyl cyclohexane	ND		ug/kg	920	140	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	89		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-11 D
 Client ID: TP-ST24-06-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/29/22 03:31
 Analyst: JC
 Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Benzene	98000		ug/kg	460	150	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	97		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-12 D2
 Client ID: TP-ST24-618-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/30/22 04:23
 Analyst: JC
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	2700	1200	10
1,1-Dichloroethane	ND		ug/kg	550	80.	10
Chloroform	ND		ug/kg	820	77.	10
Carbon tetrachloride	ND		ug/kg	550	130	10
1,2-Dichloropropane	ND		ug/kg	550	69.	10
Dibromochloromethane	ND		ug/kg	550	77.	10
1,1,2-Trichloroethane	ND		ug/kg	550	150	10
Tetrachloroethene	330		ug/kg	270	110	10
Chlorobenzene	ND		ug/kg	270	70.	10
Trichlorofluoromethane	ND		ug/kg	2200	380	10
1,2-Dichloroethane	ND		ug/kg	550	140	10
1,1,1-Trichloroethane	ND		ug/kg	270	92.	10
Bromodichloromethane	ND		ug/kg	270	60.	10
trans-1,3-Dichloropropene	ND		ug/kg	550	150	10
cis-1,3-Dichloropropene	ND		ug/kg	270	87.	10
Bromoform	ND		ug/kg	2200	140	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	270	91.	10
Benzene	120000		ug/kg	270	91.	10
Toluene	230000	E	ug/kg	550	300	10
Ethylbenzene	14000		ug/kg	550	77.	10
Chloromethane	ND		ug/kg	2200	510	10
Bromomethane	ND		ug/kg	1100	320	10
Vinyl chloride	ND		ug/kg	550	180	10
Chloroethane	ND		ug/kg	1100	250	10
1,1-Dichloroethene	ND		ug/kg	550	130	10
trans-1,2-Dichloroethene	ND		ug/kg	820	75.	10
Trichloroethene	ND		ug/kg	270	75.	10
1,2-Dichlorobenzene	ND		ug/kg	1100	79.	10

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-12 D2
 Client ID: TP-ST24-618-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1100	81.	10
1,4-Dichlorobenzene	ND		ug/kg	1100	94.	10
Methyl tert butyl ether	ND		ug/kg	1100	110	10
p/m-Xylene	59000		ug/kg	1100	310	10
o-Xylene	18000		ug/kg	550	160	10
cis-1,2-Dichloroethene	ND		ug/kg	550	96.	10
Styrene	22000		ug/kg	550	110	10
Dichlorodifluoromethane	ND		ug/kg	5500	500	10
Acetone	ND		ug/kg	5500	2600	10
Carbon disulfide	ND		ug/kg	5500	2500	10
2-Butanone	ND		ug/kg	5500	1200	10
4-Methyl-2-pentanone	ND		ug/kg	5500	700	10
2-Hexanone	ND		ug/kg	5500	650	10
Bromochloromethane	ND		ug/kg	1100	110	10
1,2-Dibromoethane	ND		ug/kg	550	150	10
1,2-Dibromo-3-chloropropane	ND		ug/kg	1600	550	10
Isopropylbenzene	160	J	ug/kg	550	60.	10
1,2,3-Trichlorobenzene	ND		ug/kg	1100	180	10
1,2,4-Trichlorobenzene	ND		ug/kg	1100	150	10
Methyl Acetate	ND		ug/kg	2200	520	10
Cyclohexane	1100	J	ug/kg	5500	300	10
1,4-Dioxane	ND		ug/kg	44000	19000	10
Freon-113	ND		ug/kg	2200	380	10
Methyl cyclohexane	1000	J	ug/kg	2200	330	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	75		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	78		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-12 D
 Client ID: TP-ST24-618-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/29/22 03:57
 Analyst: JC
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Toluene	240000		ug/kg	1100	600	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	81		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	82		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-13
 Client ID: TP-ST24-06-07-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/29/22 04:23
 Analyst: JC
 Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
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	ND		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	6800		ug/kg	38	13.	1
Toluene	470		ug/kg	76	42.	1
Ethylbenzene	580		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: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-13
 Client ID: TP-ST24-06-07-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	150	11.	1
1,4-Dichlorobenzene	ND		ug/kg	150	13.	1
Methyl tert butyl ether	16	J	ug/kg	150	15.	1
p/m-Xylene	340		ug/kg	150	43.	1
o-Xylene	91		ug/kg	76	22.	1
cis-1,2-Dichloroethene	ND		ug/kg	76	13.	1
Styrene	ND		ug/kg	76	15.	1
Dichlorodifluoromethane	ND		ug/kg	760	70.	1
Acetone	890		ug/kg	760	370	1
Carbon disulfide	1400		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	ND		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	790		ug/kg	300	73.	1
Cyclohexane	ND		ug/kg	760	42.	1
1,4-Dioxane	ND		ug/kg	6100	2700	1
Freon-113	ND		ug/kg	300	53.	1
Methyl cyclohexane	ND		ug/kg	300	46.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	94		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-14
 Client ID: TP-ST24-618-07-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/29/22 04:50
 Analyst: JC
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	330	150	1
1,1-Dichloroethane	ND		ug/kg	67	9.7	1
Chloroform	ND		ug/kg	100	9.3	1
Carbon tetrachloride	ND		ug/kg	67	15.	1
1,2-Dichloropropane	ND		ug/kg	67	8.3	1
Dibromochloromethane	ND		ug/kg	67	9.3	1
1,1,2-Trichloroethane	ND		ug/kg	67	18.	1
Tetrachloroethene	ND		ug/kg	33	13.	1
Chlorobenzene	ND		ug/kg	33	8.5	1
Trichlorofluoromethane	ND		ug/kg	270	46.	1
1,2-Dichloroethane	ND		ug/kg	67	17.	1
1,1,1-Trichloroethane	ND		ug/kg	33	11.	1
Bromodichloromethane	ND		ug/kg	33	7.3	1
trans-1,3-Dichloropropene	ND		ug/kg	67	18.	1
cis-1,3-Dichloropropene	ND		ug/kg	33	10.	1
Bromoform	ND		ug/kg	270	16.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	33	11.	1
Benzene	5300		ug/kg	33	11.	1
Toluene	3200		ug/kg	67	36.	1
Ethylbenzene	490		ug/kg	67	9.4	1
Chloromethane	ND		ug/kg	270	62.	1
Bromomethane	ND		ug/kg	130	39.	1
Vinyl chloride	ND		ug/kg	67	22.	1
Chloroethane	ND		ug/kg	130	30.	1
1,1-Dichloroethene	ND		ug/kg	67	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	100	9.1	1
Trichloroethene	ND		ug/kg	33	9.1	1
1,2-Dichlorobenzene	ND		ug/kg	130	9.6	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-14
 Client ID: TP-ST24-618-07-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	130	9.9	1
1,4-Dichlorobenzene	ND		ug/kg	130	11.	1
Methyl tert butyl ether	ND		ug/kg	130	13.	1
p/m-Xylene	820		ug/kg	130	37.	1
o-Xylene	240		ug/kg	67	19.	1
cis-1,2-Dichloroethene	ND		ug/kg	67	12.	1
Styrene	190		ug/kg	67	13.	1
Dichlorodifluoromethane	ND		ug/kg	670	61.	1
Acetone	ND		ug/kg	670	320	1
Carbon disulfide	ND		ug/kg	670	300	1
2-Butanone	ND		ug/kg	670	150	1
4-Methyl-2-pentanone	ND		ug/kg	670	85.	1
2-Hexanone	ND		ug/kg	670	79.	1
Bromochloromethane	ND		ug/kg	130	14.	1
1,2-Dibromoethane	ND		ug/kg	67	19.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	66.	1
Isopropylbenzene	ND		ug/kg	67	7.3	1
1,2,3-Trichlorobenzene	ND		ug/kg	130	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	130	18.	1
Methyl Acetate	270		ug/kg	270	63.	1
Cyclohexane	ND		ug/kg	670	36.	1
1,4-Dioxane	ND		ug/kg	5300	2300	1
Freon-113	ND		ug/kg	270	46.	1
Methyl cyclohexane	64	J	ug/kg	270	40.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	89		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-15
 Client ID: TP-ST24-06-08-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/28/22 22:16
 Analyst: JC
 Percent Solids: 57%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.1	3.2	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.1	0.20	1
Carbon tetrachloride	ND		ug/kg	1.4	0.32	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.18	1
Dibromochloromethane	ND		ug/kg	1.4	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.38	1
Tetrachloroethene	ND		ug/kg	0.71	0.28	1
Chlorobenzene	ND		ug/kg	0.71	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.98	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.36	1
1,1,1-Trichloroethane	ND		ug/kg	0.71	0.24	1
Bromodichloromethane	ND		ug/kg	0.71	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.39	1
cis-1,3-Dichloropropene	ND		ug/kg	0.71	0.22	1
Bromoform	ND		ug/kg	5.7	0.35	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.71	0.23	1
Benzene	ND		ug/kg	0.71	0.23	1
Toluene	ND		ug/kg	1.4	0.77	1
Ethylbenzene	0.52	J	ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.7	1.3	1
Bromomethane	ND		ug/kg	2.8	0.82	1
Vinyl chloride	ND		ug/kg	1.4	0.47	1
Chloroethane	ND		ug/kg	2.8	0.64	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.19	1
Trichloroethene	ND		ug/kg	0.71	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.8	0.20	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-15
 Client ID: TP-ST24-06-08-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	2.8	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.28	1
p/m-Xylene	ND		ug/kg	2.8	0.79	1
o-Xylene	ND		ug/kg	1.4	0.41	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.25	1
Styrene	ND		ug/kg	1.4	0.28	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	11	J	ug/kg	14	6.8	1
Carbon disulfide	ND		ug/kg	14	6.4	1
2-Butanone	ND		ug/kg	14	3.1	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
2-Hexanone	ND		ug/kg	14	1.7	1
Bromochloromethane	ND		ug/kg	2.8	0.29	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.39	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	1.4	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.8	0.46	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.8	0.38	1
Methyl Acetate	ND		ug/kg	5.7	1.3	1
Cyclohexane	ND		ug/kg	14	0.77	1
1,4-Dioxane	ND		ug/kg	110	50.	1
Freon-113	ND		ug/kg	5.7	0.98	1
Methyl cyclohexane	ND		ug/kg	5.7	0.85	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	105		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-16
 Client ID: TP-ST24-618-08-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/28/22 22:42
 Analyst: JC
 Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.1	3.7	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.23	1
Chloroform	ND		ug/kg	2.4	0.23	1
Carbon tetrachloride	ND		ug/kg	1.6	0.37	1
1,2-Dichloropropane	ND		ug/kg	1.6	0.20	1
Dibromochloromethane	ND		ug/kg	1.6	0.23	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.43	1
Tetrachloroethene	ND		ug/kg	0.81	0.32	1
Chlorobenzene	ND		ug/kg	0.81	0.20	1
Trichlorofluoromethane	ND		ug/kg	6.5	1.1	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.42	1
1,1,1-Trichloroethane	ND		ug/kg	0.81	0.27	1
Bromodichloromethane	ND		ug/kg	0.81	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.44	1
cis-1,3-Dichloropropene	ND		ug/kg	0.81	0.26	1
Bromoform	ND		ug/kg	6.5	0.40	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.81	0.27	1
Benzene	1.6		ug/kg	0.81	0.27	1
Toluene	ND		ug/kg	1.6	0.88	1
Ethylbenzene	ND		ug/kg	1.6	0.23	1
Chloromethane	ND		ug/kg	6.5	1.5	1
Bromomethane	ND		ug/kg	3.2	0.94	1
Vinyl chloride	ND		ug/kg	1.6	0.54	1
Chloroethane	ND		ug/kg	3.2	0.73	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.38	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.22	1
Trichloroethene	ND		ug/kg	0.81	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	3.2	0.23	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLI

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-16
 Client ID: TP-ST24-618-08-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	3.2	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	3.2	0.28	1
Methyl tert butyl ether	ND		ug/kg	3.2	0.32	1
p/m-Xylene	ND		ug/kg	3.2	0.90	1
o-Xylene	ND		ug/kg	1.6	0.47	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.28	1
Styrene	ND		ug/kg	1.6	0.32	1
Dichlorodifluoromethane	ND		ug/kg	16	1.5	1
Acetone	63		ug/kg	16	7.8	1
Carbon disulfide	ND		ug/kg	16	7.4	1
2-Butanone	ND		ug/kg	16	3.6	1
4-Methyl-2-pentanone	ND		ug/kg	16	2.1	1
2-Hexanone	ND		ug/kg	16	1.9	1
Bromochloromethane	ND		ug/kg	3.2	0.33	1
1,2-Dibromoethane	ND		ug/kg	1.6	0.45	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.8	1.6	1
Isopropylbenzene	ND		ug/kg	1.6	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.2	0.52	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.2	0.44	1
Methyl Acetate	ND		ug/kg	6.5	1.5	1
Cyclohexane	ND		ug/kg	16	0.88	1
1,4-Dioxane	ND		ug/kg	130	57.	1
Freon-113	ND		ug/kg	6.5	1.1	1
Methyl cyclohexane	ND		ug/kg	6.5	0.98	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	111		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-17
 Client ID: TP-ST24-06-09-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/30/22 04:49
 Analyst: JC
 Percent Solids: 66%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	500	230	1
1,1-Dichloroethane	ND		ug/kg	100	14.	1
Chloroform	ND		ug/kg	150	14.	1
Carbon tetrachloride	ND		ug/kg	100	23.	1
1,2-Dichloropropane	ND		ug/kg	100	12.	1
Dibromochloromethane	ND		ug/kg	100	14.	1
1,1,2-Trichloroethane	ND		ug/kg	100	27.	1
Tetrachloroethene	88		ug/kg	50	20.	1
Chlorobenzene	ND		ug/kg	50	13.	1
Trichlorofluoromethane	ND		ug/kg	400	69.	1
1,2-Dichloroethane	ND		ug/kg	100	26.	1
1,1,1-Trichloroethane	ND		ug/kg	50	17.	1
Bromodichloromethane	ND		ug/kg	50	11.	1
trans-1,3-Dichloropropene	ND		ug/kg	100	27.	1
cis-1,3-Dichloropropene	ND		ug/kg	50	16.	1
Bromoform	ND		ug/kg	400	24.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	16.	1
Benzene	37000	E	ug/kg	50	16.	1
Toluene	3000		ug/kg	100	54.	1
Ethylbenzene	480		ug/kg	100	14.	1
Chloromethane	ND		ug/kg	400	93.	1
Bromomethane	ND		ug/kg	200	58.	1
Vinyl chloride	ND		ug/kg	100	33.	1
Chloroethane	ND		ug/kg	200	45.	1
1,1-Dichloroethene	ND		ug/kg	100	24.	1
trans-1,2-Dichloroethene	ND		ug/kg	150	14.	1
Trichloroethene	ND		ug/kg	50	14.	1
1,2-Dichlorobenzene	ND		ug/kg	200	14.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-17
 Client ID: TP-ST24-06-09-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	200	15.	1
1,4-Dichlorobenzene	ND		ug/kg	200	17.	1
Methyl tert butyl ether	20	J	ug/kg	200	20.	1
p/m-Xylene	2100		ug/kg	200	56.	1
o-Xylene	770		ug/kg	100	29.	1
cis-1,2-Dichloroethene	ND		ug/kg	100	17.	1
Styrene	110		ug/kg	100	20.	1
Dichlorodifluoromethane	ND		ug/kg	1000	91.	1
Acetone	680	J	ug/kg	1000	480	1
Carbon disulfide	ND		ug/kg	1000	450	1
2-Butanone	ND		ug/kg	1000	220	1
4-Methyl-2-pentanone	ND		ug/kg	1000	130	1
2-Hexanone	ND		ug/kg	1000	120	1
Bromochloromethane	ND		ug/kg	200	20.	1
1,2-Dibromoethane	ND		ug/kg	100	28.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	300	100	1
Isopropylbenzene	ND		ug/kg	100	11.	1
1,2,3-Trichlorobenzene	ND		ug/kg	200	32.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	27.	1
Methyl Acetate	620		ug/kg	400	95.	1
Cyclohexane	ND		ug/kg	1000	54.	1
1,4-Dioxane	ND		ug/kg	8000	3500	1
Freon-113	ND		ug/kg	400	69.	1
Methyl cyclohexane	130	J	ug/kg	400	60.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	88		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-17 D
 Client ID: TP-ST24-06-09-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/29/22 05:16
 Analyst: JC
 Percent Solids: 66%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Benzene	38000		ug/kg	100	33.	2
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	92		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-18
 Client ID: TP-ST24-618-09-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/29/22 05:42
 Analyst: JC
 Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	410	190	1
1,1-Dichloroethane	ND		ug/kg	82	12.	1
Chloroform	ND		ug/kg	120	12.	1
Carbon tetrachloride	ND		ug/kg	82	19.	1
1,2-Dichloropropane	ND		ug/kg	82	10.	1
Dibromochloromethane	ND		ug/kg	82	12.	1
1,1,2-Trichloroethane	ND		ug/kg	82	22.	1
Tetrachloroethene	68		ug/kg	41	16.	1
Chlorobenzene	ND		ug/kg	41	10.	1
Trichlorofluoromethane	ND		ug/kg	330	57.	1
1,2-Dichloroethane	ND		ug/kg	82	21.	1
1,1,1-Trichloroethane	ND		ug/kg	41	14.	1
Bromodichloromethane	ND		ug/kg	41	9.0	1
trans-1,3-Dichloropropene	ND		ug/kg	82	22.	1
cis-1,3-Dichloropropene	ND		ug/kg	41	13.	1
Bromoform	ND		ug/kg	330	20.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	41	14.	1
Benzene	12000		ug/kg	41	14.	1
Toluene	1600		ug/kg	82	45.	1
Ethylbenzene	1200		ug/kg	82	12.	1
Chloromethane	ND		ug/kg	330	77.	1
Bromomethane	ND		ug/kg	160	48.	1
Vinyl chloride	ND		ug/kg	82	28.	1
Chloroethane	ND		ug/kg	160	37.	1
1,1-Dichloroethene	ND		ug/kg	82	20.	1
trans-1,2-Dichloroethene	ND		ug/kg	120	11.	1
Trichloroethene	ND		ug/kg	41	11.	1
1,2-Dichlorobenzene	ND		ug/kg	160	12.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-18
 Client ID: TP-ST24-618-09-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	160	12.	1
1,4-Dichlorobenzene	ND		ug/kg	160	14.	1
Methyl tert butyl ether	ND		ug/kg	160	16.	1
p/m-Xylene	1500		ug/kg	160	46.	1
o-Xylene	340		ug/kg	82	24.	1
cis-1,2-Dichloroethene	ND		ug/kg	82	14.	1
Styrene	440		ug/kg	82	16.	1
Dichlorodifluoromethane	ND		ug/kg	820	75.	1
Acetone	ND		ug/kg	820	400	1
Carbon disulfide	ND		ug/kg	820	370	1
2-Butanone	ND		ug/kg	820	180	1
4-Methyl-2-pentanone	ND		ug/kg	820	100	1
2-Hexanone	ND		ug/kg	820	97.	1
Bromochloromethane	ND		ug/kg	160	17.	1
1,2-Dibromoethane	ND		ug/kg	82	23.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	82.	1
Isopropylbenzene	ND		ug/kg	82	9.0	1
1,2,3-Trichlorobenzene	ND		ug/kg	160	26.	1
1,2,4-Trichlorobenzene	ND		ug/kg	160	22.	1
Methyl Acetate	ND		ug/kg	330	78.	1
Cyclohexane	ND		ug/kg	820	45.	1
1,4-Dioxane	ND		ug/kg	6600	2900	1
Freon-113	ND		ug/kg	330	57.	1
Methyl cyclohexane	ND		ug/kg	330	50.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	78		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	120		70-130
Dibromofluoromethane	79		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-19
 Client ID: TP-ST24-06-10-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/28/22 23:09
 Analyst: JC
 Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.55	0.21	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-19
 Client ID: TP-ST24-06-10-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	61		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
Methyl Acetate	ND		ug/kg	4.4	1.0	1
Cyclohexane	ND		ug/kg	11	0.60	1
1,4-Dioxane	ND		ug/kg	88	38.	1
Freon-113	ND		ug/kg	4.4	0.76	1
Methyl cyclohexane	ND		ug/kg	4.4	0.66	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	112		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-20
 Client ID: TP-ST24-618-10-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/28/22 23:35
 Analyst: JC
 Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.92	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.92	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.92	0.12	1
Dibromochloromethane	ND		ug/kg	0.92	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	0.25	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.14	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.92	0.50	1
Ethylbenzene	ND		ug/kg	0.92	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.54	1
Vinyl chloride	ND		ug/kg	0.92	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1
Trichloroethene	ND		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-20
 Client ID: TP-ST24-618-10-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.52	1
o-Xylene	ND		ug/kg	0.92	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.16	1
Styrene	ND		ug/kg	0.92	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.84	1
Acetone	4.5	J	ug/kg	9.2	4.4	1
Carbon disulfide	ND		ug/kg	9.2	4.2	1
2-Butanone	ND		ug/kg	9.2	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	1.2	1
2-Hexanone	ND		ug/kg	9.2	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.92	0.26	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Isopropylbenzene	ND		ug/kg	0.92	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
Methyl Acetate	ND		ug/kg	3.7	0.88	1
Cyclohexane	ND		ug/kg	9.2	0.50	1
1,4-Dioxane	ND		ug/kg	74	32.	1
Freon-113	ND		ug/kg	3.7	0.64	1
Methyl cyclohexane	ND		ug/kg	3.7	0.56	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	109		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-21
 Client ID: TP-ST24-06-11-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 13:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/29/22 00:43
 Analyst: JC
 Percent Solids: 62%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.3	3.8	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.24	1
Chloroform	ND		ug/kg	2.5	0.23	1
Carbon tetrachloride	ND		ug/kg	1.6	0.38	1
1,2-Dichloropropane	ND		ug/kg	1.6	0.21	1
Dibromochloromethane	ND		ug/kg	1.6	0.23	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.44	1
Tetrachloroethene	ND		ug/kg	0.83	0.32	1
Chlorobenzene	ND		ug/kg	0.83	0.21	1
Trichlorofluoromethane	ND		ug/kg	6.6	1.1	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.42	1
1,1,1-Trichloroethane	ND		ug/kg	0.83	0.28	1
Bromodichloromethane	ND		ug/kg	0.83	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.45	1
cis-1,3-Dichloropropene	ND		ug/kg	0.83	0.26	1
Bromoform	ND		ug/kg	6.6	0.41	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.83	0.27	1
Benzene	ND		ug/kg	0.83	0.27	1
Toluene	ND		ug/kg	1.6	0.90	1
Ethylbenzene	ND		ug/kg	1.6	0.23	1
Chloromethane	ND		ug/kg	6.6	1.5	1
Bromomethane	ND		ug/kg	3.3	0.96	1
Vinyl chloride	ND		ug/kg	1.6	0.55	1
Chloroethane	ND		ug/kg	3.3	0.75	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.39	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.23	1
Trichloroethene	ND		ug/kg	0.83	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	3.3	0.24	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-21
 Client ID: TP-ST24-06-11-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 13:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	3.3	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	3.3	0.28	1
Methyl tert butyl ether	ND		ug/kg	3.3	0.33	1
p/m-Xylene	ND		ug/kg	3.3	0.93	1
o-Xylene	ND		ug/kg	1.6	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.29	1
Styrene	ND		ug/kg	1.6	0.32	1
Dichlorodifluoromethane	ND		ug/kg	16	1.5	1
Acetone	76		ug/kg	16	8.0	1
Carbon disulfide	ND		ug/kg	16	7.5	1
2-Butanone	15	J	ug/kg	16	3.7	1
4-Methyl-2-pentanone	ND		ug/kg	16	2.1	1
2-Hexanone	ND		ug/kg	16	2.0	1
Bromochloromethane	ND		ug/kg	3.3	0.34	1
1,2-Dibromoethane	ND		ug/kg	1.6	0.46	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	1.6	1
Isopropylbenzene	ND		ug/kg	1.6	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.3	0.53	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.3	0.45	1
Methyl Acetate	ND		ug/kg	6.6	1.6	1
Cyclohexane	ND		ug/kg	16	0.90	1
1,4-Dioxane	ND		ug/kg	130	58.	1
Freon-113	ND		ug/kg	6.6	1.1	1
Methyl cyclohexane	ND		ug/kg	6.6	1.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	101		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-22
 Client ID: TP-ST24-618-11-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 14:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/29/22 01:06
 Analyst: JC
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.97	0.14	1
Chloroform	ND		ug/kg	1.4	0.14	1
Carbon tetrachloride	ND		ug/kg	0.97	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.97	0.12	1
Dibromochloromethane	ND		ug/kg	0.97	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.97	0.26	1
Tetrachloroethene	ND		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.97	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.97	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.15	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.97	0.53	1
Ethylbenzene	ND		ug/kg	0.97	0.14	1
Chloromethane	ND		ug/kg	3.9	0.91	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.97	0.33	1
Chloroethane	ND		ug/kg	1.9	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.97	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1
Trichloroethene	ND		ug/kg	0.49	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-22
 Client ID: TP-ST24-618-11-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 14:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.17	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.20	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.97	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.97	0.17	1
Styrene	ND		ug/kg	0.97	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.7	0.89	1
Acetone	ND		ug/kg	9.7	4.7	1
Carbon disulfide	ND		ug/kg	9.7	4.4	1
2-Butanone	ND		ug/kg	9.7	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	9.7	1.2	1
2-Hexanone	ND		ug/kg	9.7	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.97	0.27	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.97	1
Isopropylbenzene	ND		ug/kg	0.97	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
Methyl Acetate	ND		ug/kg	3.9	0.92	1
Cyclohexane	ND		ug/kg	9.7	0.53	1
1,4-Dioxane	ND		ug/kg	78	34.	1
Freon-113	ND		ug/kg	3.9	0.67	1
Methyl cyclohexane	ND		ug/kg	3.9	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-23
 Client ID: TP-ST24-06-12-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 14:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/29/22 01:30
 Analyst: JC
 Percent Solids: 66%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.0	3.2	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.1	0.20	1
Carbon tetrachloride	ND		ug/kg	1.4	0.32	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.37	1
Tetrachloroethene	ND		ug/kg	0.70	0.27	1
Chlorobenzene	ND		ug/kg	0.70	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.97	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.36	1
1,1,1-Trichloroethane	ND		ug/kg	0.70	0.23	1
Bromodichloromethane	ND		ug/kg	0.70	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.38	1
cis-1,3-Dichloropropene	ND		ug/kg	0.70	0.22	1
Bromoform	ND		ug/kg	5.6	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.70	0.23	1
Benzene	0.54	J	ug/kg	0.70	0.23	1
Toluene	2.4		ug/kg	1.4	0.76	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.6	1.3	1
Bromomethane	ND		ug/kg	2.8	0.81	1
Vinyl chloride	ND		ug/kg	1.4	0.47	1
Chloroethane	ND		ug/kg	2.8	0.63	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.19	1
Trichloroethene	ND		ug/kg	0.70	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.8	0.20	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-23
 Client ID: TP-ST24-06-12-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 14:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	2.8	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.28	1
p/m-Xylene	ND		ug/kg	2.8	0.78	1
o-Xylene	ND		ug/kg	1.4	0.41	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	170		ug/kg	14	6.7	1
Carbon disulfide	ND		ug/kg	14	6.4	1
2-Butanone	31		ug/kg	14	3.1	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.8	0.29	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.39	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	1.4	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.8	0.45	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.8	0.38	1
Methyl Acetate	ND		ug/kg	5.6	1.3	1
Cyclohexane	ND		ug/kg	14	0.76	1
1,4-Dioxane	ND		ug/kg	110	49.	1
Freon-113	ND		ug/kg	5.6	0.97	1
Methyl cyclohexane	ND		ug/kg	5.6	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	103		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-24
 Client ID: TP-ST24-618-12-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 14:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/29/22 01:53
 Analyst: JC
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.2	1.9	1
1,1-Dichloroethane	ND		ug/kg	0.84	0.12	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.84	0.19	1
1,2-Dichloropropane	ND		ug/kg	0.84	0.10	1
Dibromochloromethane	ND		ug/kg	0.84	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.84	0.22	1
Tetrachloroethene	ND		ug/kg	0.42	0.16	1
Chlorobenzene	ND		ug/kg	0.42	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.4	0.58	1
1,2-Dichloroethane	ND		ug/kg	0.84	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.42	0.14	1
Bromodichloromethane	ND		ug/kg	0.42	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.84	0.23	1
cis-1,3-Dichloropropene	ND		ug/kg	0.42	0.13	1
Bromoform	ND		ug/kg	3.4	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.42	0.14	1
Benzene	0.37	J	ug/kg	0.42	0.14	1
Toluene	ND		ug/kg	0.84	0.46	1
Ethylbenzene	ND		ug/kg	0.84	0.12	1
Chloromethane	ND		ug/kg	3.4	0.78	1
Bromomethane	ND		ug/kg	1.7	0.49	1
Vinyl chloride	ND		ug/kg	0.84	0.28	1
Chloroethane	ND		ug/kg	1.7	0.38	1
1,1-Dichloroethene	ND		ug/kg	0.84	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1
Trichloroethene	ND		ug/kg	0.42	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-24
 Client ID: TP-ST24-618-12-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 14:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.14	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.47	1
o-Xylene	ND		ug/kg	0.84	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.84	0.15	1
Styrene	ND		ug/kg	0.84	0.16	1
Dichlorodifluoromethane	ND		ug/kg	8.4	0.77	1
Acetone	13		ug/kg	8.4	4.0	1
Carbon disulfide	ND		ug/kg	8.4	3.8	1
2-Butanone	2.8	J	ug/kg	8.4	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.4	1.1	1
2-Hexanone	ND		ug/kg	8.4	0.99	1
Bromochloromethane	ND		ug/kg	1.7	0.17	1
1,2-Dibromoethane	ND		ug/kg	0.84	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5	0.84	1
Isopropylbenzene	ND		ug/kg	0.84	0.09	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.23	1
Methyl Acetate	ND		ug/kg	3.4	0.80	1
Cyclohexane	ND		ug/kg	8.4	0.46	1
1,4-Dioxane	ND		ug/kg	67	30.	1
Freon-113	ND		ug/kg	3.4	0.58	1
Methyl cyclohexane	ND		ug/kg	3.4	0.51	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	102		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-25
 Client ID: TP-ST24-40-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/30/22 14:05
 Analyst:
 Percent Solids: 86%
 TCLP/SPLP Ext. Date: 06/29/22 12:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
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	18		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	89		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	112		70-130
dibromofluoromethane	96		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-25 D2
 Client ID: TP-ST24-40-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/30/22 05:15
 Analyst: JC
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	1400	670	5
1,1-Dichloroethane	ND		ug/kg	290	42.	5
Chloroform	ND		ug/kg	440	41.	5
Carbon tetrachloride	ND		ug/kg	290	67.	5
1,2-Dichloropropane	ND		ug/kg	290	36.	5
Dibromochloromethane	ND		ug/kg	290	41.	5
1,1,2-Trichloroethane	ND		ug/kg	290	78.	5
Tetrachloroethene	ND		ug/kg	140	57.	5
Chlorobenzene	ND		ug/kg	140	37.	5
Trichlorofluoromethane	ND		ug/kg	1200	200	5
1,2-Dichloroethane	ND		ug/kg	290	75.	5
1,1,1-Trichloroethane	ND		ug/kg	140	49.	5
Bromodichloromethane	ND		ug/kg	140	32.	5
trans-1,3-Dichloropropene	ND		ug/kg	290	80.	5
cis-1,3-Dichloropropene	ND		ug/kg	140	46.	5
Bromoform	ND		ug/kg	1200	72.	5
1,1,2,2-Tetrachloroethane	ND		ug/kg	140	48.	5
Benzene	100000	E	ug/kg	140	48.	5
Toluene	45000		ug/kg	290	160	5
Ethylbenzene	770		ug/kg	290	41.	5
Chloromethane	ND		ug/kg	1200	270	5
Bromomethane	ND		ug/kg	580	170	5
Vinyl chloride	ND		ug/kg	290	98.	5
Chloroethane	ND		ug/kg	580	130	5
1,1-Dichloroethene	ND		ug/kg	290	69.	5
trans-1,2-Dichloroethene	ND		ug/kg	440	40.	5
Trichloroethene	ND		ug/kg	140	40.	5
1,2-Dichlorobenzene	ND		ug/kg	580	42.	5

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-25 D2
 Client ID: TP-ST24-40-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	580	43.	5
1,4-Dichlorobenzene	ND		ug/kg	580	50.	5
Methyl tert butyl ether	ND		ug/kg	580	58.	5
p/m-Xylene	3000		ug/kg	580	160	5
o-Xylene	920		ug/kg	290	85.	5
cis-1,2-Dichloroethene	ND		ug/kg	290	51.	5
Styrene	1600		ug/kg	290	57.	5
Dichlorodifluoromethane	ND		ug/kg	2900	270	5
Acetone	ND		ug/kg	2900	1400	5
Carbon disulfide	ND		ug/kg	2900	1300	5
2-Butanone	ND		ug/kg	2900	650	5
4-Methyl-2-pentanone	ND		ug/kg	2900	370	5
2-Hexanone	ND		ug/kg	2900	340	5
Bromochloromethane	ND		ug/kg	580	60.	5
1,2-Dibromoethane	ND		ug/kg	290	81.	5
1,2-Dibromo-3-chloropropane	ND		ug/kg	870	290	5
Isopropylbenzene	ND		ug/kg	290	32.	5
1,2,3-Trichlorobenzene	ND		ug/kg	580	94.	5
1,2,4-Trichlorobenzene	ND		ug/kg	580	79.	5
Methyl Acetate	ND		ug/kg	1200	280	5
Cyclohexane	ND		ug/kg	2900	160	5
1,4-Dioxane	ND		ug/kg	23000	10000	5
Freon-113	ND		ug/kg	1200	200	5
Methyl cyclohexane	ND		ug/kg	1200	180	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	86		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-25 D
 Client ID: TP-ST24-40-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/29/22 03:50
 Analyst: JC
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Benzene	110000		ug/kg	290	97.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	94		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-26
 Client ID: TP-ST24-1824-11-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 13:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/29/22 02:16
 Analyst: JC
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.88	0.13	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.88	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.88	0.11	1
Dibromochloromethane	ND		ug/kg	0.88	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.88	0.23	1
Tetrachloroethene	ND		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.61	1
1,2-Dichloroethane	ND		ug/kg	0.88	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.44	0.15	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.88	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.5	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.14	1
Benzene	1.1		ug/kg	0.44	0.14	1
Toluene	ND		ug/kg	0.88	0.48	1
Ethylbenzene	ND		ug/kg	0.88	0.12	1
Chloromethane	ND		ug/kg	3.5	0.82	1
Bromomethane	ND		ug/kg	1.8	0.51	1
Vinyl chloride	ND		ug/kg	0.88	0.29	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	ND		ug/kg	0.88	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1
Trichloroethene	ND		ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-26
 Client ID: TP-ST24-1824-11-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 13:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.49	1
o-Xylene	ND		ug/kg	0.88	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.88	0.15	1
Styrene	ND		ug/kg	0.88	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.8	0.80	1
Acetone	30		ug/kg	8.8	4.2	1
Carbon disulfide	ND		ug/kg	8.8	4.0	1
2-Butanone	3.3	J	ug/kg	8.8	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.8	1.1	1
2-Hexanone	ND		ug/kg	8.8	1.0	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.88	0.24	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.87	1
Isopropylbenzene	ND		ug/kg	0.88	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
Methyl Acetate	ND		ug/kg	3.5	0.83	1
Cyclohexane	ND		ug/kg	8.8	0.48	1
1,4-Dioxane	ND		ug/kg	70	31.	1
Freon-113	ND		ug/kg	3.5	0.61	1
Methyl cyclohexane	ND		ug/kg	3.5	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	109		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 06/28/22 20:58
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06,09,15-16,19-20 Batch: WG1657370-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/28/22 20:58
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06,09,15-16,19-20 Batch: WG1657370-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/28/22 20:58
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06,09,15-16,19-20 Batch: WG1657370-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 06/28/22 20:58
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02-04,08,10-14,17-18 Batch: WG1657372-5					
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: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 06/28/22 20:58
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02-04,08,10-14,17-18 Batch: WG1657372-5					
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: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/28/22 20:58
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02-04,08,10-14,17-18 Batch: WG1657372-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: RITC
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Lab Number: L2232292
Report Date: 07/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/28/22 20:50
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 21-24,26 Batch: WG1657464-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: RITC
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/28/22 20:50
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 21-24,26 Batch: WG1657464-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	0.41	J	ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: RITC
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Lab Number: L2232292
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/28/22 20:50
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 21-24,26 Batch: WG1657464-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 06/28/22 20:50
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 25 Batch: WG1657489-5					
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: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 06/28/22 20:50
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 25 Batch: WG1657489-5					
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	20	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: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/28/22 20:50
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 25 Batch: WG1657489-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 06/30/22 08:17
Analyst:
TCLP/SPLP Extraction Date: 06/29/22 11:22

Extraction Date: 06/29/22 11:22

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 09,25 Batch: WG1657797-5					
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	93		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	110		70-130
dibromofluoromethane	96		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 06/29/22 21:25
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,05,07-08 Batch: WG1658901-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/29/22 21:25
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,05,07-08 Batch: WG1658901-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/29/22 21:25
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,05,07-08 Batch: WG1658901-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	107		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 06/29/22 21:25
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02-04,10-12,17,25 Batch: WG1658902-5					
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: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 06/29/22 21:25
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02-04,10-12,17,25 Batch: WG1658902-5					
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: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/29/22 21:25
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02-04,10-12,17,25 Batch: WG1658902-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	106		70-130

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/01/22 08:02
Analyst: MM
TCLP/SPLP Extraction Date: 06/29/22 11:22

Extraction Date: 06/29/22 11:22

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 03-04 Batch: WG1658917-5					
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	87		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	114		70-130
dibromofluoromethane	92		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS		LCSD		%Recovery		RPD	RPD	
	%Recovery	Qual	%Recovery	Qual	Limits	Qual		Limits	
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06,09,15-16,19-20 Batch: WG1657370-3 WG1657370-4									
Methylene chloride	84		93		70-130		10		30
1,1-Dichloroethane	74		83		70-130		11		30
Chloroform	74		81		70-130		9		30
Carbon tetrachloride	81		97		70-130		18		30
1,2-Dichloropropane	84		94		70-130		11		30
Dibromochloromethane	84		93		70-130		10		30
1,1,2-Trichloroethane	80		88		70-130		10		30
Tetrachloroethene	88		106		70-130		19		30
Chlorobenzene	84		95		70-130		12		30
Trichlorofluoromethane	74		88		70-139		17		30
1,2-Dichloroethane	78		84		70-130		7		30
1,1,1-Trichloroethane	80		94		70-130		16		30
Bromodichloromethane	87		95		70-130		9		30
trans-1,3-Dichloropropene	78		87		70-130		11		30
cis-1,3-Dichloropropene	82		91		70-130		10		30
Bromoform	80		85		70-130		6		30
1,1,2,2-Tetrachloroethane	82		82		70-130		0		30
Benzene	83		96		70-130		15		30
Toluene	81		93		70-130		14		30
Ethylbenzene	82		95		70-130		15		30
Chloromethane	74		87		52-130		16		30
Bromomethane	81		92		57-147		13		30
Vinyl chloride	67		81		67-130		19		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS		LCSD		%Recovery		RPD	RPD	
	%Recovery	Qual	%Recovery	Qual	Limits	Qual		Limits	
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06,09,15-16,19-20 Batch: WG1657370-3 WG1657370-4									
Chloroethane	73		85		50-151		15		30
1,1-Dichloroethene	73		86		65-135		16		30
trans-1,2-Dichloroethene	75		87		70-130		15		30
Trichloroethene	94		112		70-130		17		30
1,2-Dichlorobenzene	86		93		70-130		8		30
1,3-Dichlorobenzene	85		95		70-130		11		30
1,4-Dichlorobenzene	85		93		70-130		9		30
Methyl tert butyl ether	88		95		66-130		8		30
p/m-Xylene	87		98		70-130		12		30
o-Xylene	86		97		70-130		12		30
cis-1,2-Dichloroethene	77		83		70-130		8		30
Styrene	89		99		70-130		11		30
Dichlorodifluoromethane	67		82		30-146		20		30
Acetone	86		88		54-140		2		30
Carbon disulfide	78		94		59-130		19		30
2-Butanone	82		73		70-130		12		30
4-Methyl-2-pentanone	84		91		70-130		8		30
2-Hexanone	90		94		70-130		4		30
Bromochloromethane	81		87		70-130		7		30
1,2-Dibromoethane	81		88		70-130		8		30
1,2-Dibromo-3-chloropropane	89		92		68-130		3		30
Isopropylbenzene	85		99		70-130		15		30
1,2,3-Trichlorobenzene	90		94		70-130		4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06,09,15-16,19-20 Batch: WG1657370-3 WG1657370-4								
1,2,4-Trichlorobenzene	91		96		70-130	5		30
Methyl Acetate	82		78		51-146	5		30
Cyclohexane	78		96		59-142	21		30
1,4-Dioxane	92		89		65-136	3		30
Freon-113	77		94		50-139	20		30
Methyl cyclohexane	81		100		70-130	21		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	85		86		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	103		103		70-130
Dibromofluoromethane	89		87		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02-04,08,10-14,17-18 Batch: WG1657372-3 WG1657372-4								
Methylene chloride	84		93		70-130	10		30
1,1-Dichloroethane	74		83		70-130	11		30
Chloroform	74		81		70-130	9		30
Carbon tetrachloride	81		97		70-130	18		30
1,2-Dichloropropane	84		94		70-130	11		30
Dibromochloromethane	84		93		70-130	10		30
1,1,2-Trichloroethane	80		88		70-130	10		30
Tetrachloroethene	88		106		70-130	19		30
Chlorobenzene	84		95		70-130	12		30
Trichlorofluoromethane	74		88		70-139	17		30
1,2-Dichloroethane	78		84		70-130	7		30
1,1,1-Trichloroethane	80		94		70-130	16		30
Bromodichloromethane	87		95		70-130	9		30
trans-1,3-Dichloropropene	78		87		70-130	11		30
cis-1,3-Dichloropropene	82		91		70-130	10		30
Bromoform	80		85		70-130	6		30
1,1,2,2-Tetrachloroethane	82		82		70-130	0		30
Benzene	83		96		70-130	15		30
Toluene	81		93		70-130	14		30
Ethylbenzene	82		95		70-130	15		30
Chloromethane	74		87		52-130	16		30
Bromomethane	81		92		57-147	13		30
Vinyl chloride	67		81		67-130	19		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02-04,08,10-14,17-18 Batch: WG1657372-3 WG1657372-4								
Chloroethane	73		85		50-151	15		30
1,1-Dichloroethene	73		86		65-135	16		30
trans-1,2-Dichloroethene	75		87		70-130	15		30
Trichloroethene	94		112		70-130	17		30
1,2-Dichlorobenzene	86		93		70-130	8		30
1,3-Dichlorobenzene	85		95		70-130	11		30
1,4-Dichlorobenzene	85		93		70-130	9		30
Methyl tert butyl ether	88		95		66-130	8		30
p/m-Xylene	87		98		70-130	12		30
o-Xylene	86		97		70-130	12		30
cis-1,2-Dichloroethene	77		83		70-130	8		30
Styrene	89		99		70-130	11		30
Dichlorodifluoromethane	67		82		30-146	20		30
Acetone	86		88		54-140	2		30
Carbon disulfide	78		94		59-130	19		30
2-Butanone	82		73		70-130	12		30
4-Methyl-2-pentanone	84		91		70-130	8		30
2-Hexanone	90		94		70-130	4		30
Bromochloromethane	81		87		70-130	7		30
1,2-Dibromoethane	81		88		70-130	8		30
1,2-Dibromo-3-chloropropane	89		92		68-130	3		30
Isopropylbenzene	85		99		70-130	15		30
1,2,3-Trichlorobenzene	90		94		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02-04,08,10-14,17-18 Batch: WG1657372-3 WG1657372-4								
1,2,4-Trichlorobenzene	91		96		70-130	5		30
Methyl Acetate	82		78		51-146	5		30
Cyclohexane	78		96		59-142	21		30
1,4-Dioxane	92		89		65-136	3		30
Freon-113	77		94		50-139	20		30
Methyl cyclohexane	81		100		70-130	21		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	85		86		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	103		103		70-130
Dibromofluoromethane	89		87		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS		LCSD		%Recovery		RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual	Limits	RPD			
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 21-24,26 Batch: WG1657464-3 WG1657464-4									
Methylene chloride	84		87		70-130	4			30
1,1-Dichloroethane	87		91		70-130	4			30
Chloroform	86		87		70-130	1			30
Carbon tetrachloride	86		91		70-130	6			30
1,2-Dichloropropane	91		95		70-130	4			30
Dibromochloromethane	91		97		70-130	6			30
1,1,2-Trichloroethane	91		95		70-130	4			30
Tetrachloroethene	92		100		70-130	8			30
Chlorobenzene	88		95		70-130	8			30
Trichlorofluoromethane	73		78		70-139	7			30
1,2-Dichloroethane	81		83		70-130	2			30
1,1,1-Trichloroethane	88		92		70-130	4			30
Bromodichloromethane	86		89		70-130	3			30
trans-1,3-Dichloropropene	92		98		70-130	6			30
cis-1,3-Dichloropropene	86		88		70-130	2			30
Bromoform	87		94		70-130	8			30
1,1,2,2-Tetrachloroethane	80		83		70-130	4			30
Benzene	91		95		70-130	4			30
Toluene	87		94		70-130	8			30
Ethylbenzene	89		97		70-130	9			30
Chloromethane	81		85		52-130	5			30
Bromomethane	81		83		57-147	2			30
Vinyl chloride	76		80		67-130	5			30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 21-24,26 Batch: WG1657464-3 WG1657464-4								
Chloroethane	72		74		50-151	3		30
1,1-Dichloroethene	87		91		65-135	4		30
trans-1,2-Dichloroethene	89		93		70-130	4		30
Trichloroethene	100		106		70-130	6		30
1,2-Dichlorobenzene	83		92		70-130	10		30
1,3-Dichlorobenzene	85		94		70-130	10		30
1,4-Dichlorobenzene	83		93		70-130	11		30
Methyl tert butyl ether	92		92		66-130	0		30
p/m-Xylene	92		100		70-130	8		30
o-Xylene	92		100		70-130	8		30
cis-1,2-Dichloroethene	89		94		70-130	5		30
Styrene	87		94		70-130	8		30
Dichlorodifluoromethane	72		76		30-146	5		30
Acetone	88		88		54-140	0		30
Carbon disulfide	88		92		59-130	4		30
2-Butanone	94		90		70-130	4		30
4-Methyl-2-pentanone	99		96		70-130	3		30
2-Hexanone	98		96		70-130	2		30
Bromochloromethane	87		91		70-130	4		30
1,2-Dibromoethane	93		98		70-130	5		30
1,2-Dibromo-3-chloropropane	90		93		68-130	3		30
Isopropylbenzene	88		99		70-130	12		30
1,2,3-Trichlorobenzene	84		93		70-130	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 21-24,26 Batch: WG1657464-3 WG1657464-4								
1,2,4-Trichlorobenzene	88		96		70-130	9		30
Methyl Acetate	87		87		51-146	0		30
Cyclohexane	94		97		59-142	3		30
1,4-Dioxane	92		91		65-136	1		30
Freon-113	87		91		50-139	4		30
Methyl cyclohexane	93		97		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		88		70-130
Toluene-d8	97		99		70-130
4-Bromofluorobenzene	96		98		70-130
Dibromofluoromethane	91		93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 25 Batch: WG1657489-3 WG1657489-4								
Methylene chloride	84		87		70-130	4		30
1,1-Dichloroethane	87		91		70-130	4		30
Chloroform	86		87		70-130	1		30
Carbon tetrachloride	86		91		70-130	6		30
1,2-Dichloropropane	91		95		70-130	4		30
Dibromochloromethane	91		97		70-130	6		30
1,1,2-Trichloroethane	91		95		70-130	4		30
Tetrachloroethene	92		100		70-130	8		30
Chlorobenzene	88		95		70-130	8		30
Trichlorofluoromethane	73		78		70-139	7		30
1,2-Dichloroethane	81		83		70-130	2		30
1,1,1-Trichloroethane	88		92		70-130	4		30
Bromodichloromethane	86		89		70-130	3		30
trans-1,3-Dichloropropene	92		98		70-130	6		30
cis-1,3-Dichloropropene	86		88		70-130	2		30
Bromoform	87		94		70-130	8		30
1,1,2,2-Tetrachloroethane	80		83		70-130	4		30
Benzene	91		95		70-130	4		30
Toluene	87		94		70-130	8		30
Ethylbenzene	89		97		70-130	9		30
Chloromethane	81		85		52-130	5		30
Bromomethane	81		83		57-147	2		30
Vinyl chloride	76		80		67-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 25 Batch: WG1657489-3 WG1657489-4								
Chloroethane	72		74		50-151	3		30
1,1-Dichloroethene	87		91		65-135	4		30
trans-1,2-Dichloroethene	89		93		70-130	4		30
Trichloroethene	100		106		70-130	6		30
1,2-Dichlorobenzene	83		92		70-130	10		30
1,3-Dichlorobenzene	85		94		70-130	10		30
1,4-Dichlorobenzene	83		93		70-130	11		30
Methyl tert butyl ether	92		92		66-130	0		30
p/m-Xylene	92		100		70-130	8		30
o-Xylene	92		100		70-130	8		30
cis-1,2-Dichloroethene	89		94		70-130	5		30
Styrene	87		94		70-130	8		30
Dichlorodifluoromethane	72		76		30-146	5		30
Acetone	88		88		54-140	0		30
Carbon disulfide	88		92		59-130	4		30
2-Butanone	94		90		70-130	4		30
4-Methyl-2-pentanone	99		96		70-130	3		30
2-Hexanone	98		96		70-130	2		30
Bromochloromethane	87		91		70-130	4		30
1,2-Dibromoethane	93		98		70-130	5		30
1,2-Dibromo-3-chloropropane	90		93		68-130	3		30
Isopropylbenzene	88		99		70-130	12		30
1,2,3-Trichlorobenzene	84		93		70-130	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 25 Batch: WG1657489-3 WG1657489-4								
1,2,4-Trichlorobenzene	88		96		70-130	9		30
Methyl Acetate	87		87		51-146	0		30
Cyclohexane	94		97		59-142	3		30
1,4-Dioxane	92		91		65-136	1		30
Freon-113	87		91		50-139	4		30
Methyl cyclohexane	93		97		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		88		70-130
Toluene-d8	97		99		70-130
4-Bromofluorobenzene	96		98		70-130
Dibromofluoromethane	91		93		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 09,25 Batch: WG1657797-3 WG1657797-4								
Chloroform	95		95		70-130	0		20
Carbon tetrachloride	75		78		63-132	4		20
Tetrachloroethene	94		96		70-130	2		20
Chlorobenzene	99		100		75-130	1		25
1,2-Dichloroethane	84		86		70-130	2		20
Benzene	110		110		70-130	0		25
Vinyl chloride	110		110		55-140	0		20
1,1-Dichloroethene	100		110		61-145	10		25
Trichloroethene	97		100		70-130	3		25
1,4-Dichlorobenzene	98		100		70-130	2		20
2-Butanone	85		88		63-138	3		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	83		84		70-130
Toluene-d8	112		109		70-130
4-Bromofluorobenzene	108		109		70-130
dibromofluoromethane	86		84		70-130



Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,05,07-08 Batch: WG1658901-3 WG1658901-4								
Methylene chloride	80		88		70-130	10		30
1,1-Dichloroethane	70		78		70-130	11		30
Chloroform	70		78		70-130	11		30
Carbon tetrachloride	79		92		70-130	15		30
1,2-Dichloropropane	83		91		70-130	9		30
Dibromochloromethane	81		87		70-130	7		30
1,1,2-Trichloroethane	79		83		70-130	5		30
Tetrachloroethene	90		104		70-130	14		30
Chlorobenzene	83		91		70-130	9		30
Trichlorofluoromethane	69	Q	82		70-139	17		30
1,2-Dichloroethane	73		77		70-130	5		30
1,1,1-Trichloroethane	77		88		70-130	13		30
Bromodichloromethane	81		89		70-130	9		30
trans-1,3-Dichloropropene	78		83		70-130	6		30
cis-1,3-Dichloropropene	80		88		70-130	10		30
Bromoform	78		82		70-130	5		30
1,1,2,2-Tetrachloroethane	79		78		70-130	1		30
Benzene	82		93		70-130	13		30
Toluene	82		91		70-130	10		30
Ethylbenzene	81		90		70-130	11		30
Chloromethane	70		82		52-130	16		30
Bromomethane	71		82		57-147	14		30
Vinyl chloride	67		80		67-130	18		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,05,07-08 Batch: WG1658901-3 WG1658901-4								
Chloroethane	64		74		50-151	14		30
1,1-Dichloroethene	71		83		65-135	16		30
trans-1,2-Dichloroethene	73		83		70-130	13		30
Trichloroethene	92		106		70-130	14		30
1,2-Dichlorobenzene	84		90		70-130	7		30
1,3-Dichlorobenzene	84		91		70-130	8		30
1,4-Dichlorobenzene	83		89		70-130	7		30
Methyl tert butyl ether	86		92		66-130	7		30
p/m-Xylene	85		94		70-130	10		30
o-Xylene	84		92		70-130	9		30
cis-1,2-Dichloroethene	72		83		70-130	14		30
Styrene	86		93		70-130	8		30
Dichlorodifluoromethane	62		73		30-146	16		30
Acetone	80		85		54-140	6		30
Carbon disulfide	76		90		59-130	17		30
2-Butanone	80		72		70-130	11		30
4-Methyl-2-pentanone	85		87		70-130	2		30
2-Hexanone	87		90		70-130	3		30
Bromochloromethane	76		81		70-130	6		30
1,2-Dibromoethane	79		83		70-130	5		30
1,2-Dibromo-3-chloropropane	86		89		68-130	3		30
Isopropylbenzene	86		95		70-130	10		30
1,2,3-Trichlorobenzene	87		93		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,05,07-08 Batch: WG1658901-3 WG1658901-4								
1,2,4-Trichlorobenzene	89		95		70-130	7		30
Methyl Acetate	78		75		51-146	4		30
Cyclohexane	79		93		59-142	16		30
1,4-Dioxane	82		85		65-136	4		30
Freon-113	77		89		50-139	14		30
Methyl cyclohexane	83		97		70-130	16		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	82		82		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	103		103		70-130
Dibromofluoromethane	84		86		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS		LCSD		%Recovery		RPD	
	%Recovery	Qual	%Recovery	Qual	Limits	RPD	Qual	Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02-04,10-12,17,25 Batch: WG1658902-3 WG1658902-4								
Methylene chloride	80		88		70-130	10		30
1,1-Dichloroethane	70		78		70-130	11		30
Chloroform	70		78		70-130	11		30
Carbon tetrachloride	79		92		70-130	15		30
1,2-Dichloropropane	83		91		70-130	9		30
Dibromochloromethane	81		87		70-130	7		30
1,1,2-Trichloroethane	79		83		70-130	5		30
Tetrachloroethene	90		104		70-130	14		30
Chlorobenzene	83		91		70-130	9		30
Trichlorofluoromethane	69	Q	82		70-139	17		30
1,2-Dichloroethane	73		77		70-130	5		30
1,1,1-Trichloroethane	77		88		70-130	13		30
Bromodichloromethane	81		89		70-130	9		30
trans-1,3-Dichloropropene	78		83		70-130	6		30
cis-1,3-Dichloropropene	80		88		70-130	10		30
Bromoform	78		82		70-130	5		30
1,1,2,2-Tetrachloroethane	79		78		70-130	1		30
Benzene	82		93		70-130	13		30
Toluene	82		91		70-130	10		30
Ethylbenzene	81		90		70-130	11		30
Chloromethane	70		82		52-130	16		30
Bromomethane	71		82		57-147	14		30
Vinyl chloride	67		80		67-130	18		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02-04,10-12,17,25 Batch: WG1658902-3 WG1658902-4								
Chloroethane	64		74		50-151	14		30
1,1-Dichloroethene	71		83		65-135	16		30
trans-1,2-Dichloroethene	73		83		70-130	13		30
Trichloroethene	92		106		70-130	14		30
1,2-Dichlorobenzene	84		90		70-130	7		30
1,3-Dichlorobenzene	84		91		70-130	8		30
1,4-Dichlorobenzene	83		89		70-130	7		30
Methyl tert butyl ether	86		92		66-130	7		30
p/m-Xylene	85		94		70-130	10		30
o-Xylene	84		92		70-130	9		30
cis-1,2-Dichloroethene	72		83		70-130	14		30
Styrene	86		93		70-130	8		30
Dichlorodifluoromethane	62		73		30-146	16		30
Acetone	80		85		54-140	6		30
Carbon disulfide	76		90		59-130	17		30
2-Butanone	80		72		70-130	11		30
4-Methyl-2-pentanone	85		87		70-130	2		30
2-Hexanone	87		90		70-130	3		30
Bromochloromethane	76		81		70-130	6		30
1,2-Dibromoethane	79		83		70-130	5		30
1,2-Dibromo-3-chloropropane	86		89		68-130	3		30
Isopropylbenzene	86		95		70-130	10		30
1,2,3-Trichlorobenzene	87		93		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02-04,10-12,17,25 Batch: WG1658902-3 WG1658902-4								
1,2,4-Trichlorobenzene	89		95		70-130	7		30
Methyl Acetate	78		75		51-146	4		30
Cyclohexane	79		93		59-142	16		30
1,4-Dioxane	82		85		65-136	4		30
Freon-113	77		89		50-139	14		30
Methyl cyclohexane	83		97		70-130	16		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	82		82		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	103		103		70-130
Dibromofluoromethane	84		86		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 03-04 Batch: WG1658917-3 WG1658917-4								
Chloroform	89		92		70-130	3		20
Carbon tetrachloride	71		74		63-132	4		20
Tetrachloroethene	88		89		70-130	1		20
Chlorobenzene	96		99		75-130	3		25
1,2-Dichloroethane	81		83		70-130	2		20
Benzene	100		110		70-130	10		25
Vinyl chloride	130		120		55-140	8		20
1,1-Dichloroethene	97		100		61-145	3		25
Trichloroethene	91		96		70-130	5		25
1,4-Dichlorobenzene	98		100		70-130	2		20
2-Butanone	81		84		63-138	4		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	82		82		70-130
Toluene-d8	112		111		70-130
4-Bromofluorobenzene	118		116		70-130
dibromofluoromethane	82		83		70-130

SEMIVOLATILES

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-01
 Client ID: TP-ST24-06-01-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 09:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/28/22 20:36
 Analyst: CMM
 Percent Solids: 68%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 20:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	220		ug/kg	190	25.	1
Hexachlorobenzene	ND		ug/kg	140	27.	1
Bis(2-chloroethyl)ether	ND		ug/kg	220	33.	1
2-Chloronaphthalene	ND		ug/kg	240	24.	1
3,3'-Dichlorobenzidine	ND		ug/kg	240	64.	1
2,4-Dinitrotoluene	ND		ug/kg	240	48.	1
2,6-Dinitrotoluene	ND		ug/kg	240	41.	1
Fluoranthene	1400		ug/kg	140	28.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	240	26.	1
4-Bromophenyl phenyl ether	ND		ug/kg	240	37.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	290	41.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	260	24.	1
Hexachlorobutadiene	ND		ug/kg	240	35.	1
Hexachlorocyclopentadiene	ND		ug/kg	690	220	1
Hexachloroethane	ND		ug/kg	190	39.	1
Isophorone	ND		ug/kg	220	31.	1
Naphthalene	110	J	ug/kg	240	29.	1
Nitrobenzene	ND		ug/kg	220	36.	1
NDPA/DPA	ND		ug/kg	190	27.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	240	37.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	240	84.	1
Butyl benzyl phthalate	ND		ug/kg	240	61.	1
Di-n-butylphthalate	ND		ug/kg	240	46.	1
Di-n-octylphthalate	ND		ug/kg	240	82.	1
Diethyl phthalate	ND		ug/kg	240	22.	1
Dimethyl phthalate	ND		ug/kg	240	51.	1
Benzo(a)anthracene	810		ug/kg	140	27.	1
Benzo(a)pyrene	1400		ug/kg	190	59.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-01
 Client ID: TP-ST24-06-01-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 09:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	1500		ug/kg	140	41.	1
Benzo(k)fluoranthene	520		ug/kg	140	39.	1
Chrysene	950		ug/kg	140	25.	1
Acenaphthylene	46	J	ug/kg	190	37.	1
Anthracene	120	J	ug/kg	140	47.	1
Benzo(ghi)perylene	1000		ug/kg	190	28.	1
Fluorene	63	J	ug/kg	240	23.	1
Phenanthrene	660		ug/kg	140	29.	1
Dibenzo(a,h)anthracene	180		ug/kg	140	28.	1
Indeno(1,2,3-cd)pyrene	1100		ug/kg	190	34.	1
Pyrene	1300		ug/kg	140	24.	1
Biphenyl	ND		ug/kg	550	31.	1
4-Chloroaniline	ND		ug/kg	240	44.	1
2-Nitroaniline	ND		ug/kg	240	46.	1
3-Nitroaniline	ND		ug/kg	240	46.	1
4-Nitroaniline	ND		ug/kg	240	100	1
Dibenzofuran	42	J	ug/kg	240	23.	1
2-Methylnaphthalene	67	J	ug/kg	290	29.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	240	25.	1
Acetophenone	ND		ug/kg	240	30.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	46.	1
p-Chloro-m-cresol	ND		ug/kg	240	36.	1
2-Chlorophenol	ND		ug/kg	240	28.	1
2,4-Dichlorophenol	ND		ug/kg	220	39.	1
2,4-Dimethylphenol	ND		ug/kg	240	80.	1
2-Nitrophenol	ND		ug/kg	520	91.	1
4-Nitrophenol	ND		ug/kg	340	98.	1
2,4-Dinitrophenol	ND		ug/kg	1200	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	630	120	1
Pentachlorophenol	ND		ug/kg	190	53.	1
Phenol	ND		ug/kg	240	36.	1
2-Methylphenol	ND		ug/kg	240	37.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	350	38.	1
2,4,5-Trichlorophenol	ND		ug/kg	240	46.	1
Carbazole	120	J	ug/kg	240	23.	1
Atrazine	ND		ug/kg	190	84.	1
Benzaldehyde	ND		ug/kg	320	65.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-01
 Client ID: TP-ST24-06-01-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 09:45
 Date Received: 06/16/22
 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	240	73.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	240	49.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	84		10-136
4-Terphenyl-d14	75		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-02
 Client ID: TP-ST24-618-01-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 09:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/30/22 17:07
 Analyst: JG
 Percent Solids: 75%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 23:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	220	21.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	43.	1
2,6-Dinitrotoluene	ND		ug/kg	220	37.	1
Fluoranthene	35	J	ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	200	1
Hexachloroethane	ND		ug/kg	170	35.	1
Isophorone	ND		ug/kg	190	28.	1
Naphthalene	100	J	ug/kg	220	26.	1
Nitrobenzene	ND		ug/kg	190	32.	1
NDPA/DPA	ND		ug/kg	170	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	75.	1
Butyl benzyl phthalate	ND		ug/kg	220	54.	1
Di-n-butylphthalate	ND		ug/kg	220	41.	1
Di-n-octylphthalate	ND		ug/kg	220	74.	1
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	45.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	53.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLI

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-02
 Client ID: TP-ST24-618-01-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 09:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	130	36.	1
Benzo(k)fluoranthene	ND		ug/kg	130	35.	1
Chrysene	22	J	ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	42.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	30.	1
Pyrene	33	J	ug/kg	130	22.	1
Biphenyl	ND		ug/kg	490	28.	1
4-Chloroaniline	ND		ug/kg	220	39.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	41.	1
4-Nitroaniline	ND		ug/kg	220	90.	1
Dibenzofuran	ND		ug/kg	220	20.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	22.	1
Acetophenone	60	J	ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
p-Chloro-m-cresol	ND		ug/kg	220	32.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	190	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	71.	1
2-Nitrophenol	ND		ug/kg	470	81.	1
4-Nitrophenol	ND		ug/kg	300	88.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	100	1
Pentachlorophenol	ND		ug/kg	170	48.	1
Phenol	440		ug/kg	220	33.	1
2-Methylphenol	66	J	ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	64	J	ug/kg	310	34.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	41.	1
Carbazole	ND		ug/kg	220	21.	1
Atrazine	ND		ug/kg	170	76.	1
Benzaldehyde	ND		ug/kg	280	58.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-02
 Client ID: TP-ST24-618-01-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 09:45
 Date Received: 06/16/22
 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	220	66.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	44.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	69		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-03
 Client ID: TP-ST24-06-02-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/06/22 06:22
 Analyst: SLR
 Percent Solids: 67%
 TCLP/SPLP Ext. Date: 06/24/22 06:22

Extraction Method: EPA 3510C
 Extraction Date: 06/30/22 20:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
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	ND		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	69		21-120
Phenol-d6	67		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	71		33-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-03
 Client ID: TP-ST24-06-02-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/09/22 16:41
 Analyst: CMM
 Percent Solids: 67%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 23:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	33	J	ug/kg	190	25.	1
Hexachlorobenzene	ND		ug/kg	140	27.	1
Bis(2-chloroethyl)ether	ND		ug/kg	220	33.	1
2-Chloronaphthalene	ND		ug/kg	240	24.	1
3,3'-Dichlorobenzidine	ND		ug/kg	240	65.	1
2,4-Dinitrotoluene	ND		ug/kg	240	48.	1
2,6-Dinitrotoluene	ND		ug/kg	240	42.	1
Fluoranthene	680		ug/kg	140	28.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	240	26.	1
4-Bromophenyl phenyl ether	ND		ug/kg	240	37.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	290	42.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	260	24.	1
Hexachlorobutadiene	ND		ug/kg	240	36.	1
Hexachlorocyclopentadiene	ND		ug/kg	690	220	1
Hexachloroethane	ND		ug/kg	190	39.	1
Isophorone	ND		ug/kg	220	32.	1
Naphthalene	550		ug/kg	240	30.	1
Nitrobenzene	ND		ug/kg	220	36.	1
NDPA/DPA	ND		ug/kg	190	28.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	240	38.	1
Bis(2-ethylhexyl)phthalate	120	J	ug/kg	240	84.	1
Butyl benzyl phthalate	ND		ug/kg	240	61.	1
Di-n-butylphthalate	150	J	ug/kg	240	46.	1
Di-n-octylphthalate	ND		ug/kg	240	83.	1
Diethyl phthalate	ND		ug/kg	240	22.	1
Dimethyl phthalate	ND		ug/kg	240	51.	1
Benzo(a)anthracene	280		ug/kg	140	27.	1
Benzo(a)pyrene	350		ug/kg	190	59.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-03
 Client ID: TP-ST24-06-02-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	610		ug/kg	140	41.	1
Benzo(k)fluoranthene	150		ug/kg	140	39.	1
Chrysene	460		ug/kg	140	25.	1
Acenaphthylene	95	J	ug/kg	190	38.	1
Anthracene	ND		ug/kg	140	47.	1
Benzo(ghi)perylene	260		ug/kg	190	28.	1
Fluorene	62	J	ug/kg	240	24.	1
Phenanthrene	580		ug/kg	140	30.	1
Dibenzo(a,h)anthracene	57	J	ug/kg	140	28.	1
Indeno(1,2,3-cd)pyrene	290		ug/kg	190	34.	1
Pyrene	530		ug/kg	140	24.	1
Biphenyl	120	J	ug/kg	550	32.	1
4-Chloroaniline	ND		ug/kg	240	44.	1
2-Nitroaniline	ND		ug/kg	240	47.	1
3-Nitroaniline	ND		ug/kg	240	46.	1
4-Nitroaniline	ND		ug/kg	240	100	1
Dibenzofuran	120	J	ug/kg	240	23.	1
2-Methylnaphthalene	380		ug/kg	290	29.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	240	25.	1
Acetophenone	680		ug/kg	240	30.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	46.	1
p-Chloro-m-cresol	ND		ug/kg	240	36.	1
2-Chlorophenol	ND		ug/kg	240	29.	1
2,4-Dichlorophenol	ND		ug/kg	220	39.	1
2,4-Dimethylphenol	ND		ug/kg	240	80.	1
2-Nitrophenol	ND		ug/kg	520	91.	1
4-Nitrophenol	ND		ug/kg	340	99.	1
2,4-Dinitrophenol	ND		ug/kg	1200	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	630	120	1
Pentachlorophenol	ND		ug/kg	190	53.	1
Phenol	ND		ug/kg	240	37.	1
2-Methylphenol	69	J	ug/kg	240	38.	1
3-Methylphenol/4-Methylphenol	78	J	ug/kg	350	38.	1
2,4,5-Trichlorophenol	ND		ug/kg	240	46.	1
Carbazole	47	J	ug/kg	240	24.	1
Atrazine	ND		ug/kg	190	85.	1
Benzaldehyde	2400		ug/kg	320	66.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-03
 Client ID: TP-ST24-06-02-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:15
 Date Received: 06/16/22
 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	240	74.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	240	49.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	84		10-136
4-Terphenyl-d14	71		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-04
 Client ID: TP-ST24-618-02-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/06/22 06:46
 Analyst: SLR
 Percent Solids: 81%
 TCLP/SPLP Ext. Date: 06/24/22 06:22

Extraction Method: EPA 3510C
 Extraction Date: 06/30/22 20:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
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	10	J	ug/l	25	5.5	1
3-Methylphenol/4-Methylphenol	12	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	75		21-120
Phenol-d6	74		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	80		33-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-04
 Client ID: TP-ST24-618-02-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/28/22 20:59
 Analyst: CMM
 Percent Solids: 81%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 20:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	940		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-04
 Client ID: TP-ST24-618-02-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	26.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	48	J	ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	970	94.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	97.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	510		ug/kg	200	30.	1
2-Methylphenol	160	J	ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	190	J	ug/kg	290	32.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Carbazole	ND		ug/kg	200	20.	1
Atrazine	ND		ug/kg	160	71.	1
Benzaldehyde	ND		ug/kg	270	55.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-04
 Client ID: TP-ST24-618-02-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:15
 Date Received: 06/16/22
 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	200	61.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	41.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	74		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-05
 Client ID: TP-ST24-06-03-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/30/22 00:26
 Analyst: WR
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 23:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-05
 Client ID: TP-ST24-06-03-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Carbazole	ND		ug/kg	180	18.	1
Atrazine	ND		ug/kg	150	64.	1
Benzaldehyde	ND		ug/kg	240	50.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-05
 Client ID: TP-ST24-06-03-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:30
 Date Received: 06/16/22
 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	180	56.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	37.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	55		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-06
 Client ID: TP-ST24-618-03-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/05/22 14:44
 Analyst: CMM
 Percent Solids: 81%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 23:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	41.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-06
 Client ID: TP-ST24-618-03-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	26.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	83.	1
2,4-Dinitrophenol	ND		ug/kg	970	95.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	97.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Carbazole	ND		ug/kg	200	20.	1
Atrazine	ND		ug/kg	160	71.	1
Benzaldehyde	ND		ug/kg	270	55.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-06
 Client ID: TP-ST24-618-03-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:30
 Date Received: 06/16/22
 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	200	62.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	41.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	99		25-120
Phenol-d6	103		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	98		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	100		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-07
 Client ID: TP-ST24-06-04-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/05/22 16:18
 Analyst: IM
 Percent Solids: 82%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 23:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-07
 Client ID: TP-ST24-06-04-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	81.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	420	74.	1
4-Nitrophenol	ND		ug/kg	280	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Carbazole	ND		ug/kg	200	19.	1
Atrazine	ND		ug/kg	160	69.	1
Benzaldehyde	ND		ug/kg	260	53.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-07
 Client ID: TP-ST24-06-04-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 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	200	60.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	40.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	88		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-08
 Client ID: TP-ST24-618-04-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/05/22 16:42
 Analyst: IM
 Percent Solids: 80%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 23:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	210	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	41.	1
2,6-Dinitrotoluene	ND		ug/kg	210	35.	1
Fluoranthene	ND		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	210	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	190	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	27.	1
Naphthalene	ND		ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	71.	1
Butyl benzyl phthalate	ND		ug/kg	210	52.	1
Di-n-butylphthalate	ND		ug/kg	210	39.	1
Di-n-octylphthalate	ND		ug/kg	210	70.	1
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	43.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-08
 Client ID: TP-ST24-618-04-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	29.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	470	27.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	85.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	210	68.	1
2-Nitrophenol	ND		ug/kg	440	78.	1
4-Nitrophenol	ND		ug/kg	290	84.	1
2,4-Dinitrophenol	ND		ug/kg	990	96.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	99.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	210	31.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Carbazole	ND		ug/kg	210	20.	1
Atrazine	ND		ug/kg	160	72.	1
Benzaldehyde	ND		ug/kg	270	56.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-08
 Client ID: TP-ST24-618-04-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 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	210	63.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	42.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	66		10-136
4-Terphenyl-d14	73		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-09
 Client ID: TP-ST24-06-05-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/06/22 08:21
 Analyst: SLR
 Percent Solids: 62%
 TCLP/SPLP Ext. Date: 06/24/22 06:22

Extraction Method: EPA 3510C
 Extraction Date: 06/30/22 20:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
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	ND		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	79		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	85		33-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-09
 Client ID: TP-ST24-06-05-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/08/22 15:36
 Analyst: JG
 Percent Solids: 62%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 20:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	210	27.	1
Hexachlorobenzene	ND		ug/kg	160	29.	1
Bis(2-chloroethyl)ether	ND		ug/kg	230	35.	1
2-Chloronaphthalene	ND		ug/kg	260	26.	1
3,3'-Dichlorobenzidine	ND		ug/kg	260	69.	1
2,4-Dinitrotoluene	ND		ug/kg	260	52.	1
2,6-Dinitrotoluene	ND		ug/kg	260	45.	1
Fluoranthene	170		ug/kg	160	30.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	260	28.	1
4-Bromophenyl phenyl ether	ND		ug/kg	260	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	310	44.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	280	26.	1
Hexachlorobutadiene	ND		ug/kg	260	38.	1
Hexachlorocyclopentadiene	ND		ug/kg	740	240	1
Hexachloroethane	ND		ug/kg	210	42.	1
Isophorone	ND		ug/kg	230	34.	1
Naphthalene	45	J	ug/kg	260	32.	1
Nitrobenzene	ND		ug/kg	230	38.	1
NDPA/DPA	ND		ug/kg	210	30.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	260	40.	1
Bis(2-ethylhexyl)phthalate	110	J	ug/kg	260	90.	1
Butyl benzyl phthalate	100	J	ug/kg	260	66.	1
Di-n-butylphthalate	ND		ug/kg	260	49.	1
Di-n-octylphthalate	ND		ug/kg	260	88.	1
Diethyl phthalate	ND		ug/kg	260	24.	1
Dimethyl phthalate	ND		ug/kg	260	55.	1
Benzo(a)anthracene	99	J	ug/kg	160	29.	1
Benzo(a)pyrene	69	J	ug/kg	210	64.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-09
 Client ID: TP-ST24-06-05-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	88	J	ug/kg	160	44.	1
Benzo(k)fluoranthene	43	J	ug/kg	160	42.	1
Chrysene	81	J	ug/kg	160	27.	1
Acenaphthylene	ND		ug/kg	210	40.	1
Anthracene	ND		ug/kg	160	51.	1
Benzo(ghi)perylene	ND		ug/kg	210	31.	1
Fluorene	ND		ug/kg	260	25.	1
Phenanthrene	150	J	ug/kg	160	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	160	30.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	210	36.	1
Pyrene	120	J	ug/kg	160	26.	1
Biphenyl	ND		ug/kg	590	34.	1
4-Chloroaniline	ND		ug/kg	260	47.	1
2-Nitroaniline	ND		ug/kg	260	50.	1
3-Nitroaniline	ND		ug/kg	260	49.	1
4-Nitroaniline	ND		ug/kg	260	110	1
Dibenzofuran	ND		ug/kg	260	25.	1
2-Methylnaphthalene	ND		ug/kg	310	31.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	260	27.	1
Acetophenone	ND		ug/kg	260	32.	1
2,4,6-Trichlorophenol	ND		ug/kg	160	49.	1
p-Chloro-m-cresol	ND		ug/kg	260	39.	1
2-Chlorophenol	ND		ug/kg	260	31.	1
2,4-Dichlorophenol	ND		ug/kg	230	42.	1
2,4-Dimethylphenol	ND		ug/kg	260	86.	1
2-Nitrophenol	ND		ug/kg	560	98.	1
4-Nitrophenol	ND		ug/kg	360	110	1
2,4-Dinitrophenol	ND		ug/kg	1200	120	1
4,6-Dinitro-o-cresol	ND		ug/kg	680	120	1
Pentachlorophenol	ND		ug/kg	210	57.	1
Phenol	1100		ug/kg	260	39.	1
2-Methylphenol	ND		ug/kg	260	40.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	380	41.	1
2,4,5-Trichlorophenol	ND		ug/kg	260	50.	1
Carbazole	ND		ug/kg	260	25.	1
Atrazine	ND		ug/kg	210	91.	1
Benzaldehyde	ND		ug/kg	340	70.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-09
 Client ID: TP-ST24-06-05-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:00
 Date Received: 06/16/22
 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	260	79.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	260	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	90		25-120
Phenol-d6	94		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	114		10-136
4-Terphenyl-d14	96		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-10
 Client ID: TP-ST24-618-05-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/05/22 17:06
 Analyst: IM
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 23:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	26	J	ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	41.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLI

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-10
 Client ID: TP-ST24-618-05-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	38.	1
3-Nitroaniline	ND		ug/kg	190	37.	1
4-Nitroaniline	ND		ug/kg	190	81.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	93.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	4200		ug/kg	190	29.	1
2-Methylphenol	260		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	310		ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Carbazole	ND		ug/kg	190	19.	1
Atrazine	ND		ug/kg	160	68.	1
Benzaldehyde	160	J	ug/kg	260	52.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-10
 Client ID: TP-ST24-618-05-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	82	J	ug/kg	190	59.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	39.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	75		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-11
 Client ID: TP-ST24-06-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/05/22 17:30
 Analyst: IM
 Percent Solids: 69%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 23:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	100	J	ug/kg	190	25.	1
Hexachlorobenzene	ND		ug/kg	140	27.	1
Bis(2-chloroethyl)ether	ND		ug/kg	220	32.	1
2-Chloronaphthalene	ND		ug/kg	240	24.	1
3,3'-Dichlorobenzidine	ND		ug/kg	240	64.	1
2,4-Dinitrotoluene	ND		ug/kg	240	48.	1
2,6-Dinitrotoluene	ND		ug/kg	240	41.	1
Fluoranthene	2700		ug/kg	140	28.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	240	26.	1
4-Bromophenyl phenyl ether	ND		ug/kg	240	36.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	290	41.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	260	24.	1
Hexachlorobutadiene	ND		ug/kg	240	35.	1
Hexachlorocyclopentadiene	ND		ug/kg	680	220	1
Hexachloroethane	ND		ug/kg	190	39.	1
Isophorone	ND		ug/kg	220	31.	1
Naphthalene	140	J	ug/kg	240	29.	1
Nitrobenzene	ND		ug/kg	220	35.	1
NDPA/DPA	ND		ug/kg	190	27.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	240	37.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	240	83.	1
Butyl benzyl phthalate	ND		ug/kg	240	60.	1
Di-n-butylphthalate	ND		ug/kg	240	45.	1
Di-n-octylphthalate	ND		ug/kg	240	81.	1
Diethyl phthalate	ND		ug/kg	240	22.	1
Dimethyl phthalate	ND		ug/kg	240	50.	1
Benzo(a)anthracene	1200		ug/kg	140	27.	1
Benzo(a)pyrene	1300		ug/kg	190	58.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-11
 Client ID: TP-ST24-06-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	1600		ug/kg	140	40.	1
Benzo(k)fluoranthene	560		ug/kg	140	38.	1
Chrysene	1300		ug/kg	140	25.	1
Acenaphthylene	510		ug/kg	190	37.	1
Anthracene	560		ug/kg	140	47.	1
Benzo(ghi)perylene	830		ug/kg	190	28.	1
Fluorene	310		ug/kg	240	23.	1
Phenanthrene	2100		ug/kg	140	29.	1
Dibenzo(a,h)anthracene	250		ug/kg	140	28.	1
Indeno(1,2,3-cd)pyrene	960		ug/kg	190	33.	1
Pyrene	2100		ug/kg	140	24.	1
Biphenyl	ND		ug/kg	550	31.	1
4-Chloroaniline	ND		ug/kg	240	44.	1
2-Nitroaniline	ND		ug/kg	240	46.	1
3-Nitroaniline	ND		ug/kg	240	45.	1
4-Nitroaniline	ND		ug/kg	240	99.	1
Dibenzofuran	ND		ug/kg	240	23.	1
2-Methylnaphthalene	58	J	ug/kg	290	29.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	240	25.	1
Acetophenone	34	J	ug/kg	240	30.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	45.	1
p-Chloro-m-cresol	ND		ug/kg	240	36.	1
2-Chlorophenol	ND		ug/kg	240	28.	1
2,4-Dichlorophenol	ND		ug/kg	220	38.	1
2,4-Dimethylphenol	ND		ug/kg	240	79.	1
2-Nitrophenol	ND		ug/kg	520	90.	1
4-Nitrophenol	ND		ug/kg	340	98.	1
2,4-Dinitrophenol	ND		ug/kg	1200	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	620	120	1
Pentachlorophenol	ND		ug/kg	190	53.	1
Phenol	1100		ug/kg	240	36.	1
2-Methylphenol	62	J	ug/kg	240	37.	1
3-Methylphenol/4-Methylphenol	74	J	ug/kg	340	38.	1
2,4,5-Trichlorophenol	ND		ug/kg	240	46.	1
Carbazole	280		ug/kg	240	23.	1
Atrazine	ND		ug/kg	190	84.	1
Benzaldehyde	ND		ug/kg	320	65.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-11
 Client ID: TP-ST24-06-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:15
 Date Received: 06/16/22
 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	240	73.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	240	48.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	58		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-12
 Client ID: TP-ST24-618-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/08/22 14:05
 Analyst: CMM
 Percent Solids: 80%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 23:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	41.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	470		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	27.	1
Naphthalene	74	J	ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	71.	1
Butyl benzyl phthalate	ND		ug/kg	200	52.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	70.	1
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	170		ug/kg	120	23.	1
Benzo(a)pyrene	150	J	ug/kg	160	50.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-12
 Client ID: TP-ST24-618-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	190		ug/kg	120	34.	1
Benzo(k)fluoranthene	65	J	ug/kg	120	33.	1
Chrysene	160		ug/kg	120	21.	1
Acenaphthylene	46	J	ug/kg	160	32.	1
Anthracene	54	J	ug/kg	120	40.	1
Benzo(ghi)perylene	63	J	ug/kg	160	24.	1
Fluorene	77	J	ug/kg	200	20.	1
Phenanthrene	290		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	80	J	ug/kg	160	28.	1
Pyrene	320		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	470	27.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	40.	1
3-Nitroaniline	ND		ug/kg	200	39.	1
4-Nitroaniline	ND		ug/kg	200	85.	1
Dibenzofuran	42	J	ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	68.	1
2-Nitrophenol	ND		ug/kg	440	77.	1
4-Nitrophenol	ND		ug/kg	290	84.	1
2,4-Dinitrophenol	ND		ug/kg	980	96.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	98.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	940		ug/kg	200	31.	1
2-Methylphenol	380		ug/kg	200	32.	1
3-Methylphenol/4-Methylphenol	410		ug/kg	300	32.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Carbazole	44	J	ug/kg	200	20.	1
Atrazine	ND		ug/kg	160	72.	1
Benzaldehyde	ND		ug/kg	270	55.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-12
 Client ID: TP-ST24-618-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:15
 Date Received: 06/16/22
 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	200	62.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	41.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	91		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	115		10-136
4-Terphenyl-d14	92		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-13
 Client ID: TP-ST24-06-07-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/08/22 15:12
 Analyst: JG
 Percent Solids: 73%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 20:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	330		ug/kg	180	24.	1
Hexachlorobenzene	ND		ug/kg	140	26.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	31.	1
2-Chloronaphthalene	ND		ug/kg	230	23.	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	61.	1
2,4-Dinitrotoluene	ND		ug/kg	230	46.	1
2,6-Dinitrotoluene	ND		ug/kg	230	39.	1
Fluoranthene	9600	E	ug/kg	140	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	230	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	35.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	39.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	250	23.	1
Hexachlorobutadiene	ND		ug/kg	230	33.	1
Hexachlorocyclopentadiene	ND		ug/kg	650	210	1
Hexachloroethane	ND		ug/kg	180	37.	1
Isophorone	ND		ug/kg	200	30.	1
Naphthalene	400		ug/kg	230	28.	1
Nitrobenzene	ND		ug/kg	200	34.	1
NDPA/DPA	ND		ug/kg	180	26.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	230	35.	1
Bis(2-ethylhexyl)phthalate	100	J	ug/kg	230	79.	1
Butyl benzyl phthalate	ND		ug/kg	230	58.	1
Di-n-butylphthalate	ND		ug/kg	230	43.	1
Di-n-octylphthalate	ND		ug/kg	230	78.	1
Diethyl phthalate	ND		ug/kg	230	21.	1
Dimethyl phthalate	ND		ug/kg	230	48.	1
Benzo(a)anthracene	6200		ug/kg	140	26.	1
Benzo(a)pyrene	5900		ug/kg	180	56.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-13
 Client ID: TP-ST24-06-07-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	7200		ug/kg	140	38.	1
Benzo(k)fluoranthene	1900		ug/kg	140	37.	1
Chrysene	4900		ug/kg	140	24.	1
Acenaphthylene	1900		ug/kg	180	35.	1
Anthracene	3100		ug/kg	140	45.	1
Benzo(ghi)perylene	3000		ug/kg	180	27.	1
Fluorene	2800		ug/kg	230	22.	1
Phenanthrene	11000	E	ug/kg	140	28.	1
Dibenzo(a,h)anthracene	800		ug/kg	140	26.	1
Indeno(1,2,3-cd)pyrene	3900		ug/kg	180	32.	1
Pyrene	8700		ug/kg	140	23.	1
Biphenyl	150	J	ug/kg	520	30.	1
4-Chloroaniline	ND		ug/kg	230	42.	1
2-Nitroaniline	ND		ug/kg	230	44.	1
3-Nitroaniline	ND		ug/kg	230	43.	1
4-Nitroaniline	ND		ug/kg	230	95.	1
Dibenzofuran	1500		ug/kg	230	22.	1
2-Methylnaphthalene	330		ug/kg	270	28.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	230	24.	1
Acetophenone	ND		ug/kg	230	28.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	43.	1
p-Chloro-m-cresol	ND		ug/kg	230	34.	1
2-Chlorophenol	ND		ug/kg	230	27.	1
2,4-Dichlorophenol	ND		ug/kg	200	37.	1
2,4-Dimethylphenol	ND		ug/kg	230	76.	1
2-Nitrophenol	ND		ug/kg	490	86.	1
4-Nitrophenol	ND		ug/kg	320	93.	1
2,4-Dinitrophenol	ND		ug/kg	1100	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	590	110	1
Pentachlorophenol	ND		ug/kg	180	50.	1
Phenol	270		ug/kg	230	34.	1
2-Methylphenol	ND		ug/kg	230	35.	1
3-Methylphenol/4-Methylphenol	90	J	ug/kg	330	36.	1
2,4,5-Trichlorophenol	ND		ug/kg	230	44.	1
Carbazole	1400		ug/kg	230	22.	1
Atrazine	ND		ug/kg	180	80.	1
Benzaldehyde	ND		ug/kg	300	62.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-13
 Client ID: TP-ST24-06-07-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:30
 Date Received: 06/16/22
 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	230	70.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	230	46.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	121		10-136
4-Terphenyl-d14	83		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-13 D
 Client ID: TP-ST24-06-07-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/08/22 20:20
 Analyst: JG
 Percent Solids: 73%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 20:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	15000		ug/kg	690	130	5
Phenanthrene	14000		ug/kg	690	140	5

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-14
 Client ID: TP-ST24-618-07-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/08/22 14:29
 Analyst: CMM
 Percent Solids: 78%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 23:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	740		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	94	J	ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	73.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	71.	1
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	290		ug/kg	130	24.	1
Benzo(a)pyrene	260		ug/kg	170	51.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-14
 Client ID: TP-ST24-618-07-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	310		ug/kg	130	35.	1
Benzo(k)fluoranthene	120	J	ug/kg	130	34.	1
Chrysene	270		ug/kg	130	22.	1
Acenaphthylene	77	J	ug/kg	170	32.	1
Anthracene	140		ug/kg	130	41.	1
Benzo(ghi)perylene	130	J	ug/kg	170	25.	1
Fluorene	110	J	ug/kg	210	20.	1
Phenanthrene	620		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	30	J	ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	160	J	ug/kg	170	29.	1
Pyrene	490		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	480	27.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	87.	1
Dibenzofuran	68	J	ug/kg	210	20.	1
2-Methylnaphthalene	33	J	ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	69.	1
2-Nitrophenol	ND		ug/kg	450	79.	1
4-Nitrophenol	ND		ug/kg	290	86.	1
2,4-Dinitrophenol	ND		ug/kg	1000	98.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	120	J	ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Carbazole	65	J	ug/kg	210	20.	1
Atrazine	ND		ug/kg	170	74.	1
Benzaldehyde	ND		ug/kg	280	57.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-14
 Client ID: TP-ST24-618-07-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:30
 Date Received: 06/16/22
 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	210	64.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	42.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	104		25-120
Phenol-d6	102		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	102		30-120
2,4,6-Tribromophenol	132		10-136
4-Terphenyl-d14	101		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-15
 Client ID: TP-ST24-06-08-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/05/22 18:42
 Analyst: IM
 Percent Solids: 57%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 23:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	770		ug/kg	230	30.	1
Hexachlorobenzene	ND		ug/kg	170	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	260	39.	1
2-Chloronaphthalene	ND		ug/kg	290	28.	1
3,3'-Dichlorobenzidine	ND		ug/kg	290	76.	1
2,4-Dinitrotoluene	ND		ug/kg	290	58.	1
2,6-Dinitrotoluene	ND		ug/kg	290	49.	1
Fluoranthene	3800		ug/kg	170	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	290	31.	1
4-Bromophenyl phenyl ether	ND		ug/kg	290	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	340	49.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	310	29.	1
Hexachlorobutadiene	ND		ug/kg	290	42.	1
Hexachlorocyclopentadiene	ND		ug/kg	820	260	1
Hexachloroethane	ND		ug/kg	230	46.	1
Isophorone	ND		ug/kg	260	37.	1
Naphthalene	500		ug/kg	290	35.	1
Nitrobenzene	ND		ug/kg	260	42.	1
NDPA/DPA	ND		ug/kg	230	33.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	290	44.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	290	100	1
Butyl benzyl phthalate	ND		ug/kg	290	72.	1
Di-n-butylphthalate	61	J	ug/kg	290	54.	1
Di-n-octylphthalate	ND		ug/kg	290	98.	1
Diethyl phthalate	ND		ug/kg	290	27.	1
Dimethyl phthalate	ND		ug/kg	290	60.	1
Benzo(a)anthracene	2500		ug/kg	170	32.	1
Benzo(a)pyrene	4300		ug/kg	230	70.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-15
 Client ID: TP-ST24-06-08-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	4300		ug/kg	170	48.	1
Benzo(k)fluoranthene	1800		ug/kg	170	46.	1
Chrysene	2800		ug/kg	170	30.	1
Acenaphthylene	170	J	ug/kg	230	44.	1
Anthracene	410		ug/kg	170	56.	1
Benzo(ghi)perylene	3300		ug/kg	230	34.	1
Fluorene	200	J	ug/kg	290	28.	1
Phenanthrene	1800		ug/kg	170	35.	1
Dibenzo(a,h)anthracene	660		ug/kg	170	33.	1
Indeno(1,2,3-cd)pyrene	3600		ug/kg	230	40.	1
Pyrene	3600		ug/kg	170	29.	1
Biphenyl	57	J	ug/kg	660	37.	1
4-Chloroaniline	ND		ug/kg	290	52.	1
2-Nitroaniline	ND		ug/kg	290	55.	1
3-Nitroaniline	ND		ug/kg	290	54.	1
4-Nitroaniline	ND		ug/kg	290	120	1
Dibenzofuran	140	J	ug/kg	290	27.	1
2-Methylnaphthalene	260	J	ug/kg	340	35.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	290	30.	1
Acetophenone	65	J	ug/kg	290	36.	1
2,4,6-Trichlorophenol	ND		ug/kg	170	54.	1
p-Chloro-m-cresol	ND		ug/kg	290	43.	1
2-Chlorophenol	ND		ug/kg	290	34.	1
2,4-Dichlorophenol	ND		ug/kg	260	46.	1
2,4-Dimethylphenol	ND		ug/kg	290	95.	1
2-Nitrophenol	ND		ug/kg	620	110	1
4-Nitrophenol	ND		ug/kg	400	120	1
2,4-Dinitrophenol	ND		ug/kg	1400	130	1
4,6-Dinitro-o-cresol	ND		ug/kg	750	140	1
Pentachlorophenol	ND		ug/kg	230	63.	1
Phenol	85	J	ug/kg	290	43.	1
2-Methylphenol	ND		ug/kg	290	45.	1
3-Methylphenol/4-Methylphenol	110	J	ug/kg	410	45.	1
2,4,5-Trichlorophenol	ND		ug/kg	290	55.	1
Carbazole	360		ug/kg	290	28.	1
Atrazine	ND		ug/kg	230	100	1
Benzaldehyde	230	J	ug/kg	380	78.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-15
 Client ID: TP-ST24-06-08-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:45
 Date Received: 06/16/22
 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	290	87.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	290	58.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	75		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-16
 Client ID: TP-ST24-618-08-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/28/22 22:11
 Analyst: CMM
 Percent Solids: 75%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 20:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	29.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	43.	1
2,6-Dinitrotoluene	ND		ug/kg	220	37.	1
Fluoranthene	ND		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	200	1
Hexachloroethane	ND		ug/kg	170	35.	1
Isophorone	ND		ug/kg	200	28.	1
Naphthalene	ND		ug/kg	220	26.	1
Nitrobenzene	ND		ug/kg	200	32.	1
NDPA/DPA	ND		ug/kg	170	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	75.	1
Butyl benzyl phthalate	ND		ug/kg	220	55.	1
Di-n-butylphthalate	ND		ug/kg	220	41.	1
Di-n-octylphthalate	ND		ug/kg	220	74.	1
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	46.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	53.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLI

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-16
 Client ID: TP-ST24-618-08-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	130	36.	1
Benzo(k)fluoranthene	ND		ug/kg	130	35.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	42.	1
Benzo(ghi)perylene	ND		ug/kg	170	26.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	30.	1
Pyrene	ND		ug/kg	130	22.	1
Biphenyl	ND		ug/kg	490	28.	1
4-Chloroaniline	ND		ug/kg	220	39.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	41.	1
4-Nitroaniline	ND		ug/kg	220	90.	1
Dibenzofuran	ND		ug/kg	220	20.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
p-Chloro-m-cresol	ND		ug/kg	220	32.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	72.	1
2-Nitrophenol	ND		ug/kg	470	82.	1
4-Nitrophenol	ND		ug/kg	300	88.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	100	1
Pentachlorophenol	ND		ug/kg	170	48.	1
Phenol	ND		ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	34.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	42.	1
Carbazole	ND		ug/kg	220	21.	1
Atrazine	ND		ug/kg	170	76.	1
Benzaldehyde	ND		ug/kg	290	58.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-16
 Client ID: TP-ST24-618-08-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:45
 Date Received: 06/16/22
 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	220	66.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	44.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	76		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-17
 Client ID: TP-ST24-06-09-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/28/22 22:35
 Analyst: CMM
 Percent Solids: 66%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 20:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	200	26.	1
Hexachlorobenzene	ND		ug/kg	150	28.	1
Bis(2-chloroethyl)ether	ND		ug/kg	220	34.	1
2-Chloronaphthalene	ND		ug/kg	250	25.	1
3,3'-Dichlorobenzidine	ND		ug/kg	250	66.	1
2,4-Dinitrotoluene	ND		ug/kg	250	50.	1
2,6-Dinitrotoluene	ND		ug/kg	250	43.	1
Fluoranthene	91	J	ug/kg	150	28.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	250	26.	1
4-Bromophenyl phenyl ether	ND		ug/kg	250	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	300	42.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	270	25.	1
Hexachlorobutadiene	ND		ug/kg	250	36.	1
Hexachlorocyclopentadiene	ND		ug/kg	710	220	1
Hexachloroethane	ND		ug/kg	200	40.	1
Isophorone	ND		ug/kg	220	32.	1
Naphthalene	ND		ug/kg	250	30.	1
Nitrobenzene	ND		ug/kg	220	37.	1
NDPA/DPA	ND		ug/kg	200	28.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	250	38.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	250	86.	1
Butyl benzyl phthalate	ND		ug/kg	250	62.	1
Di-n-butylphthalate	ND		ug/kg	250	47.	1
Di-n-octylphthalate	ND		ug/kg	250	84.	1
Diethyl phthalate	ND		ug/kg	250	23.	1
Dimethyl phthalate	ND		ug/kg	250	52.	1
Benzo(a)anthracene	63	J	ug/kg	150	28.	1
Benzo(a)pyrene	100	J	ug/kg	200	61.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-17
 Client ID: TP-ST24-06-09-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	110	J	ug/kg	150	42.	1
Benzo(k)fluoranthene	41	J	ug/kg	150	40.	1
Chrysene	67	J	ug/kg	150	26.	1
Acenaphthylene	ND		ug/kg	200	38.	1
Anthracene	ND		ug/kg	150	48.	1
Benzo(ghi)perylene	78	J	ug/kg	200	29.	1
Fluorene	ND		ug/kg	250	24.	1
Phenanthrene	47	J	ug/kg	150	30.	1
Dibenzo(a,h)anthracene	ND		ug/kg	150	29.	1
Indeno(1,2,3-cd)pyrene	87	J	ug/kg	200	35.	1
Pyrene	88	J	ug/kg	150	25.	1
Biphenyl	ND		ug/kg	570	32.	1
4-Chloroaniline	ND		ug/kg	250	45.	1
2-Nitroaniline	ND		ug/kg	250	48.	1
3-Nitroaniline	ND		ug/kg	250	47.	1
4-Nitroaniline	ND		ug/kg	250	100	1
Dibenzofuran	ND		ug/kg	250	23.	1
2-Methylnaphthalene	ND		ug/kg	300	30.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	250	26.	1
Acetophenone	ND		ug/kg	250	31.	1
2,4,6-Trichlorophenol	ND		ug/kg	150	47.	1
p-Chloro-m-cresol	ND		ug/kg	250	37.	1
2-Chlorophenol	ND		ug/kg	250	29.	1
2,4-Dichlorophenol	ND		ug/kg	220	40.	1
2,4-Dimethylphenol	ND		ug/kg	250	82.	1
2-Nitrophenol	ND		ug/kg	540	93.	1
4-Nitrophenol	ND		ug/kg	350	100	1
2,4-Dinitrophenol	ND		ug/kg	1200	120	1
4,6-Dinitro-o-cresol	ND		ug/kg	640	120	1
Pentachlorophenol	ND		ug/kg	200	55.	1
Phenol	ND		ug/kg	250	38.	1
2-Methylphenol	ND		ug/kg	250	38.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	360	39.	1
2,4,5-Trichlorophenol	ND		ug/kg	250	48.	1
Carbazole	ND		ug/kg	250	24.	1
Atrazine	ND		ug/kg	200	87.	1
Benzaldehyde	ND		ug/kg	330	67.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-17
 Client ID: TP-ST24-06-09-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:00
 Date Received: 06/16/22
 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	250	76.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	250	50.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	67		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-18
 Client ID: TP-ST24-618-09-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/28/22 22:59
 Analyst: CMM
 Percent Solids: 71%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 20:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	24.	1
Hexachlorobenzene	ND		ug/kg	140	26.	1
Bis(2-chloroethyl)ether	ND		ug/kg	210	31.	1
2-Chloronaphthalene	ND		ug/kg	230	23.	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	61.	1
2,4-Dinitrotoluene	ND		ug/kg	230	46.	1
2,6-Dinitrotoluene	ND		ug/kg	230	39.	1
Fluoranthene	ND		ug/kg	140	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	230	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	35.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	280	39.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	250	23.	1
Hexachlorobutadiene	ND		ug/kg	230	34.	1
Hexachlorocyclopentadiene	ND		ug/kg	660	210	1
Hexachloroethane	ND		ug/kg	180	37.	1
Isophorone	ND		ug/kg	210	30.	1
Naphthalene	ND		ug/kg	230	28.	1
Nitrobenzene	ND		ug/kg	210	34.	1
NDPA/DPA	ND		ug/kg	180	26.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	230	35.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	230	79.	1
Butyl benzyl phthalate	ND		ug/kg	230	58.	1
Di-n-butylphthalate	ND		ug/kg	230	43.	1
Di-n-octylphthalate	ND		ug/kg	230	78.	1
Diethyl phthalate	ND		ug/kg	230	21.	1
Dimethyl phthalate	ND		ug/kg	230	48.	1
Benzo(a)anthracene	ND		ug/kg	140	26.	1
Benzo(a)pyrene	ND		ug/kg	180	56.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-18
 Client ID: TP-ST24-618-09-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	140	39.	1
Benzo(k)fluoranthene	ND		ug/kg	140	37.	1
Chrysene	ND		ug/kg	140	24.	1
Acenaphthylene	ND		ug/kg	180	35.	1
Anthracene	ND		ug/kg	140	45.	1
Benzo(ghi)perylene	ND		ug/kg	180	27.	1
Fluorene	ND		ug/kg	230	22.	1
Phenanthrene	ND		ug/kg	140	28.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	26.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	32.	1
Pyrene	ND		ug/kg	140	23.	1
Biphenyl	ND		ug/kg	520	30.	1
4-Chloroaniline	ND		ug/kg	230	42.	1
2-Nitroaniline	ND		ug/kg	230	44.	1
3-Nitroaniline	ND		ug/kg	230	43.	1
4-Nitroaniline	ND		ug/kg	230	95.	1
Dibenzofuran	ND		ug/kg	230	22.	1
2-Methylnaphthalene	ND		ug/kg	280	28.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	230	24.	1
Acetophenone	ND		ug/kg	230	28.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	43.	1
p-Chloro-m-cresol	ND		ug/kg	230	34.	1
2-Chlorophenol	ND		ug/kg	230	27.	1
2,4-Dichlorophenol	ND		ug/kg	210	37.	1
2,4-Dimethylphenol	ND		ug/kg	230	76.	1
2-Nitrophenol	ND		ug/kg	500	86.	1
4-Nitrophenol	ND		ug/kg	320	94.	1
2,4-Dinitrophenol	ND		ug/kg	1100	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	600	110	1
Pentachlorophenol	ND		ug/kg	180	50.	1
Phenol	87	J	ug/kg	230	35.	1
2-Methylphenol	ND		ug/kg	230	36.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	330	36.	1
2,4,5-Trichlorophenol	ND		ug/kg	230	44.	1
Carbazole	ND		ug/kg	230	22.	1
Atrazine	ND		ug/kg	180	80.	1
Benzaldehyde	ND		ug/kg	300	62.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-18
 Client ID: TP-ST24-618-09-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:00
 Date Received: 06/16/22
 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	230	70.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	230	46.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	84		10-136
4-Terphenyl-d14	72		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-19
 Client ID: TP-ST24-06-10-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/05/22 19:06
 Analyst: IM
 Percent Solids: 69%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 23:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	220		ug/kg	190	24.	1
Hexachlorobenzene	ND		ug/kg	140	26.	1
Bis(2-chloroethyl)ether	ND		ug/kg	210	32.	1
2-Chloronaphthalene	ND		ug/kg	240	23.	1
3,3'-Dichlorobenzidine	ND		ug/kg	240	63.	1
2,4-Dinitrotoluene	ND		ug/kg	240	47.	1
2,6-Dinitrotoluene	ND		ug/kg	240	40.	1
Fluoranthene	1200		ug/kg	140	27.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	240	25.	1
4-Bromophenyl phenyl ether	ND		ug/kg	240	36.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	280	40.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	250	24.	1
Hexachlorobutadiene	ND		ug/kg	240	34.	1
Hexachlorocyclopentadiene	ND		ug/kg	670	210	1
Hexachloroethane	ND		ug/kg	190	38.	1
Isophorone	ND		ug/kg	210	30.	1
Naphthalene	180	J	ug/kg	240	29.	1
Nitrobenzene	ND		ug/kg	210	35.	1
NDPA/DPA	ND		ug/kg	190	27.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	240	36.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	240	81.	1
Butyl benzyl phthalate	ND		ug/kg	240	59.	1
Di-n-butylphthalate	ND		ug/kg	240	45.	1
Di-n-octylphthalate	ND		ug/kg	240	80.	1
Diethyl phthalate	ND		ug/kg	240	22.	1
Dimethyl phthalate	ND		ug/kg	240	49.	1
Benzo(a)anthracene	730		ug/kg	140	26.	1
Benzo(a)pyrene	1200		ug/kg	190	57.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-19
 Client ID: TP-ST24-06-10-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	1300		ug/kg	140	40.	1
Benzo(k)fluoranthene	440		ug/kg	140	38.	1
Chrysene	830		ug/kg	140	24.	1
Acenaphthylene	ND		ug/kg	190	36.	1
Anthracene	120	J	ug/kg	140	46.	1
Benzo(ghi)perylene	910		ug/kg	190	28.	1
Fluorene	59	J	ug/kg	240	23.	1
Phenanthrene	530		ug/kg	140	29.	1
Dibenzo(a,h)anthracene	180		ug/kg	140	27.	1
Indeno(1,2,3-cd)pyrene	970		ug/kg	190	33.	1
Pyrene	1100		ug/kg	140	23.	1
Biphenyl	ND		ug/kg	540	31.	1
4-Chloroaniline	ND		ug/kg	240	43.	1
2-Nitroaniline	ND		ug/kg	240	45.	1
3-Nitroaniline	ND		ug/kg	240	44.	1
4-Nitroaniline	ND		ug/kg	240	97.	1
Dibenzofuran	43	J	ug/kg	240	22.	1
2-Methylnaphthalene	62	J	ug/kg	280	28.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	240	24.	1
Acetophenone	ND		ug/kg	240	29.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	45.	1
p-Chloro-m-cresol	ND		ug/kg	240	35.	1
2-Chlorophenol	ND		ug/kg	240	28.	1
2,4-Dichlorophenol	ND		ug/kg	210	38.	1
2,4-Dimethylphenol	ND		ug/kg	240	78.	1
2-Nitrophenol	ND		ug/kg	510	88.	1
4-Nitrophenol	ND		ug/kg	330	96.	1
2,4-Dinitrophenol	ND		ug/kg	1100	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	610	110	1
Pentachlorophenol	ND		ug/kg	190	52.	1
Phenol	ND		ug/kg	240	36.	1
2-Methylphenol	ND		ug/kg	240	36.	1
3-Methylphenol/4-Methylphenol	43	J	ug/kg	340	37.	1
2,4,5-Trichlorophenol	ND		ug/kg	240	45.	1
Carbazole	110	J	ug/kg	240	23.	1
Atrazine	ND		ug/kg	190	82.	1
Benzaldehyde	ND		ug/kg	310	64.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-19
 Client ID: TP-ST24-06-10-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:15
 Date Received: 06/16/22
 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	240	72.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	240	48.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	79		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-20
 Client ID: TP-ST24-618-10-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/05/22 19:29
 Analyst: IM
 Percent Solids: 77%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 23:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	27	J	ug/kg	170	22.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	150		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	ND		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	73.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	72.	1
Diethyl phthalate	ND		ug/kg	210	20.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	95	J	ug/kg	130	24.	1
Benzo(a)pyrene	150	J	ug/kg	170	52.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-20
 Client ID: TP-ST24-618-10-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	160		ug/kg	130	36.	1
Benzo(k)fluoranthene	60	J	ug/kg	130	34.	1
Chrysene	110	J	ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	41.	1
Benzo(ghi)perylene	110	J	ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	76	J	ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	120	J	ug/kg	170	30.	1
Pyrene	150		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	480	28.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	88.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	32.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	70.	1
2-Nitrophenol	ND		ug/kg	460	80.	1
4-Nitrophenol	ND		ug/kg	300	86.	1
2,4-Dinitrophenol	ND		ug/kg	1000	99.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Carbazole	ND		ug/kg	210	20.	1
Atrazine	ND		ug/kg	170	74.	1
Benzaldehyde	ND		ug/kg	280	57.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-20
 Client ID: TP-ST24-618-10-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:15
 Date Received: 06/16/22
 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	210	64.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	43.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	103		25-120
Phenol-d6	104		10-120
Nitrobenzene-d5	109		23-120
2-Fluorobiphenyl	104		30-120
2,4,6-Tribromophenol	97		10-136
4-Terphenyl-d14	102		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-21
 Client ID: TP-ST24-06-11-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 13:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/30/22 18:41
 Analyst: JG
 Percent Solids: 62%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 20:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	280		ug/kg	210	28.	1
Hexachlorobenzene	ND		ug/kg	160	30.	1
Bis(2-chloroethyl)ether	ND		ug/kg	240	36.	1
2-Chloronaphthalene	ND		ug/kg	260	26.	1
3,3'-Dichlorobenzidine	ND		ug/kg	260	71.	1
2,4-Dinitrotoluene	ND		ug/kg	260	53.	1
2,6-Dinitrotoluene	ND		ug/kg	260	46.	1
Fluoranthene	1700		ug/kg	160	30.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	260	28.	1
4-Bromophenyl phenyl ether	ND		ug/kg	260	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	320	45.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	290	27.	1
Hexachlorobutadiene	ND		ug/kg	260	39.	1
Hexachlorocyclopentadiene	ND		ug/kg	760	240	1
Hexachloroethane	ND		ug/kg	210	43.	1
Isophorone	ND		ug/kg	240	34.	1
Naphthalene	160	J	ug/kg	260	32.	1
Nitrobenzene	ND		ug/kg	240	39.	1
NDPA/DPA	ND		ug/kg	210	30.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	260	41.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	260	92.	1
Butyl benzyl phthalate	ND		ug/kg	260	67.	1
Di-n-butylphthalate	ND		ug/kg	260	50.	1
Di-n-octylphthalate	ND		ug/kg	260	90.	1
Diethyl phthalate	ND		ug/kg	260	24.	1
Dimethyl phthalate	ND		ug/kg	260	56.	1
Benzo(a)anthracene	1100		ug/kg	160	30.	1
Benzo(a)pyrene	1800		ug/kg	210	65.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-21
 Client ID: TP-ST24-06-11-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 13:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	2000		ug/kg	160	45.	1
Benzo(k)fluoranthene	630		ug/kg	160	42.	1
Chrysene	1200		ug/kg	160	28.	1
Acenaphthylene	52	J	ug/kg	210	41.	1
Anthracene	150	J	ug/kg	160	52.	1
Benzo(ghi)perylene	1400		ug/kg	210	31.	1
Fluorene	72	J	ug/kg	260	26.	1
Phenanthrene	770		ug/kg	160	32.	1
Dibenzo(a,h)anthracene	250		ug/kg	160	31.	1
Indeno(1,2,3-cd)pyrene	1500		ug/kg	210	37.	1
Pyrene	1700		ug/kg	160	26.	1
Biphenyl	ND		ug/kg	600	34.	1
4-Chloroaniline	ND		ug/kg	260	48.	1
2-Nitroaniline	ND		ug/kg	260	51.	1
3-Nitroaniline	ND		ug/kg	260	50.	1
4-Nitroaniline	ND		ug/kg	260	110	1
Dibenzofuran	51	J	ug/kg	260	25.	1
2-Methylnaphthalene	80	J	ug/kg	320	32.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	260	28.	1
Acetophenone	ND		ug/kg	260	33.	1
2,4,6-Trichlorophenol	ND		ug/kg	160	50.	1
p-Chloro-m-cresol	ND		ug/kg	260	40.	1
2-Chlorophenol	ND		ug/kg	260	31.	1
2,4-Dichlorophenol	ND		ug/kg	240	43.	1
2,4-Dimethylphenol	ND		ug/kg	260	88.	1
2-Nitrophenol	ND		ug/kg	570	100	1
4-Nitrophenol	ND		ug/kg	370	110	1
2,4-Dinitrophenol	ND		ug/kg	1300	120	1
4,6-Dinitro-o-cresol	ND		ug/kg	690	130	1
Pentachlorophenol	ND		ug/kg	210	58.	1
Phenol	ND		ug/kg	260	40.	1
2-Methylphenol	ND		ug/kg	260	41.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	380	42.	1
2,4,5-Trichlorophenol	ND		ug/kg	260	51.	1
Carbazole	120	J	ug/kg	260	26.	1
Atrazine	ND		ug/kg	210	93.	1
Benzaldehyde	ND		ug/kg	350	72.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-21
 Client ID: TP-ST24-06-11-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 13:30
 Date Received: 06/16/22
 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	260	81.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	260	54.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	62		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-22
 Client ID: TP-ST24-618-11-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 14:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/30/22 01:37
 Analyst: WR
 Percent Solids: 78%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 20:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	ND		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	610	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	28.	1
Naphthalene	ND		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	73.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	72.	1
Diethyl phthalate	ND		ug/kg	210	20.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	52.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-22
 Client ID: TP-ST24-618-11-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 14:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	130	36.	1
Benzo(k)fluoranthene	ND		ug/kg	130	34.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	41.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	21.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	30.	1
Pyrene	ND		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	480	28.	1
4-Chloroaniline	ND		ug/kg	210	39.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	88.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	32.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	70.	1
2-Nitrophenol	ND		ug/kg	460	80.	1
4-Nitrophenol	ND		ug/kg	300	87.	1
2,4-Dinitrophenol	ND		ug/kg	1000	99.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	47.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	41.	1
Carbazole	ND		ug/kg	210	21.	1
Atrazine	ND		ug/kg	170	74.	1
Benzaldehyde	ND		ug/kg	280	57.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-22
 Client ID: TP-ST24-618-11-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 14:00
 Date Received: 06/16/22
 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	210	64.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	43.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	74		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-23
 Client ID: TP-ST24-06-12-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 14:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/30/22 23:16
 Analyst: JG
 Percent Solids: 66%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 20:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	490		ug/kg	200	26.	1
Hexachlorobenzene	ND		ug/kg	150	28.	1
Bis(2-chloroethyl)ether	ND		ug/kg	220	33.	1
2-Chloronaphthalene	ND		ug/kg	250	24.	1
3,3'-Dichlorobenzidine	ND		ug/kg	250	65.	1
2,4-Dinitrotoluene	ND		ug/kg	250	49.	1
2,6-Dinitrotoluene	ND		ug/kg	250	42.	1
Fluoranthene	5400		ug/kg	150	28.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	250	26.	1
4-Bromophenyl phenyl ether	ND		ug/kg	250	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	300	42.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	260	25.	1
Hexachlorobutadiene	ND		ug/kg	250	36.	1
Hexachlorocyclopentadiene	ND		ug/kg	700	220	1
Hexachloroethane	ND		ug/kg	200	40.	1
Isophorone	ND		ug/kg	220	32.	1
Naphthalene	660		ug/kg	250	30.	1
Nitrobenzene	ND		ug/kg	220	36.	1
NDPA/DPA	ND		ug/kg	200	28.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	250	38.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	250	85.	1
Butyl benzyl phthalate	ND		ug/kg	250	62.	1
Di-n-butylphthalate	ND		ug/kg	250	47.	1
Di-n-octylphthalate	ND		ug/kg	250	84.	1
Diethyl phthalate	ND		ug/kg	250	23.	1
Dimethyl phthalate	ND		ug/kg	250	52.	1
Benzo(a)anthracene	2800		ug/kg	150	28.	1
Benzo(a)pyrene	4200		ug/kg	200	60.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-23
 Client ID: TP-ST24-06-12-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 14:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	4900		ug/kg	150	41.	1
Benzo(k)fluoranthene	1400		ug/kg	150	39.	1
Chrysene	3000		ug/kg	150	26.	1
Acenaphthylene	830		ug/kg	200	38.	1
Anthracene	680		ug/kg	150	48.	1
Benzo(ghi)perylene	2900		ug/kg	200	29.	1
Fluorene	370		ug/kg	250	24.	1
Phenanthrene	2800		ug/kg	150	30.	1
Dibenzo(a,h)anthracene	560		ug/kg	150	28.	1
Indeno(1,2,3-cd)pyrene	3300		ug/kg	200	34.	1
Pyrene	4800		ug/kg	150	24.	1
Biphenyl	56	J	ug/kg	560	32.	1
4-Chloroaniline	ND		ug/kg	250	45.	1
2-Nitroaniline	ND		ug/kg	250	47.	1
3-Nitroaniline	ND		ug/kg	250	46.	1
4-Nitroaniline	ND		ug/kg	250	100	1
Dibenzofuran	210	J	ug/kg	250	23.	1
2-Methylnaphthalene	220	J	ug/kg	300	30.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	250	26.	1
Acetophenone	ND		ug/kg	250	30.	1
2,4,6-Trichlorophenol	ND		ug/kg	150	47.	1
p-Chloro-m-cresol	ND		ug/kg	250	37.	1
2-Chlorophenol	ND		ug/kg	250	29.	1
2,4-Dichlorophenol	ND		ug/kg	220	40.	1
2,4-Dimethylphenol	ND		ug/kg	250	81.	1
2-Nitrophenol	ND		ug/kg	530	92.	1
4-Nitrophenol	ND		ug/kg	340	100	1
2,4-Dinitrophenol	ND		ug/kg	1200	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	640	120	1
Pentachlorophenol	ND		ug/kg	200	54.	1
Phenol	92	J	ug/kg	250	37.	1
2-Methylphenol	ND		ug/kg	250	38.	1
3-Methylphenol/4-Methylphenol	280	J	ug/kg	350	38.	1
2,4,5-Trichlorophenol	ND		ug/kg	250	47.	1
Carbazole	340		ug/kg	250	24.	1
Atrazine	ND		ug/kg	200	86.	1
Benzaldehyde	ND		ug/kg	320	66.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-23
 Client ID: TP-ST24-06-12-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 14:15
 Date Received: 06/16/22
 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	250	75.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	250	50.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		25-120
Phenol-d6	91		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	107		10-136
4-Terphenyl-d14	87		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-24
 Client ID: TP-ST24-618-12-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 14:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/05/22 19:53
 Analyst: IM
 Percent Solids: 82%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 23:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	68	J	ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	44	J	ug/kg	120	23.	1
Benzo(a)pyrene	68	J	ug/kg	160	49.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-24
 Client ID: TP-ST24-618-12-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 14:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	73	J	ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	48	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	52	J	ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	32	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	59	J	ug/kg	160	28.	1
Pyrene	61	J	ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	26.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	970	94.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	97.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Carbazole	ND		ug/kg	200	20.	1
Atrazine	ND		ug/kg	160	71.	1
Benzaldehyde	ND		ug/kg	270	54.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-24
 Client ID: TP-ST24-618-12-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 14:30
 Date Received: 06/16/22
 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	200	61.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	41.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	77		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-25
 Client ID: TP-ST24-40-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/06/22 05:12
 Analyst: SLR
 Percent Solids: 86%
 TCLP/SPLP Ext. Date: 06/24/22 06:22

Extraction Method: EPA 3510C
 Extraction Date: 06/30/22 20:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
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	3.6	J	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	4.7	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	78		21-120
Phenol-d6	74		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	80		33-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-25
 Client ID: TP-ST24-40-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 07/05/22 20:17
 Analyst: IM
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 23:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	27	J	ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	23	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	110	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-25
 Client ID: TP-ST24-40-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	20	J	ug/kg	110	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	53	J	ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	1500		ug/kg	190	29.	1
2-Methylphenol	98	J	ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	170	J	ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Carbazole	ND		ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	67.	1
Benzaldehyde	180	J	ug/kg	250	52.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-25
 Client ID: TP-ST24-40-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 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	190	58.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	119		25-120
Phenol-d6	127	Q	10-120
Nitrobenzene-d5	134	Q	23-120
2-Fluorobiphenyl	119		30-120
2,4,6-Tribromophenol	106		10-136
4-Terphenyl-d14	118		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-26
 Client ID: TP-ST24-1824-11-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 13:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/30/22 02:25
 Analyst: WR
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 06/25/22 20:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-26
 Client ID: TP-ST24-1824-11-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 13:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	20	J	ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	910	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Carbazole	ND		ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	67.	1
Benzaldehyde	ND		ug/kg	250	51.	1

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-26
 Client ID: TP-ST24-1824-11-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 13:30
 Date Received: 06/16/22
 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	190	58.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	102		25-120
Phenol-d6	102		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	104		30-120
2,4,6-Tribromophenol	112		10-136
4-Terphenyl-d14	105		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/26/22 18:05
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 06/25/22 18:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04,09,13,16-18,21-23,26 Batch: WG1655397-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	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	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	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	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	27.

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/26/22 18:05
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 06/25/22 18:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04,09,13,16-18,21-23,26 Batch: WG1655397-1					
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 06/26/22 18:05
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 06/25/22 18:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04,09,13,16-18,21-23,26 Batch: WG1655397-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	26.
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	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	88		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/27/22 23:50
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 06/25/22 23:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,05-08,10-12,14-15,19-20,24-25 Batch: WG1655410-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/27/22 23:50
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 06/25/22 23:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,05-08,10-12,14-15,19-20,24-25 Batch: WG1655410-1					
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	22.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	69.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 06/27/22 23:50
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 06/25/22 23:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,05-08,10-12,14-15,19-20,24-25 Batch: WG1655410-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	45.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	65		18-120

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 07/02/22 15:23
Analyst: SLR
TCLP/SPLP Extraction Date: 06/23/22 15:45

Extraction Method: EPA 3510C
Extraction Date: 06/30/22 20:26

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 03-04,09,25 Batch: WG1657701-1					
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	76		21-120
Phenol-d6	74		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	84		33-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS		LCSD		%Recovery		RPD	
	%Recovery	Qual	%Recovery	Qual	Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04,09,13,16-18,21-23,26 Batch: WG1655397-2 WG1655397-3								
Acenaphthene	71		62		31-137	14		50
Hexachlorobenzene	78		67		40-140	15		50
Bis(2-chloroethyl)ether	62		54		40-140	14		50
2-Chloronaphthalene	74		64		40-140	14		50
3,3'-Dichlorobenzidine	62		54		40-140	14		50
2,4-Dinitrotoluene	72		65		40-132	10		50
2,6-Dinitrotoluene	75		64		40-140	16		50
Fluoranthene	73		65		40-140	12		50
4-Chlorophenyl phenyl ether	75		64		40-140	16		50
4-Bromophenyl phenyl ether	74		65		40-140	13		50
Bis(2-chloroisopropyl)ether	58		49		40-140	17		50
Bis(2-chloroethoxy)methane	68		54		40-117	23		50
Hexachlorobutadiene	71		61		40-140	15		50
Hexachlorocyclopentadiene	63		49		40-140	25		50
Hexachloroethane	67		57		40-140	16		50
Isophorone	66		54		40-140	20		50
Naphthalene	70		59		40-140	17		50
Nitrobenzene	66		55		40-140	18		50
NDPA/DPA	74		66		36-157	11		50
n-Nitrosodi-n-propylamine	66		54		32-121	20		50
Bis(2-ethylhexyl)phthalate	73		64		40-140	13		50
Butyl benzyl phthalate	67		62		40-140	8		50
Di-n-butylphthalate	71		62		40-140	14		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04,09,13,16-18,21-23,26 Batch: WG1655397-2 WG1655397-3								
Di-n-octylphthalate	69		61		40-140	12		50
Diethyl phthalate	72		64		40-140	12		50
Dimethyl phthalate	74		64		40-140	14		50
Benzo(a)anthracene	73		65		40-140	12		50
Benzo(a)pyrene	75		70		40-140	7		50
Benzo(b)fluoranthene	71		66		40-140	7		50
Benzo(k)fluoranthene	76		68		40-140	11		50
Chrysene	74		66		40-140	11		50
Acenaphthylene	76		64		40-140	17		50
Anthracene	74		65		40-140	13		50
Benzo(ghi)perylene	73		66		40-140	10		50
Fluorene	74		64		40-140	14		50
Phenanthrene	74		63		40-140	16		50
Dibenzo(a,h)anthracene	71		64		40-140	10		50
Indeno(1,2,3-cd)pyrene	76		69		40-140	10		50
Pyrene	71		64		35-142	10		50
Biphenyl	72		61		37-127	17		50
4-Chloroaniline	69		56		40-140	21		50
2-Nitroaniline	75		65		47-134	14		50
3-Nitroaniline	63		57		26-129	10		50
4-Nitroaniline	66		58		41-125	13		50
Dibenzofuran	73		64		40-140	13		50
2-Methylnaphthalene	73		62		40-140	16		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04,09,13,16-18,21-23,26 Batch: WG1655397-2 WG1655397-3								
1,2,4,5-Tetrachlorobenzene	74		63		40-117	16		50
Acetophenone	65		53		14-144	20		50
2,4,6-Trichlorophenol	80		67		30-130	18		50
p-Chloro-m-cresol	77		65		26-103	17		50
2-Chlorophenol	70		58		25-102	19		50
2,4-Dichlorophenol	77		62		30-130	22		50
2,4-Dimethylphenol	73		59		30-130	21		50
2-Nitrophenol	69		54		30-130	24		50
4-Nitrophenol	77		71		11-114	8		50
2,4-Dinitrophenol	64		57		4-130	12		50
4,6-Dinitro-o-cresol	68		63		10-130	8		50
Pentachlorophenol	69		61		17-109	12		50
Phenol	70		57		26-90	20		50
2-Methylphenol	72		58		30-130	22		50
3-Methylphenol/4-Methylphenol	73		58		30-130	23		50
2,4,5-Trichlorophenol	80		68		30-130	16		50
Carbazole	74		65		54-128	13		50
Atrazine	70		60		40-140	15		50
Benzaldehyde	82		68		40-140	19		50
Caprolactam	67		61		15-130	9		50
2,3,4,6-Tetrachlorophenol	77		67		40-140	14		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

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
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Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04,09,13,16-18,21-23,26 Batch: WG1655397-2 WG1655397-3

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
2-Fluorophenol	72		58		25-120
Phenol-d6	72		58		10-120
Nitrobenzene-d5	67		55		23-120
2-Fluorobiphenyl	76		63		30-120
2,4,6-Tribromophenol	76		65		10-136
4-Terphenyl-d14	72		63		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05-08,10-12,14-15,19-20,24-25 Batch: WG1655410-2 WG1655410-3								
Acenaphthene	64		59		31-137	8		50
Hexachlorobenzene	68		62		40-140	9		50
Bis(2-chloroethyl)ether	66		61		40-140	8		50
2-Chloronaphthalene	67		63		40-140	6		50
3,3'-Dichlorobenzidine	53		47		40-140	12		50
2,4-Dinitrotoluene	70		66		40-132	6		50
2,6-Dinitrotoluene	70		69		40-140	1		50
Fluoranthene	67		59		40-140	13		50
4-Chlorophenyl phenyl ether	66		63		40-140	5		50
4-Bromophenyl phenyl ether	64		61		40-140	5		50
Bis(2-chloroisopropyl)ether	68		61		40-140	11		50
Bis(2-chloroethoxy)methane	66		58		40-117	13		50
Hexachlorobutadiene	65		62		40-140	5		50
Hexachlorocyclopentadiene	48		46		40-140	4		50
Hexachloroethane	65		59		40-140	10		50
Isophorone	62		57		40-140	8		50
Naphthalene	66		61		40-140	8		50
Nitrobenzene	65		56		40-140	15		50
NDPA/DPA	66		64		36-157	3		50
n-Nitrosodi-n-propylamine	63		56		32-121	12		50
Bis(2-ethylhexyl)phthalate	64		61		40-140	5		50
Butyl benzyl phthalate	68		61		40-140	11		50
Di-n-butylphthalate	67		62		40-140	8		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05-08,10-12,14-15,19-20,24-25 Batch: WG1655410-2 WG1655410-3								
Di-n-octylphthalate	67		62		40-140	8		50
Diethyl phthalate	70		63		40-140	11		50
Dimethyl phthalate	67		65		40-140	3		50
Benzo(a)anthracene	68		60		40-140	13		50
Benzo(a)pyrene	67		59		40-140	13		50
Benzo(b)fluoranthene	65		59		40-140	10		50
Benzo(k)fluoranthene	70		62		40-140	12		50
Chrysene	67		60		40-140	11		50
Acenaphthylene	68		66		40-140	3		50
Anthracene	65		59		40-140	10		50
Benzo(ghi)perylene	79		74		40-140	7		50
Fluorene	67		61		40-140	9		50
Phenanthrene	65		61		40-140	6		50
Dibenzo(a,h)anthracene	78		73		40-140	7		50
Indeno(1,2,3-cd)pyrene	83		79		40-140	5		50
Pyrene	67		61		35-142	9		50
Biphenyl	66		63		37-127	5		50
4-Chloroaniline	52		48		40-140	8		50
2-Nitroaniline	72		67		47-134	7		50
3-Nitroaniline	58		53		26-129	9		50
4-Nitroaniline	64		64		41-125	0		50
Dibenzofuran	66		63		40-140	5		50
2-Methylnaphthalene	66		62		40-140	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05-08,10-12,14-15,19-20,24-25 Batch: WG1655410-2 WG1655410-3								
1,2,4,5-Tetrachlorobenzene	70		67		40-117	4		50
Acetophenone	63		56		14-144	12		50
2,4,6-Trichlorophenol	72		70		30-130	3		50
p-Chloro-m-cresol	68		65		26-103	5		50
2-Chlorophenol	72		64		25-102	12		50
2,4-Dichlorophenol	71		65		30-130	9		50
2,4-Dimethylphenol	69		60		30-130	14		50
2-Nitrophenol	71		64		30-130	10		50
4-Nitrophenol	61		58		11-114	5		50
2,4-Dinitrophenol	73		65		4-130	12		50
4,6-Dinitro-o-cresol	75		77		10-130	3		50
Pentachlorophenol	66		63		17-109	5		50
Phenol	78		67		26-90	15		50
2-Methylphenol	72		62		30-130	15		50
3-Methylphenol/4-Methylphenol	80		66		30-130	19		50
2,4,5-Trichlorophenol	76		74		30-130	3		50
Carbazole	65		61		54-128	6		50
Atrazine	68		63		40-140	8		50
Benzaldehyde	68		58		40-140	16		50
Caprolactam	74		72		15-130	3		50
2,3,4,6-Tetrachlorophenol	72		63		40-140	13		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

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
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Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05-08,10-12,14-15,19-20,24-25 Batch: WG1655410-2 WG1655410-3

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
2-Fluorophenol	75		66		25-120
Phenol-d6	75		65		10-120
Nitrobenzene-d5	69		58		23-120
2-Fluorobiphenyl	68		62		30-120
2,4,6-Tribromophenol	73		68		10-136
4-Terphenyl-d14	68		61		18-120

Lab Control Sample Analysis Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 03-04,09,25 Batch: WG1657701-2 WG1657701-3								
Hexachlorobenzene	71		74		40-140	4		30
2,4-Dinitrotoluene	86		90		40-132	5		30
Hexachlorobutadiene	64		69		28-111	8		30
Hexachloroethane	59		63		21-105	7		30
Nitrobenzene	73		77		40-140	5		30
2,4,6-Trichlorophenol	76		82		30-130	8		30
Pentachlorophenol	91		91		9-103	0		30
2-Methylphenol	74		79		30-130	7		30
3-Methylphenol/4-Methylphenol	75		80		30-130	6		30
2,4,5-Trichlorophenol	74		82		30-130	10		30
Pyridine	17		37		10-66	74	Q	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	78		81		21-120
Phenol-d6	74		79		10-120
Nitrobenzene-d5	78		84		23-120
2-Fluorobiphenyl	78		82		15-120
2,4,6-Tribromophenol	70		73		10-120
4-Terphenyl-d14	80		81		33-120



PCBS

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-01
 Client ID: TP-ST24-06-01-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 09:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/03/22 15:31
 Analyst: ER
 Percent Solids: 68%

Extraction Method: EPA 3546
 Extraction Date: 06/29/22 23:20
 Cleanup Method: EPA 3665A
 Cleanup Date: 07/02/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 07/03/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	48.4	4.30	1	A
Aroclor 1221	ND		ug/kg	48.4	4.85	1	A
Aroclor 1232	ND		ug/kg	48.4	10.3	1	A
Aroclor 1242	ND		ug/kg	48.4	6.53	1	A
Aroclor 1248	ND		ug/kg	48.4	7.26	1	A
Aroclor 1254	ND		ug/kg	48.4	5.30	1	A
Aroclor 1260	57.3		ug/kg	48.4	8.95	1	B
Aroclor 1262	ND		ug/kg	48.4	6.15	1	A
Aroclor 1268	ND		ug/kg	48.4	5.02	1	A
PCBs, Total	57.3		ug/kg	48.4	4.30	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	42		30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-02
 Client ID: TP-ST24-618-01-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 09:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/26/22 18:36
 Analyst: JM
 Percent Solids: 75%

Extraction Method: EPA 3546
 Extraction Date: 06/26/22 00:51
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/26/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.2	3.84	1	A
Aroclor 1221	ND		ug/kg	43.2	4.33	1	A
Aroclor 1232	ND		ug/kg	43.2	9.16	1	A
Aroclor 1242	ND		ug/kg	43.2	5.82	1	A
Aroclor 1248	ND		ug/kg	43.2	6.48	1	A
Aroclor 1254	ND		ug/kg	43.2	4.73	1	A
Aroclor 1260	ND		ug/kg	43.2	7.98	1	A
Aroclor 1262	ND		ug/kg	43.2	5.49	1	A
Aroclor 1268	ND		ug/kg	43.2	4.48	1	A
PCBs, Total	ND		ug/kg	43.2	3.84	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-03
 Client ID: TP-ST24-06-02-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/26/22 18:43
 Analyst: JM
 Percent Solids: 67%

Extraction Method: EPA 3546
 Extraction Date: 06/26/22 00:51
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/26/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	47.9	4.26	1	A
Aroclor 1221	ND		ug/kg	47.9	4.80	1	A
Aroclor 1232	ND		ug/kg	47.9	10.2	1	A
Aroclor 1242	ND		ug/kg	47.9	6.46	1	A
Aroclor 1248	ND		ug/kg	47.9	7.19	1	A
Aroclor 1254	ND		ug/kg	47.9	5.24	1	A
Aroclor 1260	ND		ug/kg	47.9	8.86	1	A
Aroclor 1262	ND		ug/kg	47.9	6.09	1	A
Aroclor 1268	ND		ug/kg	47.9	4.96	1	A
PCBs, Total	ND		ug/kg	47.9	4.26	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-04
 Client ID: TP-ST24-618-02-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/29/22 16:22
 Analyst: JM
 Percent Solids: 81%

Extraction Method: EPA 3546
 Extraction Date: 06/29/22 04:39
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/29/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/29/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.0	3.46	1	A
Aroclor 1221	ND		ug/kg	39.0	3.91	1	A
Aroclor 1232	ND		ug/kg	39.0	8.27	1	A
Aroclor 1242	ND		ug/kg	39.0	5.26	1	A
Aroclor 1248	ND		ug/kg	39.0	5.85	1	A
Aroclor 1254	ND		ug/kg	39.0	4.27	1	A
Aroclor 1260	ND		ug/kg	39.0	7.21	1	A
Aroclor 1262	ND		ug/kg	39.0	4.96	1	A
Aroclor 1268	ND		ug/kg	39.0	4.04	1	A
PCBs, Total	ND		ug/kg	39.0	3.46	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-05
 Client ID: TP-ST24-06-03-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/26/22 18:50
 Analyst: JM
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 06/26/22 00:51
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/26/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.0	3.20	1	A
Aroclor 1221	ND		ug/kg	36.0	3.61	1	A
Aroclor 1232	ND		ug/kg	36.0	7.64	1	A
Aroclor 1242	ND		ug/kg	36.0	4.86	1	A
Aroclor 1248	ND		ug/kg	36.0	5.40	1	A
Aroclor 1254	ND		ug/kg	36.0	3.94	1	A
Aroclor 1260	ND		ug/kg	36.0	6.66	1	A
Aroclor 1262	ND		ug/kg	36.0	4.58	1	A
Aroclor 1268	ND		ug/kg	36.0	3.73	1	A
PCBs, Total	ND		ug/kg	36.0	3.20	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-06
 Client ID: TP-ST24-618-03-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/26/22 18:57
 Analyst: JM
 Percent Solids: 81%

Extraction Method: EPA 3546
 Extraction Date: 06/26/22 00:51
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/26/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.7	3.52	1	A
Aroclor 1221	ND		ug/kg	39.7	3.97	1	A
Aroclor 1232	ND		ug/kg	39.7	8.41	1	A
Aroclor 1242	ND		ug/kg	39.7	5.35	1	A
Aroclor 1248	ND		ug/kg	39.7	5.95	1	A
Aroclor 1254	ND		ug/kg	39.7	4.34	1	A
Aroclor 1260	ND		ug/kg	39.7	7.33	1	A
Aroclor 1262	ND		ug/kg	39.7	5.04	1	A
Aroclor 1268	ND		ug/kg	39.7	4.11	1	A
PCBs, Total	ND		ug/kg	39.7	3.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-07
 Client ID: TP-ST24-06-04-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/26/22 19:03
 Analyst: JM
 Percent Solids: 82%

Extraction Method: EPA 3546
 Extraction Date: 06/26/22 00:51
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/26/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.2	3.48	1	A
Aroclor 1221	ND		ug/kg	39.2	3.92	1	A
Aroclor 1232	ND		ug/kg	39.2	8.30	1	A
Aroclor 1242	ND		ug/kg	39.2	5.28	1	A
Aroclor 1248	ND		ug/kg	39.2	5.88	1	A
Aroclor 1254	ND		ug/kg	39.2	4.28	1	A
Aroclor 1260	ND		ug/kg	39.2	7.24	1	A
Aroclor 1262	ND		ug/kg	39.2	4.97	1	A
Aroclor 1268	ND		ug/kg	39.2	4.06	1	A
PCBs, Total	ND		ug/kg	39.2	3.48	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-08
 Client ID: TP-ST24-618-04-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/26/22 19:10
 Analyst: JM
 Percent Solids: 80%

Extraction Method: EPA 3546
 Extraction Date: 06/26/22 00:51
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/26/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.5	3.50	1	A
Aroclor 1221	ND		ug/kg	39.5	3.96	1	A
Aroclor 1232	ND		ug/kg	39.5	8.37	1	A
Aroclor 1242	ND		ug/kg	39.5	5.32	1	A
Aroclor 1248	ND		ug/kg	39.5	5.92	1	A
Aroclor 1254	ND		ug/kg	39.5	4.32	1	A
Aroclor 1260	ND		ug/kg	39.5	7.30	1	A
Aroclor 1262	ND		ug/kg	39.5	5.01	1	A
Aroclor 1268	ND		ug/kg	39.5	4.09	1	A
PCBs, Total	ND		ug/kg	39.5	3.50	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-09
 Client ID: TP-ST24-06-05-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/29/22 16:35
 Analyst: JM
 Percent Solids: 62%

Extraction Method: EPA 3546
 Extraction Date: 06/29/22 04:39
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/29/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/29/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.1	4.72	1	A
Aroclor 1221	ND		ug/kg	53.1	5.32	1	A
Aroclor 1232	ND		ug/kg	53.1	11.3	1	A
Aroclor 1242	ND		ug/kg	53.1	7.16	1	A
Aroclor 1248	ND		ug/kg	53.1	7.97	1	A
Aroclor 1254	ND		ug/kg	53.1	5.81	1	A
Aroclor 1260	ND		ug/kg	53.1	9.82	1	A
Aroclor 1262	ND		ug/kg	53.1	6.75	1	A
Aroclor 1268	ND		ug/kg	53.1	5.50	1	A
PCBs, Total	ND		ug/kg	53.1	4.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-10
 Client ID: TP-ST24-618-05-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/26/22 19:17
 Analyst: JM
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 06/26/22 00:51
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/26/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.1	3.38	1	A
Aroclor 1221	ND		ug/kg	38.1	3.82	1	A
Aroclor 1232	ND		ug/kg	38.1	8.07	1	A
Aroclor 1242	ND		ug/kg	38.1	5.13	1	A
Aroclor 1248	ND		ug/kg	38.1	5.71	1	A
Aroclor 1254	ND		ug/kg	38.1	4.17	1	A
Aroclor 1260	ND		ug/kg	38.1	7.04	1	A
Aroclor 1262	ND		ug/kg	38.1	4.84	1	A
Aroclor 1268	ND		ug/kg	38.1	3.95	1	A
PCBs, Total	ND		ug/kg	38.1	3.38	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-11
 Client ID: TP-ST24-06-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/26/22 19:24
 Analyst: JM
 Percent Solids: 69%

Extraction Method: EPA 3546
 Extraction Date: 06/26/22 00:51
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/26/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	45.6	4.05	1	A
Aroclor 1221	ND		ug/kg	45.6	4.56	1	A
Aroclor 1232	ND		ug/kg	45.6	9.66	1	A
Aroclor 1242	ND		ug/kg	45.6	6.14	1	A
Aroclor 1248	ND		ug/kg	45.6	6.83	1	A
Aroclor 1254	ND		ug/kg	45.6	4.98	1	A
Aroclor 1260	ND		ug/kg	45.6	8.42	1	A
Aroclor 1262	ND		ug/kg	45.6	5.79	1	A
Aroclor 1268	ND		ug/kg	45.6	4.72	1	A
PCBs, Total	ND		ug/kg	45.6	4.05	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-12
 Client ID: TP-ST24-618-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/26/22 19:31
 Analyst: JM
 Percent Solids: 80%

Extraction Method: EPA 3546
 Extraction Date: 06/26/22 00:51
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/26/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.8	3.62	1	A
Aroclor 1221	ND		ug/kg	40.8	4.09	1	A
Aroclor 1232	ND		ug/kg	40.8	8.65	1	A
Aroclor 1242	ND		ug/kg	40.8	5.50	1	A
Aroclor 1248	ND		ug/kg	40.8	6.12	1	A
Aroclor 1254	ND		ug/kg	40.8	4.46	1	A
Aroclor 1260	ND		ug/kg	40.8	7.54	1	A
Aroclor 1262	ND		ug/kg	40.8	5.18	1	A
Aroclor 1268	ND		ug/kg	40.8	4.23	1	A
PCBs, Total	ND		ug/kg	40.8	3.62	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	38		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-13
 Client ID: TP-ST24-06-07-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/29/22 13:54
 Analyst: MEO
 Percent Solids: 73%

Extraction Method: EPA 3546
 Extraction Date: 06/29/22 04:39
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/29/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/29/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	44.5	3.95	1	A
Aroclor 1221	ND		ug/kg	44.5	4.46	1	A
Aroclor 1232	ND		ug/kg	44.5	9.43	1	A
Aroclor 1242	ND		ug/kg	44.5	6.00	1	A
Aroclor 1248	ND		ug/kg	44.5	6.67	1	A
Aroclor 1254	ND		ug/kg	44.5	4.87	1	A
Aroclor 1260	ND		ug/kg	44.5	8.22	1	A
Aroclor 1262	ND		ug/kg	44.5	5.65	1	A
Aroclor 1268	ND		ug/kg	44.5	4.61	1	A
PCBs, Total	ND		ug/kg	44.5	3.95	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	36		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	34		30-150	B
Decachlorobiphenyl	34		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-14
 Client ID: TP-ST24-618-07-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/26/22 19:37
 Analyst: JM
 Percent Solids: 78%

Extraction Method: EPA 3546
 Extraction Date: 06/26/22 00:51
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/26/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.6	3.61	1	A
Aroclor 1221	ND		ug/kg	40.6	4.07	1	A
Aroclor 1232	ND		ug/kg	40.6	8.62	1	A
Aroclor 1242	ND		ug/kg	40.6	5.48	1	A
Aroclor 1248	ND		ug/kg	40.6	6.10	1	A
Aroclor 1254	ND		ug/kg	40.6	4.45	1	A
Aroclor 1260	ND		ug/kg	40.6	7.51	1	A
Aroclor 1262	ND		ug/kg	40.6	5.16	1	A
Aroclor 1268	ND		ug/kg	40.6	4.21	1	A
PCBs, Total	ND		ug/kg	40.6	3.61	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-15
 Client ID: TP-ST24-06-08-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/26/22 19:44
 Analyst: JM
 Percent Solids: 57%

Extraction Method: EPA 3546
 Extraction Date: 06/26/22 00:51
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/26/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.2	4.90	1	A
Aroclor 1221	ND		ug/kg	55.2	5.53	1	A
Aroclor 1232	ND		ug/kg	55.2	11.7	1	A
Aroclor 1242	ND		ug/kg	55.2	7.44	1	A
Aroclor 1248	ND		ug/kg	55.2	8.28	1	A
Aroclor 1254	10.3	J	ug/kg	55.2	6.04	1	B
Aroclor 1260	ND		ug/kg	55.2	10.2	1	A
Aroclor 1262	ND		ug/kg	55.2	7.01	1	A
Aroclor 1268	ND		ug/kg	55.2	5.72	1	A
PCBs, Total	10.3	J	ug/kg	55.2	4.90	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	42		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-16
 Client ID: TP-ST24-618-08-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/29/22 14:02
 Analyst: MEO
 Percent Solids: 75%

Extraction Method: EPA 3546
 Extraction Date: 06/29/22 04:39
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/29/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/29/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	42.0	3.73	1	A
Aroclor 1221	ND		ug/kg	42.0	4.20	1	A
Aroclor 1232	ND		ug/kg	42.0	8.90	1	A
Aroclor 1242	ND		ug/kg	42.0	5.66	1	A
Aroclor 1248	ND		ug/kg	42.0	6.30	1	A
Aroclor 1254	ND		ug/kg	42.0	4.59	1	A
Aroclor 1260	ND		ug/kg	42.0	7.76	1	A
Aroclor 1262	ND		ug/kg	42.0	5.33	1	A
Aroclor 1268	ND		ug/kg	42.0	4.35	1	A
PCBs, Total	ND		ug/kg	42.0	3.73	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-17
 Client ID: TP-ST24-06-09-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/03/22 15:22
 Analyst: ER
 Percent Solids: 66%

Extraction Method: EPA 3546
 Extraction Date: 06/29/22 23:20
 Cleanup Method: EPA 3665A
 Cleanup Date: 07/02/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 07/03/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	48.4	4.30	1	A
Aroclor 1221	ND		ug/kg	48.4	4.85	1	A
Aroclor 1232	ND		ug/kg	48.4	10.3	1	A
Aroclor 1242	ND		ug/kg	48.4	6.53	1	A
Aroclor 1248	ND		ug/kg	48.4	7.26	1	A
Aroclor 1254	ND		ug/kg	48.4	5.30	1	A
Aroclor 1260	53.0		ug/kg	48.4	8.95	1	B
Aroclor 1262	ND		ug/kg	48.4	6.15	1	A
Aroclor 1268	ND		ug/kg	48.4	5.02	1	A
PCBs, Total	53.0		ug/kg	48.4	4.30	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	44		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-18
 Client ID: TP-ST24-618-09-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/03/22 15:13
 Analyst: ER
 Percent Solids: 71%

Extraction Method: EPA 3546
 Extraction Date: 06/29/22 23:20
 Cleanup Method: EPA 3665A
 Cleanup Date: 07/02/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 07/03/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	46.1	4.09	1	A
Aroclor 1221	ND		ug/kg	46.1	4.62	1	A
Aroclor 1232	ND		ug/kg	46.1	9.77	1	A
Aroclor 1242	ND		ug/kg	46.1	6.21	1	A
Aroclor 1248	ND		ug/kg	46.1	6.91	1	A
Aroclor 1254	ND		ug/kg	46.1	5.04	1	A
Aroclor 1260	27.5	J	ug/kg	46.1	8.52	1	B
Aroclor 1262	ND		ug/kg	46.1	5.85	1	A
Aroclor 1268	ND		ug/kg	46.1	4.77	1	A
PCBs, Total	27.5	J	ug/kg	46.1	4.09	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-19
 Client ID: TP-ST24-06-10-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/26/22 19:51
 Analyst: JM
 Percent Solids: 69%

Extraction Method: EPA 3546
 Extraction Date: 06/26/22 00:51
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/26/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	46.2	4.10	1	A
Aroclor 1221	ND		ug/kg	46.2	4.63	1	A
Aroclor 1232	ND		ug/kg	46.2	9.80	1	A
Aroclor 1242	ND		ug/kg	46.2	6.23	1	A
Aroclor 1248	ND		ug/kg	46.2	6.93	1	A
Aroclor 1254	ND		ug/kg	46.2	5.06	1	A
Aroclor 1260	ND		ug/kg	46.2	8.54	1	B
Aroclor 1262	ND		ug/kg	46.2	5.87	1	A
Aroclor 1268	ND		ug/kg	46.2	4.79	1	A
PCBs, Total	ND		ug/kg	46.2	4.10	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	A
Decachlorobiphenyl	32		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	36		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-20
 Client ID: TP-ST24-618-10-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/27/22 14:15
 Analyst: ER
 Percent Solids: 77%

Extraction Method: EPA 3546
 Extraction Date: 06/26/22 01:22
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/26/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.1	3.65	1	A
Aroclor 1221	ND		ug/kg	41.1	4.12	1	A
Aroclor 1232	ND		ug/kg	41.1	8.72	1	A
Aroclor 1242	ND		ug/kg	41.1	5.55	1	A
Aroclor 1248	ND		ug/kg	41.1	6.17	1	A
Aroclor 1254	ND		ug/kg	41.1	4.50	1	A
Aroclor 1260	ND		ug/kg	41.1	7.60	1	A
Aroclor 1262	ND		ug/kg	41.1	5.22	1	A
Aroclor 1268	ND		ug/kg	41.1	4.26	1	A
PCBs, Total	ND		ug/kg	41.1	3.65	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-21
 Client ID: TP-ST24-06-11-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 13:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/29/22 14:10
 Analyst: MEO
 Percent Solids: 62%

Extraction Method: EPA 3546
 Extraction Date: 06/29/22 04:39
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/29/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/29/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	50.5	4.48	1	A
Aroclor 1221	ND		ug/kg	50.5	5.06	1	A
Aroclor 1232	ND		ug/kg	50.5	10.7	1	A
Aroclor 1242	ND		ug/kg	50.5	6.80	1	A
Aroclor 1248	ND		ug/kg	50.5	7.57	1	A
Aroclor 1254	18.8	JP	ug/kg	50.5	5.52	1	B
Aroclor 1260	ND		ug/kg	50.5	9.32	1	A
Aroclor 1262	ND		ug/kg	50.5	6.41	1	A
Aroclor 1268	ND		ug/kg	50.5	5.23	1	A
PCBs, Total	18.8	J	ug/kg	50.5	4.48	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-22
 Client ID: TP-ST24-618-11-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 14:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/29/22 14:18
 Analyst: MEO
 Percent Solids: 78%

Extraction Method: EPA 3546
 Extraction Date: 06/29/22 04:39
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/29/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/29/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.9	3.63	1	A
Aroclor 1221	ND		ug/kg	40.9	4.10	1	A
Aroclor 1232	ND		ug/kg	40.9	8.67	1	A
Aroclor 1242	ND		ug/kg	40.9	5.51	1	A
Aroclor 1248	ND		ug/kg	40.9	6.13	1	A
Aroclor 1254	ND		ug/kg	40.9	4.47	1	A
Aroclor 1260	ND		ug/kg	40.9	7.55	1	A
Aroclor 1262	ND		ug/kg	40.9	5.19	1	A
Aroclor 1268	ND		ug/kg	40.9	4.24	1	A
PCBs, Total	ND		ug/kg	40.9	3.63	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-23
 Client ID: TP-ST24-06-12-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 14:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/29/22 16:48
 Analyst: JM
 Percent Solids: 66%

Extraction Method: EPA 3546
 Extraction Date: 06/29/22 04:39
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/29/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/29/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	49.3	4.38	1	A
Aroclor 1221	ND		ug/kg	49.3	4.94	1	A
Aroclor 1232	ND		ug/kg	49.3	10.4	1	A
Aroclor 1242	ND		ug/kg	49.3	6.64	1	A
Aroclor 1248	ND		ug/kg	49.3	7.39	1	A
Aroclor 1254	ND		ug/kg	49.3	5.39	1	A
Aroclor 1260	9.99	J	ug/kg	49.3	9.10	1	B
Aroclor 1262	ND		ug/kg	49.3	6.26	1	A
Aroclor 1268	ND		ug/kg	49.3	5.10	1	A
PCBs, Total	9.99	J	ug/kg	49.3	4.38	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-24
 Client ID: TP-ST24-618-12-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 14:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/27/22 14:22
 Analyst: ER
 Percent Solids: 82%

Extraction Method: EPA 3546
 Extraction Date: 06/26/22 01:22
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/26/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.4	3.50	1	A
Aroclor 1221	ND		ug/kg	39.4	3.95	1	A
Aroclor 1232	ND		ug/kg	39.4	8.35	1	A
Aroclor 1242	ND		ug/kg	39.4	5.31	1	A
Aroclor 1248	ND		ug/kg	39.4	5.91	1	A
Aroclor 1254	ND		ug/kg	39.4	4.31	1	A
Aroclor 1260	ND		ug/kg	39.4	7.28	1	A
Aroclor 1262	ND		ug/kg	39.4	5.00	1	A
Aroclor 1268	ND		ug/kg	39.4	4.08	1	A
PCBs, Total	ND		ug/kg	39.4	3.50	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	38		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	41		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-25
 Client ID: TP-ST24-40-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/27/22 14:29
 Analyst: ER
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 06/26/22 01:22
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/26/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	3.26	1	A
Aroclor 1221	ND		ug/kg	36.8	3.68	1	A
Aroclor 1232	ND		ug/kg	36.8	7.79	1	A
Aroclor 1242	ND		ug/kg	36.8	4.96	1	A
Aroclor 1248	ND		ug/kg	36.8	5.51	1	A
Aroclor 1254	ND		ug/kg	36.8	4.02	1	A
Aroclor 1260	ND		ug/kg	36.8	6.79	1	A
Aroclor 1262	ND		ug/kg	36.8	4.67	1	A
Aroclor 1268	ND		ug/kg	36.8	3.81	1	A
PCBs, Total	ND		ug/kg	36.8	3.26	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-26
 Client ID: TP-ST24-1824-11-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 13:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 07/03/22 15:04
 Analyst: ER
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 06/29/22 23:20
 Cleanup Method: EPA 3665A
 Cleanup Date: 07/02/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 07/03/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.4	3.23	1	A
Aroclor 1221	ND		ug/kg	36.4	3.64	1	A
Aroclor 1232	ND		ug/kg	36.4	7.71	1	A
Aroclor 1242	ND		ug/kg	36.4	4.90	1	A
Aroclor 1248	ND		ug/kg	36.4	5.45	1	A
Aroclor 1254	ND		ug/kg	36.4	3.98	1	A
Aroclor 1260	25.6	J	ug/kg	36.4	6.72	1	A
Aroclor 1262	ND		ug/kg	36.4	4.62	1	A
Aroclor 1268	ND		ug/kg	36.4	3.77	1	A
PCBs, Total	25.6	J	ug/kg	36.4	3.23	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 1,8082A
 Analytical Date: 06/26/22 19:58
 Analyst: JM

Extraction Method: EPA 3546
 Extraction Date: 06/26/22 00:51
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/26/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02-03,05-08,10-12,14-15,19-20,24-25 Batch: WG1655412-1						
Aroclor 1016	ND		ug/kg	31.7	2.81	A
Aroclor 1221	ND		ug/kg	31.7	3.17	A
Aroclor 1232	ND		ug/kg	31.7	6.72	A
Aroclor 1242	ND		ug/kg	31.7	4.27	A
Aroclor 1248	ND		ug/kg	31.7	4.75	A
Aroclor 1254	ND		ug/kg	31.7	3.47	A
Aroclor 1260	ND		ug/kg	31.7	5.86	A
Aroclor 1262	ND		ug/kg	31.7	4.02	A
Aroclor 1268	ND		ug/kg	31.7	3.28	A
PCBs, Total	ND		ug/kg	31.7	2.81	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8082A
Analytical Date: 06/29/22 13:30
Analyst: JM

Extraction Method: EPA 3546
Extraction Date: 06/29/22 03:07
Cleanup Method: EPA 3665A
Cleanup Date: 06/29/22
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,17-18,26 Batch: WG1656640-1						
Aroclor 1016	ND		ug/kg	32.2	2.86	A
Aroclor 1221	ND		ug/kg	32.2	3.23	A
Aroclor 1232	ND		ug/kg	32.2	6.84	A
Aroclor 1242	ND		ug/kg	32.2	4.35	A
Aroclor 1248	ND		ug/kg	32.2	4.84	A
Aroclor 1254	ND		ug/kg	32.2	3.53	A
Aroclor 1260	ND		ug/kg	32.2	5.96	A
Aroclor 1262	ND		ug/kg	32.2	4.10	A
Aroclor 1268	ND		ug/kg	32.2	3.34	A
PCBs, Total	ND		ug/kg	32.2	2.86	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8082A
Analytical Date: 06/29/22 14:26
Analyst: ER

Extraction Method: EPA 3546
Extraction Date: 06/29/22 04:39
Cleanup Method: EPA 3665A
Cleanup Date: 06/29/22
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04,09,13,16,21-23 Batch: WG1656660-1						
Aroclor 1016	ND		ug/kg	32.4	2.87	A
Aroclor 1221	ND		ug/kg	32.4	3.24	A
Aroclor 1232	ND		ug/kg	32.4	6.86	A
Aroclor 1242	ND		ug/kg	32.4	4.36	A
Aroclor 1248	ND		ug/kg	32.4	4.85	A
Aroclor 1254	ND		ug/kg	32.4	3.54	A
Aroclor 1260	ND		ug/kg	32.4	5.98	A
Aroclor 1262	ND		ug/kg	32.4	4.11	A
Aroclor 1268	ND		ug/kg	32.4	3.35	A
PCBs, Total	ND		ug/kg	32.4	2.87	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	62		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-03,05-08,10-12,14-15,19-20,24-25 Batch: WG1655412-2 WG1655412-3									
Aroclor 1016	70		72		40-140	3		50	A
Aroclor 1260	58		60		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		79		30-150	A
Decachlorobiphenyl	62		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		77		30-150	B
Decachlorobiphenyl	59		57		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,17-18,26 Batch: WG1656640-2 WG1656640-3									
Aroclor 1016	86		84		40-140	2		50	A
Aroclor 1260	76		75		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		88		30-150	A
Decachlorobiphenyl	74		72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		88		30-150	B
Decachlorobiphenyl	71		72		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04,09,13,16,21-23 Batch: WG1656660-2 WG1656660-3									
Aroclor 1016	73		70		40-140	4		50	A
Aroclor 1260	68		67		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		71		30-150	A
Decachlorobiphenyl	68		68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		68		30-150	B
Decachlorobiphenyl	60		60		30-150	B

METALS

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-01
 Client ID: TP-ST24-06-01-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 09:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 68%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10100		mg/kg	11.6	3.14	2	07/06/22 20:47	07/13/22 16:18	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	5.81	0.442	2	07/06/22 20:47	07/13/22 16:18	EPA 3050B	1,6010D	MC
Arsenic, Total	6.85		mg/kg	1.16	0.242	2	07/06/22 20:47	07/13/22 16:18	EPA 3050B	1,6010D	MC
Barium, Total	58.4		mg/kg	1.16	0.202	2	07/06/22 20:47	07/13/22 16:18	EPA 3050B	1,6010D	MC
Beryllium, Total	0.976		mg/kg	0.581	0.038	2	07/06/22 20:47	07/13/22 16:18	EPA 3050B	1,6010D	MC
Cadmium, Total	1.82		mg/kg	1.16	0.114	2	07/06/22 20:47	07/13/22 16:18	EPA 3050B	1,6010D	MC
Calcium, Total	12300		mg/kg	11.6	4.07	2	07/06/22 20:47	07/13/22 16:18	EPA 3050B	1,6010D	MC
Chromium, Total	17.7		mg/kg	1.16	0.112	2	07/06/22 20:47	07/13/22 16:18	EPA 3050B	1,6010D	MC
Cobalt, Total	6.31		mg/kg	2.32	0.193	2	07/06/22 20:47	07/13/22 16:18	EPA 3050B	1,6010D	MC
Copper, Total	32.5		mg/kg	1.16	0.300	2	07/06/22 20:47	07/13/22 16:18	EPA 3050B	1,6010D	MC
Iron, Total	39000		mg/kg	5.81	1.05	2	07/06/22 20:47	07/13/22 16:18	EPA 3050B	1,6010D	MC
Lead, Total	319		mg/kg	5.81	0.312	2	07/06/22 20:47	07/13/22 16:18	EPA 3050B	1,6010D	MC
Magnesium, Total	4870		mg/kg	11.6	1.79	2	07/06/22 20:47	07/13/22 16:18	EPA 3050B	1,6010D	MC
Manganese, Total	273		mg/kg	1.16	0.185	2	07/06/22 20:47	07/13/22 16:18	EPA 3050B	1,6010D	MC
Mercury, Total	0.153		mg/kg	0.103	0.067	1	07/06/22 21:56	07/07/22 09:28	EPA 7471B	1,7471B	DMB
Nickel, Total	20.6		mg/kg	2.91	0.281	2	07/06/22 20:47	07/13/22 16:18	EPA 3050B	1,6010D	MC
Potassium, Total	558		mg/kg	291	16.7	2	07/06/22 20:47	07/13/22 16:18	EPA 3050B	1,6010D	MC
Selenium, Total	0.314	J	mg/kg	2.32	0.300	2	07/06/22 20:47	07/13/22 16:18	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	1.16	0.329	2	07/06/22 20:47	07/13/22 16:18	EPA 3050B	1,6010D	MC
Sodium, Total	41.2	J	mg/kg	232	3.66	2	07/06/22 20:47	07/13/22 16:18	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	2.32	0.366	2	07/06/22 20:47	07/13/22 16:18	EPA 3050B	1,6010D	MC
Vanadium, Total	17.0		mg/kg	1.16	0.236	2	07/06/22 20:47	07/13/22 16:18	EPA 3050B	1,6010D	MC
Zinc, Total	56.9		mg/kg	5.81	0.341	2	07/06/22 20:47	07/13/22 16:18	EPA 3050B	1,6010D	MC



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-02
 Client ID: TP-ST24-618-01-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 09:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9100		mg/kg	10.2	2.75	2	07/06/22 20:47	07/13/22 16:03	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	5.09	0.387	2	07/06/22 20:47	07/13/22 16:03	EPA 3050B	1,6010D	MC
Arsenic, Total	4.01		mg/kg	1.02	0.212	2	07/06/22 20:47	07/13/22 16:03	EPA 3050B	1,6010D	MC
Barium, Total	64.6		mg/kg	1.02	0.177	2	07/06/22 20:47	07/13/22 16:03	EPA 3050B	1,6010D	MC
Beryllium, Total	0.753		mg/kg	0.509	0.034	2	07/06/22 20:47	07/13/22 16:03	EPA 3050B	1,6010D	MC
Cadmium, Total	0.896	J	mg/kg	1.02	0.100	2	07/06/22 20:47	07/13/22 16:03	EPA 3050B	1,6010D	MC
Calcium, Total	10400		mg/kg	10.2	3.56	2	07/06/22 20:47	07/13/22 16:03	EPA 3050B	1,6010D	MC
Chromium, Total	10.7		mg/kg	1.02	0.098	2	07/06/22 20:47	07/13/22 16:03	EPA 3050B	1,6010D	MC
Cobalt, Total	6.10		mg/kg	2.04	0.169	2	07/06/22 20:47	07/13/22 16:03	EPA 3050B	1,6010D	MC
Copper, Total	13.2		mg/kg	1.02	0.262	2	07/06/22 20:47	07/13/22 16:03	EPA 3050B	1,6010D	MC
Iron, Total	20400		mg/kg	5.09	0.919	2	07/06/22 20:47	07/13/22 16:03	EPA 3050B	1,6010D	MC
Lead, Total	17.1		mg/kg	5.09	0.273	2	07/06/22 20:47	07/13/22 16:03	EPA 3050B	1,6010D	MC
Magnesium, Total	5390		mg/kg	10.2	1.57	2	07/06/22 20:47	07/13/22 16:03	EPA 3050B	1,6010D	MC
Manganese, Total	218		mg/kg	1.02	0.162	2	07/06/22 20:47	07/13/22 16:03	EPA 3050B	1,6010D	MC
Mercury, Total	0.122		mg/kg	0.093	0.061	1	07/06/22 21:56	07/07/22 09:41	EPA 7471B	1,7471B	DMB
Nickel, Total	16.2		mg/kg	2.54	0.246	2	07/06/22 20:47	07/13/22 16:03	EPA 3050B	1,6010D	MC
Potassium, Total	563		mg/kg	254	14.6	2	07/06/22 20:47	07/13/22 16:03	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	2.04	0.262	2	07/06/22 20:47	07/13/22 16:03	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	1.02	0.288	2	07/06/22 20:47	07/13/22 16:03	EPA 3050B	1,6010D	MC
Sodium, Total	54.7	J	mg/kg	204	3.20	2	07/06/22 20:47	07/13/22 16:03	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	2.04	0.320	2	07/06/22 20:47	07/13/22 16:03	EPA 3050B	1,6010D	MC
Vanadium, Total	17.5		mg/kg	1.02	0.206	2	07/06/22 20:47	07/13/22 16:03	EPA 3050B	1,6010D	MC
Zinc, Total	51.1		mg/kg	5.09	0.298	2	07/06/22 20:47	07/13/22 16:03	EPA 3050B	1,6010D	MC



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-03
 Client ID: TP-ST24-06-02-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 67%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2050		mg/kg	11.4	3.07	2	07/06/22 20:47	07/13/22 16:08	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	5.68	0.432	2	07/06/22 20:47	07/13/22 16:08	EPA 3050B	1,6010D	MC
Arsenic, Total	8.44		mg/kg	1.14	0.236	2	07/06/22 20:47	07/13/22 16:08	EPA 3050B	1,6010D	MC
Barium, Total	27.1		mg/kg	1.14	0.198	2	07/06/22 20:47	07/13/22 16:08	EPA 3050B	1,6010D	MC
Beryllium, Total	0.114	J	mg/kg	0.568	0.038	2	07/06/22 20:47	07/13/22 16:08	EPA 3050B	1,6010D	MC
Cadmium, Total	2.86		mg/kg	1.14	0.111	2	07/06/22 20:47	07/13/22 16:08	EPA 3050B	1,6010D	MC
Calcium, Total	61400		mg/kg	11.4	3.98	2	07/06/22 20:47	07/13/22 16:08	EPA 3050B	1,6010D	MC
Chromium, Total	20.9		mg/kg	1.14	0.109	2	07/06/22 20:47	07/13/22 16:08	EPA 3050B	1,6010D	MC
Cobalt, Total	3.07		mg/kg	2.27	0.188	2	07/06/22 20:47	07/13/22 16:08	EPA 3050B	1,6010D	MC
Copper, Total	46.8		mg/kg	1.14	0.293	2	07/06/22 20:47	07/13/22 16:08	EPA 3050B	1,6010D	MC
Iron, Total	87200		mg/kg	56.8	10.2	20	07/06/22 20:47	07/13/22 17:33	EPA 3050B	1,6010D	MC
Lead, Total	612		mg/kg	5.68	0.304	2	07/06/22 20:47	07/13/22 16:08	EPA 3050B	1,6010D	MC
Magnesium, Total	506		mg/kg	11.4	1.75	2	07/06/22 20:47	07/13/22 16:08	EPA 3050B	1,6010D	MC
Manganese, Total	386		mg/kg	1.14	0.180	2	07/06/22 20:47	07/13/22 16:08	EPA 3050B	1,6010D	MC
Mercury, Total	0.099	J	mg/kg	0.103	0.067	1	07/06/22 21:56	07/07/22 09:44	EPA 7471B	1,7471B	DMB
Nickel, Total	8.87		mg/kg	2.84	0.275	2	07/06/22 20:47	07/13/22 16:08	EPA 3050B	1,6010D	MC
Potassium, Total	1240		mg/kg	284	16.4	2	07/06/22 20:47	07/13/22 16:08	EPA 3050B	1,6010D	MC
Selenium, Total	0.738	J	mg/kg	2.27	0.293	2	07/06/22 20:47	07/13/22 16:08	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	1.14	0.321	2	07/06/22 20:47	07/13/22 16:08	EPA 3050B	1,6010D	MC
Sodium, Total	209	J	mg/kg	227	3.58	2	07/06/22 20:47	07/13/22 16:08	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	2.27	0.358	2	07/06/22 20:47	07/13/22 16:08	EPA 3050B	1,6010D	MC
Vanadium, Total	12.0		mg/kg	1.14	0.230	2	07/06/22 20:47	07/13/22 16:08	EPA 3050B	1,6010D	MC
Zinc, Total	14.3		mg/kg	5.68	0.333	2	07/06/22 20:47	07/13/22 16:08	EPA 3050B	1,6010D	MC



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-04
 Client ID: TP-ST24-618-02-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6220		mg/kg	9.69	2.62	2	07/06/22 20:47	07/13/22 16:13	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.84	0.368	2	07/06/22 20:47	07/13/22 16:13	EPA 3050B	1,6010D	MC
Arsenic, Total	4.79		mg/kg	0.969	0.202	2	07/06/22 20:47	07/13/22 16:13	EPA 3050B	1,6010D	MC
Barium, Total	20.8		mg/kg	0.969	0.169	2	07/06/22 20:47	07/13/22 16:13	EPA 3050B	1,6010D	MC
Beryllium, Total	0.320	J	mg/kg	0.484	0.032	2	07/06/22 20:47	07/13/22 16:13	EPA 3050B	1,6010D	MC
Cadmium, Total	0.562	J	mg/kg	0.969	0.095	2	07/06/22 20:47	07/13/22 16:13	EPA 3050B	1,6010D	MC
Calcium, Total	32100		mg/kg	9.69	3.39	2	07/06/22 20:47	07/13/22 16:13	EPA 3050B	1,6010D	MC
Chromium, Total	14.1		mg/kg	0.969	0.093	2	07/06/22 20:47	07/13/22 16:13	EPA 3050B	1,6010D	MC
Cobalt, Total	5.50		mg/kg	1.94	0.161	2	07/06/22 20:47	07/13/22 16:13	EPA 3050B	1,6010D	MC
Copper, Total	67.7		mg/kg	0.969	0.250	2	07/06/22 20:47	07/13/22 16:13	EPA 3050B	1,6010D	MC
Iron, Total	13300		mg/kg	4.84	0.875	2	07/06/22 20:47	07/13/22 16:13	EPA 3050B	1,6010D	MC
Lead, Total	25.8		mg/kg	4.84	0.260	2	07/06/22 20:47	07/13/22 16:13	EPA 3050B	1,6010D	MC
Magnesium, Total	1520		mg/kg	9.69	1.49	2	07/06/22 20:47	07/13/22 16:13	EPA 3050B	1,6010D	MC
Manganese, Total	51.6		mg/kg	0.969	0.154	2	07/06/22 20:47	07/13/22 16:13	EPA 3050B	1,6010D	MC
Mercury, Total	0.084		mg/kg	0.078	0.051	1	07/06/22 21:56	07/07/22 09:48	EPA 7471B	1,7471B	DMB
Nickel, Total	14.4		mg/kg	2.42	0.234	2	07/06/22 20:47	07/13/22 16:13	EPA 3050B	1,6010D	MC
Potassium, Total	960		mg/kg	242	14.0	2	07/06/22 20:47	07/13/22 16:13	EPA 3050B	1,6010D	MC
Selenium, Total	0.436	J	mg/kg	1.94	0.250	2	07/06/22 20:47	07/13/22 16:13	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.969	0.274	2	07/06/22 20:47	07/13/22 16:13	EPA 3050B	1,6010D	MC
Sodium, Total	105	J	mg/kg	194	3.05	2	07/06/22 20:47	07/13/22 16:13	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.94	0.305	2	07/06/22 20:47	07/13/22 16:13	EPA 3050B	1,6010D	MC
Vanadium, Total	14.3		mg/kg	0.969	0.197	2	07/06/22 20:47	07/13/22 16:13	EPA 3050B	1,6010D	MC
Zinc, Total	24.3		mg/kg	4.84	0.284	2	07/06/22 20:47	07/13/22 16:13	EPA 3050B	1,6010D	MC



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-05
 Client ID: TP-ST24-06-03-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2900		mg/kg	8.98	2.42	2	07/06/22 20:47	07/13/22 16:50	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.49	0.341	2	07/06/22 20:47	07/13/22 16:50	EPA 3050B	1,6010D	MC
Arsenic, Total	2.14		mg/kg	0.898	0.187	2	07/06/22 20:47	07/13/22 16:50	EPA 3050B	1,6010D	MC
Barium, Total	13.8		mg/kg	0.898	0.156	2	07/06/22 20:47	07/13/22 16:50	EPA 3050B	1,6010D	MC
Beryllium, Total	0.144	J	mg/kg	0.449	0.030	2	07/06/22 20:47	07/13/22 16:50	EPA 3050B	1,6010D	MC
Cadmium, Total	1.03		mg/kg	0.898	0.088	2	07/06/22 20:47	07/13/22 16:50	EPA 3050B	1,6010D	MC
Calcium, Total	33100		mg/kg	8.98	3.14	2	07/06/22 20:47	07/13/22 16:50	EPA 3050B	1,6010D	MC
Chromium, Total	3.75		mg/kg	0.898	0.086	2	07/06/22 20:47	07/13/22 16:50	EPA 3050B	1,6010D	MC
Cobalt, Total	2.45		mg/kg	1.80	0.149	2	07/06/22 20:47	07/13/22 16:50	EPA 3050B	1,6010D	MC
Copper, Total	7.77		mg/kg	0.898	0.232	2	07/06/22 20:47	07/13/22 16:50	EPA 3050B	1,6010D	MC
Iron, Total	24300		mg/kg	4.49	0.811	2	07/06/22 20:47	07/13/22 16:50	EPA 3050B	1,6010D	MC
Lead, Total	5.77		mg/kg	4.49	0.241	2	07/06/22 20:47	07/13/22 16:50	EPA 3050B	1,6010D	MC
Magnesium, Total	17700		mg/kg	8.98	1.38	2	07/06/22 20:47	07/13/22 16:50	EPA 3050B	1,6010D	MC
Manganese, Total	574		mg/kg	0.898	0.143	2	07/06/22 20:47	07/13/22 16:50	EPA 3050B	1,6010D	MC
Mercury, Total	0.067	J	mg/kg	0.074	0.049	1	07/06/22 21:56	07/07/22 09:58	EPA 7471B	1,7471B	DMB
Nickel, Total	4.51		mg/kg	2.24	0.217	2	07/06/22 20:47	07/13/22 16:50	EPA 3050B	1,6010D	MC
Potassium, Total	490		mg/kg	224	12.9	2	07/06/22 20:47	07/13/22 16:50	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.80	0.232	2	07/06/22 20:47	07/13/22 16:50	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.898	0.254	2	07/06/22 20:47	07/13/22 16:50	EPA 3050B	1,6010D	MC
Sodium, Total	76.2	J	mg/kg	180	2.83	2	07/06/22 20:47	07/13/22 16:50	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.80	0.283	2	07/06/22 20:47	07/13/22 16:50	EPA 3050B	1,6010D	MC
Vanadium, Total	8.38		mg/kg	0.898	0.182	2	07/06/22 20:47	07/13/22 16:50	EPA 3050B	1,6010D	MC
Zinc, Total	58.1		mg/kg	4.49	0.263	2	07/06/22 20:47	07/13/22 16:50	EPA 3050B	1,6010D	MC



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-06
 Client ID: TP-ST24-618-03-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12500		mg/kg	23.2	6.27	5	07/06/22 20:47	07/13/22 18:20	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	11.6	0.882	5	07/06/22 20:47	07/13/22 18:20	EPA 3050B	1,6010D	MC
Arsenic, Total	3.37		mg/kg	2.32	0.483	5	07/06/22 20:47	07/13/22 18:20	EPA 3050B	1,6010D	MC
Barium, Total	130		mg/kg	2.32	0.404	5	07/06/22 20:47	07/13/22 18:20	EPA 3050B	1,6010D	MC
Beryllium, Total	0.790	J	mg/kg	1.16	0.077	5	07/06/22 20:47	07/13/22 18:20	EPA 3050B	1,6010D	MC
Cadmium, Total	0.836	J	mg/kg	2.32	0.228	5	07/06/22 20:47	07/13/22 18:20	EPA 3050B	1,6010D	MC
Calcium, Total	2970		mg/kg	23.2	8.13	5	07/06/22 20:47	07/13/22 18:20	EPA 3050B	1,6010D	MC
Chromium, Total	16.2		mg/kg	2.32	0.223	5	07/06/22 20:47	07/13/22 18:20	EPA 3050B	1,6010D	MC
Cobalt, Total	16.0		mg/kg	4.64	0.385	5	07/06/22 20:47	07/13/22 18:20	EPA 3050B	1,6010D	MC
Copper, Total	13.5		mg/kg	2.32	0.599	5	07/06/22 20:47	07/13/22 18:20	EPA 3050B	1,6010D	MC
Iron, Total	22200		mg/kg	11.6	2.10	5	07/06/22 20:47	07/13/22 18:20	EPA 3050B	1,6010D	MC
Lead, Total	10.1	J	mg/kg	11.6	0.622	5	07/06/22 20:47	07/13/22 18:20	EPA 3050B	1,6010D	MC
Magnesium, Total	4270		mg/kg	23.2	3.58	5	07/06/22 20:47	07/13/22 18:20	EPA 3050B	1,6010D	MC
Manganese, Total	217		mg/kg	2.32	0.369	5	07/06/22 20:47	07/13/22 18:20	EPA 3050B	1,6010D	MC
Mercury, Total	0.091		mg/kg	0.086	0.056	1	07/06/22 21:56	07/07/22 10:01	EPA 7471B	1,7471B	DMB
Nickel, Total	23.7		mg/kg	5.80	0.562	5	07/06/22 20:47	07/13/22 18:20	EPA 3050B	1,6010D	MC
Potassium, Total	848		mg/kg	580	33.4	5	07/06/22 20:47	07/13/22 18:20	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	4.64	0.599	5	07/06/22 20:47	07/13/22 18:20	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	2.32	0.657	5	07/06/22 20:47	07/13/22 18:20	EPA 3050B	1,6010D	MC
Sodium, Total	37.6	J	mg/kg	464	7.32	5	07/06/22 20:47	07/13/22 18:20	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	4.64	0.732	5	07/06/22 20:47	07/13/22 18:20	EPA 3050B	1,6010D	MC
Vanadium, Total	26.2		mg/kg	2.32	0.471	5	07/06/22 20:47	07/13/22 18:20	EPA 3050B	1,6010D	MC
Zinc, Total	49.5		mg/kg	11.6	0.680	5	07/06/22 20:47	07/13/22 18:20	EPA 3050B	1,6010D	MC



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-07
 Client ID: TP-ST24-06-04-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11300		mg/kg	9.30	2.51	2	07/06/22 20:47	07/13/22 17:00	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.65	0.354	2	07/06/22 20:47	07/13/22 17:00	EPA 3050B	1,6010D	MC
Arsenic, Total	2.43		mg/kg	0.930	0.194	2	07/06/22 20:47	07/13/22 17:00	EPA 3050B	1,6010D	MC
Barium, Total	109		mg/kg	0.930	0.162	2	07/06/22 20:47	07/13/22 17:00	EPA 3050B	1,6010D	MC
Beryllium, Total	0.586		mg/kg	0.465	0.031	2	07/06/22 20:47	07/13/22 17:00	EPA 3050B	1,6010D	MC
Cadmium, Total	0.614	J	mg/kg	0.930	0.091	2	07/06/22 20:47	07/13/22 17:00	EPA 3050B	1,6010D	MC
Calcium, Total	6800		mg/kg	9.30	3.26	2	07/06/22 20:47	07/13/22 17:00	EPA 3050B	1,6010D	MC
Chromium, Total	13.5		mg/kg	0.930	0.089	2	07/06/22 20:47	07/13/22 17:00	EPA 3050B	1,6010D	MC
Cobalt, Total	5.54		mg/kg	1.86	0.154	2	07/06/22 20:47	07/13/22 17:00	EPA 3050B	1,6010D	MC
Copper, Total	9.55		mg/kg	0.930	0.240	2	07/06/22 20:47	07/13/22 17:00	EPA 3050B	1,6010D	MC
Iron, Total	16400		mg/kg	4.65	0.840	2	07/06/22 20:47	07/13/22 17:00	EPA 3050B	1,6010D	MC
Lead, Total	7.25		mg/kg	4.65	0.249	2	07/06/22 20:47	07/13/22 17:00	EPA 3050B	1,6010D	MC
Magnesium, Total	5610		mg/kg	9.30	1.43	2	07/06/22 20:47	07/13/22 17:00	EPA 3050B	1,6010D	MC
Manganese, Total	296		mg/kg	0.930	0.148	2	07/06/22 20:47	07/13/22 17:00	EPA 3050B	1,6010D	MC
Mercury, Total	0.086		mg/kg	0.079	0.051	1	07/06/22 21:56	07/07/22 10:04	EPA 7471B	1,7471B	DMB
Nickel, Total	17.4		mg/kg	2.32	0.225	2	07/06/22 20:47	07/13/22 17:00	EPA 3050B	1,6010D	MC
Potassium, Total	700		mg/kg	232	13.4	2	07/06/22 20:47	07/13/22 17:00	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.86	0.240	2	07/06/22 20:47	07/13/22 17:00	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.930	0.263	2	07/06/22 20:47	07/13/22 17:00	EPA 3050B	1,6010D	MC
Sodium, Total	38.5	J	mg/kg	186	2.93	2	07/06/22 20:47	07/13/22 17:00	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.86	0.293	2	07/06/22 20:47	07/13/22 17:00	EPA 3050B	1,6010D	MC
Vanadium, Total	17.3		mg/kg	0.930	0.189	2	07/06/22 20:47	07/13/22 17:00	EPA 3050B	1,6010D	MC
Zinc, Total	46.6		mg/kg	4.65	0.272	2	07/06/22 20:47	07/13/22 17:00	EPA 3050B	1,6010D	MC



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-08
 Client ID: TP-ST24-618-04-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9650		mg/kg	9.72	2.62	2	07/06/22 20:47	07/13/22 17:04	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.86	0.369	2	07/06/22 20:47	07/13/22 17:04	EPA 3050B	1,6010D	MC
Arsenic, Total	3.12		mg/kg	0.972	0.202	2	07/06/22 20:47	07/13/22 17:04	EPA 3050B	1,6010D	MC
Barium, Total	85.6		mg/kg	0.972	0.169	2	07/06/22 20:47	07/13/22 17:04	EPA 3050B	1,6010D	MC
Beryllium, Total	0.457	J	mg/kg	0.486	0.032	2	07/06/22 20:47	07/13/22 17:04	EPA 3050B	1,6010D	MC
Cadmium, Total	0.749	J	mg/kg	0.972	0.095	2	07/06/22 20:47	07/13/22 17:04	EPA 3050B	1,6010D	MC
Calcium, Total	37400		mg/kg	9.72	3.40	2	07/06/22 20:47	07/13/22 17:04	EPA 3050B	1,6010D	MC
Chromium, Total	13.1		mg/kg	0.972	0.093	2	07/06/22 20:47	07/13/22 17:04	EPA 3050B	1,6010D	MC
Cobalt, Total	7.39		mg/kg	1.94	0.161	2	07/06/22 20:47	07/13/22 17:04	EPA 3050B	1,6010D	MC
Copper, Total	13.0		mg/kg	0.972	0.251	2	07/06/22 20:47	07/13/22 17:04	EPA 3050B	1,6010D	MC
Iron, Total	17100		mg/kg	4.86	0.878	2	07/06/22 20:47	07/13/22 17:04	EPA 3050B	1,6010D	MC
Lead, Total	7.51		mg/kg	4.86	0.260	2	07/06/22 20:47	07/13/22 17:04	EPA 3050B	1,6010D	MC
Magnesium, Total	10900		mg/kg	9.72	1.50	2	07/06/22 20:47	07/13/22 17:04	EPA 3050B	1,6010D	MC
Manganese, Total	563		mg/kg	0.972	0.155	2	07/06/22 20:47	07/13/22 17:04	EPA 3050B	1,6010D	MC
Mercury, Total	0.093		mg/kg	0.088	0.057	1	07/06/22 21:56	07/07/22 10:07	EPA 7471B	1,7471B	DMB
Nickel, Total	16.5		mg/kg	2.43	0.235	2	07/06/22 20:47	07/13/22 17:04	EPA 3050B	1,6010D	MC
Potassium, Total	884		mg/kg	243	14.0	2	07/06/22 20:47	07/13/22 17:04	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.94	0.251	2	07/06/22 20:47	07/13/22 17:04	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.972	0.275	2	07/06/22 20:47	07/13/22 17:04	EPA 3050B	1,6010D	MC
Sodium, Total	76.7	J	mg/kg	194	3.06	2	07/06/22 20:47	07/13/22 17:04	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.94	0.306	2	07/06/22 20:47	07/13/22 17:04	EPA 3050B	1,6010D	MC
Vanadium, Total	18.9		mg/kg	0.972	0.197	2	07/06/22 20:47	07/13/22 17:04	EPA 3050B	1,6010D	MC
Zinc, Total	53.6		mg/kg	4.86	0.285	2	07/06/22 20:47	07/13/22 17:04	EPA 3050B	1,6010D	MC



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-09
 Client ID: TP-ST24-06-05-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 62%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	15200		mg/kg	12.7	3.44	2	07/06/22 20:47	07/13/22 17:09	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	6.37	0.484	2	07/06/22 20:47	07/13/22 17:09	EPA 3050B	1,6010D	MC
Arsenic, Total	3.10		mg/kg	1.27	0.265	2	07/06/22 20:47	07/13/22 17:09	EPA 3050B	1,6010D	MC
Barium, Total	90.2		mg/kg	1.27	0.222	2	07/06/22 20:47	07/13/22 17:09	EPA 3050B	1,6010D	MC
Beryllium, Total	0.727		mg/kg	0.637	0.042	2	07/06/22 20:47	07/13/22 17:09	EPA 3050B	1,6010D	MC
Cadmium, Total	0.943	J	mg/kg	1.27	0.125	2	07/06/22 20:47	07/13/22 17:09	EPA 3050B	1,6010D	MC
Calcium, Total	11200		mg/kg	12.7	4.46	2	07/06/22 20:47	07/13/22 17:09	EPA 3050B	1,6010D	MC
Chromium, Total	18.0		mg/kg	1.27	0.122	2	07/06/22 20:47	07/13/22 17:09	EPA 3050B	1,6010D	MC
Cobalt, Total	11.1		mg/kg	2.55	0.212	2	07/06/22 20:47	07/13/22 17:09	EPA 3050B	1,6010D	MC
Copper, Total	15.0		mg/kg	1.27	0.329	2	07/06/22 20:47	07/13/22 17:09	EPA 3050B	1,6010D	MC
Iron, Total	24200		mg/kg	6.37	1.15	2	07/06/22 20:47	07/13/22 17:09	EPA 3050B	1,6010D	MC
Lead, Total	12.2		mg/kg	6.37	0.342	2	07/06/22 20:47	07/13/22 17:09	EPA 3050B	1,6010D	MC
Magnesium, Total	9270		mg/kg	12.7	1.96	2	07/06/22 20:47	07/13/22 17:09	EPA 3050B	1,6010D	MC
Manganese, Total	293		mg/kg	1.27	0.203	2	07/06/22 20:47	07/13/22 17:09	EPA 3050B	1,6010D	MC
Mercury, Total	0.085	J	mg/kg	0.109	0.071	1	07/06/22 21:56	07/07/22 10:11	EPA 7471B	1,7471B	DMB
Nickel, Total	18.9		mg/kg	3.19	0.308	2	07/06/22 20:47	07/13/22 17:09	EPA 3050B	1,6010D	MC
Potassium, Total	1080		mg/kg	319	18.4	2	07/06/22 20:47	07/13/22 17:09	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	2.55	0.329	2	07/06/22 20:47	07/13/22 17:09	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	1.27	0.361	2	07/06/22 20:47	07/13/22 17:09	EPA 3050B	1,6010D	MC
Sodium, Total	71.2	J	mg/kg	255	4.02	2	07/06/22 20:47	07/13/22 17:09	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	2.55	0.402	2	07/06/22 20:47	07/13/22 17:09	EPA 3050B	1,6010D	MC
Vanadium, Total	24.4		mg/kg	1.27	0.259	2	07/06/22 20:47	07/13/22 17:09	EPA 3050B	1,6010D	MC
Zinc, Total	69.0		mg/kg	6.37	0.374	2	07/06/22 20:47	07/13/22 17:09	EPA 3050B	1,6010D	MC



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-10
 Client ID: TP-ST24-618-05-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10000		mg/kg	8.86	2.39	2	07/06/22 20:47	07/13/22 17:14	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.43	0.337	2	07/06/22 20:47	07/13/22 17:14	EPA 3050B	1,6010D	MC
Arsenic, Total	3.14		mg/kg	0.886	0.184	2	07/06/22 20:47	07/13/22 17:14	EPA 3050B	1,6010D	MC
Barium, Total	92.0		mg/kg	0.886	0.154	2	07/06/22 20:47	07/13/22 17:14	EPA 3050B	1,6010D	MC
Beryllium, Total	0.487		mg/kg	0.443	0.029	2	07/06/22 20:47	07/13/22 17:14	EPA 3050B	1,6010D	MC
Cadmium, Total	0.691	J	mg/kg	0.886	0.087	2	07/06/22 20:47	07/13/22 17:14	EPA 3050B	1,6010D	MC
Calcium, Total	27100		mg/kg	8.86	3.10	2	07/06/22 20:47	07/13/22 17:14	EPA 3050B	1,6010D	MC
Chromium, Total	13.4		mg/kg	0.886	0.085	2	07/06/22 20:47	07/13/22 17:14	EPA 3050B	1,6010D	MC
Cobalt, Total	7.27		mg/kg	1.77	0.147	2	07/06/22 20:47	07/13/22 17:14	EPA 3050B	1,6010D	MC
Copper, Total	13.6		mg/kg	0.886	0.228	2	07/06/22 20:47	07/13/22 17:14	EPA 3050B	1,6010D	MC
Iron, Total	16800		mg/kg	4.43	0.800	2	07/06/22 20:47	07/13/22 17:14	EPA 3050B	1,6010D	MC
Lead, Total	8.00		mg/kg	4.43	0.237	2	07/06/22 20:47	07/13/22 17:14	EPA 3050B	1,6010D	MC
Magnesium, Total	10500		mg/kg	8.86	1.36	2	07/06/22 20:47	07/13/22 17:14	EPA 3050B	1,6010D	MC
Manganese, Total	745		mg/kg	0.886	0.141	2	07/06/22 20:47	07/13/22 17:14	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.084	0.055	1	07/06/22 21:56	07/07/22 10:14	EPA 7471B	1,7471B	DMB
Nickel, Total	16.5		mg/kg	2.21	0.214	2	07/06/22 20:47	07/13/22 17:14	EPA 3050B	1,6010D	MC
Potassium, Total	981		mg/kg	221	12.8	2	07/06/22 20:47	07/13/22 17:14	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.77	0.228	2	07/06/22 20:47	07/13/22 17:14	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.886	0.251	2	07/06/22 20:47	07/13/22 17:14	EPA 3050B	1,6010D	MC
Sodium, Total	80.8	J	mg/kg	177	2.79	2	07/06/22 20:47	07/13/22 17:14	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.77	0.279	2	07/06/22 20:47	07/13/22 17:14	EPA 3050B	1,6010D	MC
Vanadium, Total	20.7		mg/kg	0.886	0.180	2	07/06/22 20:47	07/13/22 17:14	EPA 3050B	1,6010D	MC
Zinc, Total	41.4		mg/kg	4.43	0.260	2	07/06/22 20:47	07/13/22 17:14	EPA 3050B	1,6010D	MC



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-11
 Client ID: TP-ST24-06-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2250		mg/kg	11.4	3.08	2	07/06/22 20:47	07/13/22 17:19	EPA 3050B	1,6010D	MC
Antimony, Total	2.04	J	mg/kg	5.71	0.434	2	07/06/22 20:47	07/13/22 17:19	EPA 3050B	1,6010D	MC
Arsenic, Total	39.1		mg/kg	1.14	0.238	2	07/06/22 20:47	07/13/22 17:19	EPA 3050B	1,6010D	MC
Barium, Total	82.9		mg/kg	1.14	0.199	2	07/06/22 20:47	07/13/22 17:19	EPA 3050B	1,6010D	MC
Beryllium, Total	0.114	J	mg/kg	0.571	0.038	2	07/06/22 20:47	07/13/22 17:19	EPA 3050B	1,6010D	MC
Cadmium, Total	4.92		mg/kg	1.14	0.112	2	07/06/22 20:47	07/13/22 17:19	EPA 3050B	1,6010D	MC
Calcium, Total	15600		mg/kg	11.4	4.00	2	07/06/22 20:47	07/13/22 17:19	EPA 3050B	1,6010D	MC
Chromium, Total	58.9		mg/kg	1.14	0.110	2	07/06/22 20:47	07/13/22 17:19	EPA 3050B	1,6010D	MC
Cobalt, Total	20.3		mg/kg	2.28	0.190	2	07/06/22 20:47	07/13/22 17:19	EPA 3050B	1,6010D	MC
Copper, Total	141		mg/kg	1.14	0.295	2	07/06/22 20:47	07/13/22 17:19	EPA 3050B	1,6010D	MC
Iron, Total	148000		mg/kg	57.1	10.3	20	07/06/22 20:47	07/13/22 18:24	EPA 3050B	1,6010D	MC
Lead, Total	572		mg/kg	5.71	0.306	2	07/06/22 20:47	07/13/22 17:19	EPA 3050B	1,6010D	MC
Magnesium, Total	1110		mg/kg	11.4	1.76	2	07/06/22 20:47	07/13/22 17:19	EPA 3050B	1,6010D	MC
Manganese, Total	690		mg/kg	1.14	0.182	2	07/06/22 20:47	07/13/22 17:19	EPA 3050B	1,6010D	MC
Mercury, Total	0.066	J	mg/kg	0.091	0.060	1	07/06/22 21:56	07/07/22 10:17	EPA 7471B	1,7471B	DMB
Nickel, Total	73.1		mg/kg	2.86	0.276	2	07/06/22 20:47	07/13/22 17:19	EPA 3050B	1,6010D	MC
Potassium, Total	364		mg/kg	286	16.4	2	07/06/22 20:47	07/13/22 17:19	EPA 3050B	1,6010D	MC
Selenium, Total	0.628	J	mg/kg	2.28	0.295	2	07/06/22 20:47	07/13/22 17:19	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	1.14	0.323	2	07/06/22 20:47	07/13/22 17:19	EPA 3050B	1,6010D	MC
Sodium, Total	58.8	J	mg/kg	228	3.60	2	07/06/22 20:47	07/13/22 17:19	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	2.28	0.360	2	07/06/22 20:47	07/13/22 17:19	EPA 3050B	1,6010D	MC
Vanadium, Total	9.09		mg/kg	1.14	0.232	2	07/06/22 20:47	07/13/22 17:19	EPA 3050B	1,6010D	MC
Zinc, Total	21.8		mg/kg	5.71	0.335	2	07/06/22 20:47	07/13/22 17:19	EPA 3050B	1,6010D	MC



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-12
 Client ID: TP-ST24-618-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7870		mg/kg	9.80	2.65	2	07/06/22 20:47	07/13/22 17:23	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.90	0.373	2	07/06/22 20:47	07/13/22 17:23	EPA 3050B	1,6010D	MC
Arsenic, Total	2.69		mg/kg	0.980	0.204	2	07/06/22 20:47	07/13/22 17:23	EPA 3050B	1,6010D	MC
Barium, Total	25.7		mg/kg	0.980	0.171	2	07/06/22 20:47	07/13/22 17:23	EPA 3050B	1,6010D	MC
Beryllium, Total	0.392	J	mg/kg	0.490	0.032	2	07/06/22 20:47	07/13/22 17:23	EPA 3050B	1,6010D	MC
Cadmium, Total	1.42		mg/kg	0.980	0.096	2	07/06/22 20:47	07/13/22 17:23	EPA 3050B	1,6010D	MC
Calcium, Total	32900		mg/kg	9.80	3.43	2	07/06/22 20:47	07/13/22 17:23	EPA 3050B	1,6010D	MC
Chromium, Total	10.5		mg/kg	0.980	0.094	2	07/06/22 20:47	07/13/22 17:23	EPA 3050B	1,6010D	MC
Cobalt, Total	8.35		mg/kg	1.96	0.163	2	07/06/22 20:47	07/13/22 17:23	EPA 3050B	1,6010D	MC
Copper, Total	9.80		mg/kg	0.980	0.253	2	07/06/22 20:47	07/13/22 17:23	EPA 3050B	1,6010D	MC
Iron, Total	35000		mg/kg	4.90	0.885	2	07/06/22 20:47	07/13/22 17:23	EPA 3050B	1,6010D	MC
Lead, Total	6.02		mg/kg	4.90	0.263	2	07/06/22 20:47	07/13/22 17:23	EPA 3050B	1,6010D	MC
Magnesium, Total	8680		mg/kg	9.80	1.51	2	07/06/22 20:47	07/13/22 17:23	EPA 3050B	1,6010D	MC
Manganese, Total	663		mg/kg	0.980	0.156	2	07/06/22 20:47	07/13/22 17:23	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.081	0.053	1	07/06/22 21:56	07/07/22 10:21	EPA 7471B	1,7471B	DMB
Nickel, Total	18.0		mg/kg	2.45	0.237	2	07/06/22 20:47	07/13/22 17:23	EPA 3050B	1,6010D	MC
Potassium, Total	811		mg/kg	245	14.1	2	07/06/22 20:47	07/13/22 17:23	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.96	0.253	2	07/06/22 20:47	07/13/22 17:23	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.980	0.277	2	07/06/22 20:47	07/13/22 17:23	EPA 3050B	1,6010D	MC
Sodium, Total	78.1	J	mg/kg	196	3.09	2	07/06/22 20:47	07/13/22 17:23	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.96	0.309	2	07/06/22 20:47	07/13/22 17:23	EPA 3050B	1,6010D	MC
Vanadium, Total	16.9		mg/kg	0.980	0.199	2	07/06/22 20:47	07/13/22 17:23	EPA 3050B	1,6010D	MC
Zinc, Total	39.2		mg/kg	4.90	0.287	2	07/06/22 20:47	07/13/22 17:23	EPA 3050B	1,6010D	MC



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-13
 Client ID: TP-ST24-06-07-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2890		mg/kg	10.4	2.80	2	07/06/22 20:47	07/13/22 17:28	EPA 3050B	1,6010D	MC
Antimony, Total	0.748	J	mg/kg	5.19	0.395	2	07/06/22 20:47	07/13/22 17:28	EPA 3050B	1,6010D	MC
Arsenic, Total	18.4		mg/kg	1.04	0.216	2	07/06/22 20:47	07/13/22 17:28	EPA 3050B	1,6010D	MC
Barium, Total	96.8		mg/kg	1.04	0.181	2	07/06/22 20:47	07/13/22 17:28	EPA 3050B	1,6010D	MC
Beryllium, Total	0.135	J	mg/kg	0.519	0.034	2	07/06/22 20:47	07/13/22 17:28	EPA 3050B	1,6010D	MC
Cadmium, Total	3.26		mg/kg	1.04	0.102	2	07/06/22 20:47	07/13/22 17:28	EPA 3050B	1,6010D	MC
Calcium, Total	7530		mg/kg	10.4	3.64	2	07/06/22 20:47	07/13/22 17:28	EPA 3050B	1,6010D	MC
Chromium, Total	28.6		mg/kg	1.04	0.100	2	07/06/22 20:47	07/13/22 17:28	EPA 3050B	1,6010D	MC
Cobalt, Total	7.99		mg/kg	2.08	0.172	2	07/06/22 20:47	07/13/22 17:28	EPA 3050B	1,6010D	MC
Copper, Total	60.6		mg/kg	1.04	0.268	2	07/06/22 20:47	07/13/22 17:28	EPA 3050B	1,6010D	MC
Iron, Total	104000		mg/kg	51.9	9.38	20	07/06/22 20:47	07/13/22 18:29	EPA 3050B	1,6010D	MC
Lead, Total	278		mg/kg	5.19	0.278	2	07/06/22 20:47	07/13/22 17:28	EPA 3050B	1,6010D	MC
Magnesium, Total	613		mg/kg	10.4	1.60	2	07/06/22 20:47	07/13/22 17:28	EPA 3050B	1,6010D	MC
Manganese, Total	408		mg/kg	1.04	0.165	2	07/06/22 20:47	07/13/22 17:28	EPA 3050B	1,6010D	MC
Mercury, Total	0.080	J	mg/kg	0.091	0.060	1	07/06/22 21:56	07/07/22 10:24	EPA 7471B	1,7471B	DMB
Nickel, Total	26.0		mg/kg	2.60	0.251	2	07/06/22 20:47	07/13/22 17:28	EPA 3050B	1,6010D	MC
Potassium, Total	806		mg/kg	260	15.0	2	07/06/22 20:47	07/13/22 17:28	EPA 3050B	1,6010D	MC
Selenium, Total	0.571	J	mg/kg	2.08	0.268	2	07/06/22 20:47	07/13/22 17:28	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	1.04	0.294	2	07/06/22 20:47	07/13/22 17:28	EPA 3050B	1,6010D	MC
Sodium, Total	31.6	J	mg/kg	208	3.27	2	07/06/22 20:47	07/13/22 17:28	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	2.08	0.327	2	07/06/22 20:47	07/13/22 17:28	EPA 3050B	1,6010D	MC
Vanadium, Total	9.36		mg/kg	1.04	0.211	2	07/06/22 20:47	07/13/22 17:28	EPA 3050B	1,6010D	MC
Zinc, Total	10.6		mg/kg	5.19	0.304	2	07/06/22 20:47	07/13/22 17:28	EPA 3050B	1,6010D	MC



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-14
 Client ID: TP-ST24-618-07-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:30
 Date Received: 06/16/22
 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
Total Metals - Mansfield Lab											
Aluminum, Total	2670		mg/kg	9.72	2.62	2	07/06/22 20:47	07/13/22 17:47	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.86	0.370	2	07/06/22 20:47	07/13/22 17:47	EPA 3050B	1,6010D	MC
Arsenic, Total	5.89		mg/kg	0.972	0.202	2	07/06/22 20:47	07/13/22 17:47	EPA 3050B	1,6010D	MC
Barium, Total	167		mg/kg	0.972	0.169	2	07/06/22 20:47	07/13/22 17:47	EPA 3050B	1,6010D	MC
Beryllium, Total	0.107	J	mg/kg	0.486	0.032	2	07/06/22 20:47	07/13/22 17:47	EPA 3050B	1,6010D	MC
Cadmium, Total	0.992		mg/kg	0.972	0.095	2	07/06/22 20:47	07/13/22 17:47	EPA 3050B	1,6010D	MC
Calcium, Total	5580		mg/kg	9.72	3.40	2	07/06/22 20:47	07/13/22 17:47	EPA 3050B	1,6010D	MC
Chromium, Total	13.6		mg/kg	0.972	0.093	2	07/06/22 20:47	07/13/22 17:47	EPA 3050B	1,6010D	MC
Cobalt, Total	2.79		mg/kg	1.94	0.161	2	07/06/22 20:47	07/13/22 17:47	EPA 3050B	1,6010D	MC
Copper, Total	17.5		mg/kg	0.972	0.251	2	07/06/22 20:47	07/13/22 17:47	EPA 3050B	1,6010D	MC
Iron, Total	29200		mg/kg	4.86	0.878	2	07/06/22 20:47	07/13/22 17:47	EPA 3050B	1,6010D	MC
Lead, Total	100		mg/kg	4.86	0.261	2	07/06/22 20:47	07/13/22 17:47	EPA 3050B	1,6010D	MC
Magnesium, Total	1200		mg/kg	9.72	1.50	2	07/06/22 20:47	07/13/22 17:47	EPA 3050B	1,6010D	MC
Manganese, Total	148		mg/kg	0.972	0.155	2	07/06/22 20:47	07/13/22 17:47	EPA 3050B	1,6010D	MC
Mercury, Total	0.078	J	mg/kg	0.092	0.060	1	07/06/22 21:56	07/07/22 10:27	EPA 7471B	1,7471B	DMB
Nickel, Total	9.02		mg/kg	2.43	0.235	2	07/06/22 20:47	07/13/22 17:47	EPA 3050B	1,6010D	MC
Potassium, Total	577		mg/kg	243	14.0	2	07/06/22 20:47	07/13/22 17:47	EPA 3050B	1,6010D	MC
Selenium, Total	0.311	J	mg/kg	1.94	0.251	2	07/06/22 20:47	07/13/22 17:47	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.972	0.275	2	07/06/22 20:47	07/13/22 17:47	EPA 3050B	1,6010D	MC
Sodium, Total	51.2	J	mg/kg	194	3.06	2	07/06/22 20:47	07/13/22 17:47	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.94	0.306	2	07/06/22 20:47	07/13/22 17:47	EPA 3050B	1,6010D	MC
Vanadium, Total	8.18		mg/kg	0.972	0.197	2	07/06/22 20:47	07/13/22 17:47	EPA 3050B	1,6010D	MC
Zinc, Total	9.61		mg/kg	4.86	0.285	2	07/06/22 20:47	07/13/22 17:47	EPA 3050B	1,6010D	MC



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-15
 Client ID: TP-ST24-06-08-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 57%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10100		mg/kg	13.4	3.61	2	07/06/22 20:47	07/13/22 17:51	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	6.69	0.509	2	07/06/22 20:47	07/13/22 17:51	EPA 3050B	1,6010D	MC
Arsenic, Total	6.81		mg/kg	1.34	0.278	2	07/06/22 20:47	07/13/22 17:51	EPA 3050B	1,6010D	MC
Barium, Total	94.4		mg/kg	1.34	0.233	2	07/06/22 20:47	07/13/22 17:51	EPA 3050B	1,6010D	MC
Beryllium, Total	0.616	J	mg/kg	0.669	0.044	2	07/06/22 20:47	07/13/22 17:51	EPA 3050B	1,6010D	MC
Cadmium, Total	1.59		mg/kg	1.34	0.131	2	07/06/22 20:47	07/13/22 17:51	EPA 3050B	1,6010D	MC
Calcium, Total	21300		mg/kg	13.4	4.68	2	07/06/22 20:47	07/13/22 17:51	EPA 3050B	1,6010D	MC
Chromium, Total	22.0		mg/kg	1.34	0.128	2	07/06/22 20:47	07/13/22 17:51	EPA 3050B	1,6010D	MC
Cobalt, Total	6.72		mg/kg	2.68	0.222	2	07/06/22 20:47	07/13/22 17:51	EPA 3050B	1,6010D	MC
Copper, Total	26.2		mg/kg	1.34	0.345	2	07/06/22 20:47	07/13/22 17:51	EPA 3050B	1,6010D	MC
Iron, Total	40200		mg/kg	6.69	1.21	2	07/06/22 20:47	07/13/22 17:51	EPA 3050B	1,6010D	MC
Lead, Total	378		mg/kg	6.69	0.359	2	07/06/22 20:47	07/13/22 17:51	EPA 3050B	1,6010D	MC
Magnesium, Total	4850		mg/kg	13.4	2.06	2	07/06/22 20:47	07/13/22 17:51	EPA 3050B	1,6010D	MC
Manganese, Total	286		mg/kg	1.34	0.213	2	07/06/22 20:47	07/13/22 17:51	EPA 3050B	1,6010D	MC
Mercury, Total	0.133		mg/kg	0.112	0.073	1	07/06/22 21:56	07/07/22 10:37	EPA 7471B	1,7471B	DMB
Nickel, Total	18.7		mg/kg	3.35	0.324	2	07/06/22 20:47	07/13/22 17:51	EPA 3050B	1,6010D	MC
Potassium, Total	852		mg/kg	335	19.3	2	07/06/22 20:47	07/13/22 17:51	EPA 3050B	1,6010D	MC
Selenium, Total	0.616	J	mg/kg	2.68	0.345	2	07/06/22 20:47	07/13/22 17:51	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	1.34	0.379	2	07/06/22 20:47	07/13/22 17:51	EPA 3050B	1,6010D	MC
Sodium, Total	59.6	J	mg/kg	268	4.22	2	07/06/22 20:47	07/13/22 17:51	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	2.68	0.422	2	07/06/22 20:47	07/13/22 17:51	EPA 3050B	1,6010D	MC
Vanadium, Total	26.0		mg/kg	1.34	0.272	2	07/06/22 20:47	07/13/22 17:51	EPA 3050B	1,6010D	MC
Zinc, Total	70.9		mg/kg	6.69	0.392	2	07/06/22 20:47	07/13/22 17:51	EPA 3050B	1,6010D	MC



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-16
 Client ID: TP-ST24-618-08-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10200		mg/kg	10.2	2.75	2	07/06/22 20:47	07/13/22 17:56	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	5.10	0.388	2	07/06/22 20:47	07/13/22 17:56	EPA 3050B	1,6010D	MC
Arsenic, Total	2.50		mg/kg	1.02	0.212	2	07/06/22 20:47	07/13/22 17:56	EPA 3050B	1,6010D	MC
Barium, Total	105		mg/kg	1.02	0.177	2	07/06/22 20:47	07/13/22 17:56	EPA 3050B	1,6010D	MC
Beryllium, Total	0.632		mg/kg	0.510	0.034	2	07/06/22 20:47	07/13/22 17:56	EPA 3050B	1,6010D	MC
Cadmium, Total	0.591	J	mg/kg	1.02	0.100	2	07/06/22 20:47	07/13/22 17:56	EPA 3050B	1,6010D	MC
Calcium, Total	24000		mg/kg	10.2	3.57	2	07/06/22 20:47	07/13/22 17:56	EPA 3050B	1,6010D	MC
Chromium, Total	13.0		mg/kg	1.02	0.098	2	07/06/22 20:47	07/13/22 17:56	EPA 3050B	1,6010D	MC
Cobalt, Total	6.32		mg/kg	2.04	0.169	2	07/06/22 20:47	07/13/22 17:56	EPA 3050B	1,6010D	MC
Copper, Total	11.0		mg/kg	1.02	0.263	2	07/06/22 20:47	07/13/22 17:56	EPA 3050B	1,6010D	MC
Iron, Total	15500		mg/kg	5.10	0.921	2	07/06/22 20:47	07/13/22 17:56	EPA 3050B	1,6010D	MC
Lead, Total	9.68		mg/kg	5.10	0.273	2	07/06/22 20:47	07/13/22 17:56	EPA 3050B	1,6010D	MC
Magnesium, Total	8120		mg/kg	10.2	1.57	2	07/06/22 20:47	07/13/22 17:56	EPA 3050B	1,6010D	MC
Manganese, Total	508		mg/kg	1.02	0.162	2	07/06/22 20:47	07/13/22 17:56	EPA 3050B	1,6010D	MC
Mercury, Total	0.081	J	mg/kg	0.096	0.063	1	07/06/22 21:56	07/07/22 10:40	EPA 7471B	1,7471B	DMB
Nickel, Total	15.2		mg/kg	2.55	0.247	2	07/06/22 20:47	07/13/22 17:56	EPA 3050B	1,6010D	MC
Potassium, Total	967		mg/kg	255	14.7	2	07/06/22 20:47	07/13/22 17:56	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	2.04	0.263	2	07/06/22 20:47	07/13/22 17:56	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	1.02	0.288	2	07/06/22 20:47	07/13/22 17:56	EPA 3050B	1,6010D	MC
Sodium, Total	81.9	J	mg/kg	204	3.21	2	07/06/22 20:47	07/13/22 17:56	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	2.04	0.321	2	07/06/22 20:47	07/13/22 17:56	EPA 3050B	1,6010D	MC
Vanadium, Total	20.4		mg/kg	1.02	0.207	2	07/06/22 20:47	07/13/22 17:56	EPA 3050B	1,6010D	MC
Zinc, Total	41.1		mg/kg	5.10	0.299	2	07/06/22 20:47	07/13/22 17:56	EPA 3050B	1,6010D	MC



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-17
 Client ID: TP-ST24-06-09-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 66%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2340		mg/kg	11.8	3.18	2	07/06/22 20:47	07/13/22 18:01	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	5.89	0.447	2	07/06/22 20:47	07/13/22 18:01	EPA 3050B	1,6010D	MC
Arsenic, Total	4.97		mg/kg	1.18	0.245	2	07/06/22 20:47	07/13/22 18:01	EPA 3050B	1,6010D	MC
Barium, Total	155		mg/kg	1.18	0.205	2	07/06/22 20:47	07/13/22 18:01	EPA 3050B	1,6010D	MC
Beryllium, Total	0.141	J	mg/kg	0.589	0.039	2	07/06/22 20:47	07/13/22 18:01	EPA 3050B	1,6010D	MC
Cadmium, Total	1.28		mg/kg	1.18	0.115	2	07/06/22 20:47	07/13/22 18:01	EPA 3050B	1,6010D	MC
Calcium, Total	2110		mg/kg	11.8	4.12	2	07/06/22 20:47	07/13/22 18:01	EPA 3050B	1,6010D	MC
Chromium, Total	9.20		mg/kg	1.18	0.113	2	07/06/22 20:47	07/13/22 18:01	EPA 3050B	1,6010D	MC
Cobalt, Total	2.01	J	mg/kg	2.35	0.195	2	07/06/22 20:47	07/13/22 18:01	EPA 3050B	1,6010D	MC
Copper, Total	13.0		mg/kg	1.18	0.304	2	07/06/22 20:47	07/13/22 18:01	EPA 3050B	1,6010D	MC
Iron, Total	36800		mg/kg	5.89	1.06	2	07/06/22 20:47	07/13/22 18:01	EPA 3050B	1,6010D	MC
Lead, Total	477		mg/kg	5.89	0.316	2	07/06/22 20:47	07/13/22 18:01	EPA 3050B	1,6010D	MC
Magnesium, Total	586		mg/kg	11.8	1.81	2	07/06/22 20:47	07/13/22 18:01	EPA 3050B	1,6010D	MC
Manganese, Total	64.1		mg/kg	1.18	0.187	2	07/06/22 20:47	07/13/22 18:01	EPA 3050B	1,6010D	MC
Mercury, Total	0.168		mg/kg	0.111	0.072	1	07/06/22 21:56	07/07/22 10:44	EPA 7471B	1,7471B	DMB
Nickel, Total	5.88		mg/kg	2.94	0.285	2	07/06/22 20:47	07/13/22 18:01	EPA 3050B	1,6010D	MC
Potassium, Total	439		mg/kg	294	17.0	2	07/06/22 20:47	07/13/22 18:01	EPA 3050B	1,6010D	MC
Selenium, Total	0.365	J	mg/kg	2.35	0.304	2	07/06/22 20:47	07/13/22 18:01	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	1.18	0.333	2	07/06/22 20:47	07/13/22 18:01	EPA 3050B	1,6010D	MC
Sodium, Total	104	J	mg/kg	235	3.71	2	07/06/22 20:47	07/13/22 18:01	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	2.35	0.371	2	07/06/22 20:47	07/13/22 18:01	EPA 3050B	1,6010D	MC
Vanadium, Total	8.64		mg/kg	1.18	0.239	2	07/06/22 20:47	07/13/22 18:01	EPA 3050B	1,6010D	MC
Zinc, Total	16.5		mg/kg	5.89	0.345	2	07/06/22 20:47	07/13/22 18:01	EPA 3050B	1,6010D	MC



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-18
 Client ID: TP-ST24-618-09-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:00
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10600		mg/kg	10.7	2.88	2	07/06/22 20:47	07/13/22 18:06	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	5.34	0.406	2	07/06/22 20:47	07/13/22 18:06	EPA 3050B	1,6010D	MC
Arsenic, Total	4.18		mg/kg	1.07	0.222	2	07/06/22 20:47	07/13/22 18:06	EPA 3050B	1,6010D	MC
Barium, Total	42.6		mg/kg	1.07	0.186	2	07/06/22 20:47	07/13/22 18:06	EPA 3050B	1,6010D	MC
Beryllium, Total	0.619		mg/kg	0.534	0.035	2	07/06/22 20:47	07/13/22 18:06	EPA 3050B	1,6010D	MC
Cadmium, Total	1.15		mg/kg	1.07	0.105	2	07/06/22 20:47	07/13/22 18:06	EPA 3050B	1,6010D	MC
Calcium, Total	14900		mg/kg	10.7	3.74	2	07/06/22 20:47	07/13/22 18:06	EPA 3050B	1,6010D	MC
Chromium, Total	13.9		mg/kg	1.07	0.102	2	07/06/22 20:47	07/13/22 18:06	EPA 3050B	1,6010D	MC
Cobalt, Total	13.4		mg/kg	2.14	0.177	2	07/06/22 20:47	07/13/22 18:06	EPA 3050B	1,6010D	MC
Copper, Total	14.9		mg/kg	1.07	0.276	2	07/06/22 20:47	07/13/22 18:06	EPA 3050B	1,6010D	MC
Iron, Total	29100		mg/kg	5.34	0.964	2	07/06/22 20:47	07/13/22 18:06	EPA 3050B	1,6010D	MC
Lead, Total	52.9		mg/kg	5.34	0.286	2	07/06/22 20:47	07/13/22 18:06	EPA 3050B	1,6010D	MC
Magnesium, Total	3120		mg/kg	10.7	1.64	2	07/06/22 20:47	07/13/22 18:06	EPA 3050B	1,6010D	MC
Manganese, Total	424		mg/kg	1.07	0.170	2	07/06/22 20:47	07/13/22 18:06	EPA 3050B	1,6010D	MC
Mercury, Total	0.148		mg/kg	0.093	0.061	1	07/06/22 21:56	07/07/22 10:47	EPA 7471B	1,7471B	DMB
Nickel, Total	22.8		mg/kg	2.67	0.258	2	07/06/22 20:47	07/13/22 18:06	EPA 3050B	1,6010D	MC
Potassium, Total	1440		mg/kg	267	15.4	2	07/06/22 20:47	07/13/22 18:06	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	2.14	0.276	2	07/06/22 20:47	07/13/22 18:06	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	1.07	0.302	2	07/06/22 20:47	07/13/22 18:06	EPA 3050B	1,6010D	MC
Sodium, Total	659		mg/kg	214	3.36	2	07/06/22 20:47	07/13/22 18:06	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	2.14	0.336	2	07/06/22 20:47	07/13/22 18:06	EPA 3050B	1,6010D	MC
Vanadium, Total	19.5		mg/kg	1.07	0.217	2	07/06/22 20:47	07/13/22 18:06	EPA 3050B	1,6010D	MC
Zinc, Total	56.7		mg/kg	5.34	0.313	2	07/06/22 20:47	07/13/22 18:06	EPA 3050B	1,6010D	MC



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-19
 Client ID: TP-ST24-06-10-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9660		mg/kg	11.3	3.04	2	07/06/22 20:47	07/13/22 18:10	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	5.64	0.428	2	07/06/22 20:47	07/13/22 18:10	EPA 3050B	1,6010D	MC
Arsenic, Total	5.46		mg/kg	1.13	0.234	2	07/06/22 20:47	07/13/22 18:10	EPA 3050B	1,6010D	MC
Barium, Total	85.7		mg/kg	1.13	0.196	2	07/06/22 20:47	07/13/22 18:10	EPA 3050B	1,6010D	MC
Beryllium, Total	0.620		mg/kg	0.564	0.037	2	07/06/22 20:47	07/13/22 18:10	EPA 3050B	1,6010D	MC
Cadmium, Total	1.57		mg/kg	1.13	0.110	2	07/06/22 20:47	07/13/22 18:10	EPA 3050B	1,6010D	MC
Calcium, Total	16200		mg/kg	11.3	3.95	2	07/06/22 20:47	07/13/22 18:10	EPA 3050B	1,6010D	MC
Chromium, Total	15.2		mg/kg	1.13	0.108	2	07/06/22 20:47	07/13/22 18:10	EPA 3050B	1,6010D	MC
Cobalt, Total	9.46		mg/kg	2.26	0.187	2	07/06/22 20:47	07/13/22 18:10	EPA 3050B	1,6010D	MC
Copper, Total	22.7		mg/kg	1.13	0.291	2	07/06/22 20:47	07/13/22 18:10	EPA 3050B	1,6010D	MC
Iron, Total	35900		mg/kg	5.64	1.02	2	07/06/22 20:47	07/13/22 18:10	EPA 3050B	1,6010D	MC
Lead, Total	99.7		mg/kg	5.64	0.302	2	07/06/22 20:47	07/13/22 18:10	EPA 3050B	1,6010D	MC
Magnesium, Total	6510		mg/kg	11.3	1.74	2	07/06/22 20:47	07/13/22 18:10	EPA 3050B	1,6010D	MC
Manganese, Total	489		mg/kg	1.13	0.179	2	07/06/22 20:47	07/13/22 18:10	EPA 3050B	1,6010D	MC
Mercury, Total	0.092	J	mg/kg	0.101	0.066	1	07/06/22 21:56	07/07/22 10:50	EPA 7471B	1,7471B	DMB
Nickel, Total	20.8		mg/kg	2.82	0.273	2	07/06/22 20:47	07/13/22 18:10	EPA 3050B	1,6010D	MC
Potassium, Total	662		mg/kg	282	16.2	2	07/06/22 20:47	07/13/22 18:10	EPA 3050B	1,6010D	MC
Selenium, Total	0.327	J	mg/kg	2.26	0.291	2	07/06/22 20:47	07/13/22 18:10	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	1.13	0.319	2	07/06/22 20:47	07/13/22 18:10	EPA 3050B	1,6010D	MC
Sodium, Total	53.6	J	mg/kg	226	3.55	2	07/06/22 20:47	07/13/22 18:10	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	2.26	0.355	2	07/06/22 20:47	07/13/22 18:10	EPA 3050B	1,6010D	MC
Vanadium, Total	22.4		mg/kg	1.13	0.229	2	07/06/22 20:47	07/13/22 18:10	EPA 3050B	1,6010D	MC
Zinc, Total	129		mg/kg	5.64	0.330	2	07/06/22 20:47	07/13/22 18:10	EPA 3050B	1,6010D	MC



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-20
 Client ID: TP-ST24-618-10-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11500		mg/kg	10.2	2.74	2	07/06/22 20:47	07/13/22 18:15	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	5.08	0.386	2	07/06/22 20:47	07/13/22 18:15	EPA 3050B	1,6010D	MC
Arsenic, Total	4.01		mg/kg	1.02	0.211	2	07/06/22 20:47	07/13/22 18:15	EPA 3050B	1,6010D	MC
Barium, Total	98.2		mg/kg	1.02	0.177	2	07/06/22 20:47	07/13/22 18:15	EPA 3050B	1,6010D	MC
Beryllium, Total	0.569		mg/kg	0.508	0.034	2	07/06/22 20:47	07/13/22 18:15	EPA 3050B	1,6010D	MC
Cadmium, Total	0.732	J	mg/kg	1.02	0.100	2	07/06/22 20:47	07/13/22 18:15	EPA 3050B	1,6010D	MC
Calcium, Total	34000		mg/kg	10.2	3.56	2	07/06/22 20:47	07/13/22 18:15	EPA 3050B	1,6010D	MC
Chromium, Total	14.8		mg/kg	1.02	0.098	2	07/06/22 20:47	07/13/22 18:15	EPA 3050B	1,6010D	MC
Cobalt, Total	8.04		mg/kg	2.03	0.169	2	07/06/22 20:47	07/13/22 18:15	EPA 3050B	1,6010D	MC
Copper, Total	13.9		mg/kg	1.02	0.262	2	07/06/22 20:47	07/13/22 18:15	EPA 3050B	1,6010D	MC
Iron, Total	18800		mg/kg	5.08	0.918	2	07/06/22 20:47	07/13/22 18:15	EPA 3050B	1,6010D	MC
Lead, Total	8.46		mg/kg	5.08	0.272	2	07/06/22 20:47	07/13/22 18:15	EPA 3050B	1,6010D	MC
Magnesium, Total	11400		mg/kg	10.2	1.56	2	07/06/22 20:47	07/13/22 18:15	EPA 3050B	1,6010D	MC
Manganese, Total	408		mg/kg	1.02	0.162	2	07/06/22 20:47	07/13/22 18:15	EPA 3050B	1,6010D	MC
Mercury, Total	0.071	J	mg/kg	0.089	0.058	1	07/06/22 21:56	07/07/22 10:54	EPA 7471B	1,7471B	DMB
Nickel, Total	17.8		mg/kg	2.54	0.246	2	07/06/22 20:47	07/13/22 18:15	EPA 3050B	1,6010D	MC
Potassium, Total	982		mg/kg	254	14.6	2	07/06/22 20:47	07/13/22 18:15	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	2.03	0.262	2	07/06/22 20:47	07/13/22 18:15	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	1.02	0.288	2	07/06/22 20:47	07/13/22 18:15	EPA 3050B	1,6010D	MC
Sodium, Total	83.2	J	mg/kg	203	3.20	2	07/06/22 20:47	07/13/22 18:15	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	2.03	0.320	2	07/06/22 20:47	07/13/22 18:15	EPA 3050B	1,6010D	MC
Vanadium, Total	22.7		mg/kg	1.02	0.206	2	07/06/22 20:47	07/13/22 18:15	EPA 3050B	1,6010D	MC
Zinc, Total	44.2		mg/kg	5.08	0.298	2	07/06/22 20:47	07/13/22 18:15	EPA 3050B	1,6010D	MC



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-21
 Client ID: TP-ST24-06-11-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 13:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 62%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7010		mg/kg	12.5	3.38	2	07/07/22 08:10	07/08/22 10:07	EPA 3050B	1,6010D	SB
Antimony, Total	0.476	J	mg/kg	6.26	0.476	2	07/07/22 08:10	07/08/22 10:07	EPA 3050B	1,6010D	SB
Arsenic, Total	5.70		mg/kg	1.25	0.260	2	07/07/22 08:10	07/08/22 10:07	EPA 3050B	1,6010D	SB
Barium, Total	62.4		mg/kg	1.25	0.218	2	07/07/22 08:10	07/08/22 10:07	EPA 3050B	1,6010D	SB
Beryllium, Total	0.551	J	mg/kg	0.626	0.041	2	07/07/22 08:10	07/08/22 10:07	EPA 3050B	1,6010D	SB
Cadmium, Total	2.19		mg/kg	1.25	0.123	2	07/07/22 08:10	07/08/22 10:07	EPA 3050B	1,6010D	SB
Calcium, Total	1740		mg/kg	12.5	4.38	2	07/07/22 08:10	07/08/22 10:07	EPA 3050B	1,6010D	SB
Chromium, Total	19.3		mg/kg	1.25	0.120	2	07/07/22 08:10	07/08/22 10:07	EPA 3050B	1,6010D	SB
Cobalt, Total	5.62		mg/kg	2.50	0.208	2	07/07/22 08:10	07/08/22 10:07	EPA 3050B	1,6010D	SB
Copper, Total	31.7		mg/kg	1.25	0.323	2	07/07/22 08:10	07/08/22 10:07	EPA 3050B	1,6010D	SB
Iron, Total	51600		mg/kg	6.26	1.13	2	07/07/22 08:10	07/08/22 10:07	EPA 3050B	1,6010D	SB
Lead, Total	320		mg/kg	6.26	0.336	2	07/07/22 08:10	07/08/22 10:07	EPA 3050B	1,6010D	SB
Magnesium, Total	1680		mg/kg	12.5	1.93	2	07/07/22 08:10	07/08/22 10:07	EPA 3050B	1,6010D	SB
Manganese, Total	92.4		mg/kg	1.25	0.199	2	07/07/22 08:10	07/08/22 10:07	EPA 3050B	1,6010D	SB
Mercury, Total	0.075	J	mg/kg	0.101	0.066	1	07/07/22 07:15	07/07/22 11:30	EPA 7471B	1,7471B	DMB
Nickel, Total	15.7		mg/kg	3.13	0.303	2	07/07/22 08:10	07/08/22 10:07	EPA 3050B	1,6010D	SB
Potassium, Total	589		mg/kg	313	18.0	2	07/07/22 08:10	07/08/22 10:07	EPA 3050B	1,6010D	SB
Selenium, Total	ND		mg/kg	2.50	0.323	2	07/07/22 08:10	07/08/22 10:07	EPA 3050B	1,6010D	SB
Silver, Total	ND		mg/kg	1.25	0.354	2	07/07/22 08:10	07/08/22 10:07	EPA 3050B	1,6010D	SB
Sodium, Total	32.1	J	mg/kg	250	3.94	2	07/07/22 08:10	07/08/22 10:07	EPA 3050B	1,6010D	SB
Thallium, Total	ND		mg/kg	2.50	0.394	2	07/07/22 08:10	07/08/22 10:07	EPA 3050B	1,6010D	SB
Vanadium, Total	18.6		mg/kg	1.25	0.254	2	07/07/22 08:10	07/08/22 10:07	EPA 3050B	1,6010D	SB
Zinc, Total	70.3		mg/kg	6.26	0.367	2	07/07/22 08:10	07/08/22 10:07	EPA 3050B	1,6010D	SB



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-22
 Client ID: TP-ST24-618-11-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 14:00
 Date Received: 06/16/22
 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
Total Metals - Mansfield Lab											
Aluminum, Total	10500		mg/kg	9.60	2.59	2	07/07/22 08:10	07/08/22 10:12	EPA 3050B	1,6010D	SB
Antimony, Total	ND		mg/kg	4.80	0.365	2	07/07/22 08:10	07/08/22 10:12	EPA 3050B	1,6010D	SB
Arsenic, Total	4.57		mg/kg	0.960	0.200	2	07/07/22 08:10	07/08/22 10:12	EPA 3050B	1,6010D	SB
Barium, Total	94.3		mg/kg	0.960	0.167	2	07/07/22 08:10	07/08/22 10:12	EPA 3050B	1,6010D	SB
Beryllium, Total	0.586		mg/kg	0.480	0.032	2	07/07/22 08:10	07/08/22 10:12	EPA 3050B	1,6010D	SB
Cadmium, Total	0.874	J	mg/kg	0.960	0.094	2	07/07/22 08:10	07/08/22 10:12	EPA 3050B	1,6010D	SB
Calcium, Total	23800		mg/kg	9.60	3.36	2	07/07/22 08:10	07/08/22 10:12	EPA 3050B	1,6010D	SB
Chromium, Total	14.7		mg/kg	0.960	0.092	2	07/07/22 08:10	07/08/22 10:12	EPA 3050B	1,6010D	SB
Cobalt, Total	8.04		mg/kg	1.92	0.159	2	07/07/22 08:10	07/08/22 10:12	EPA 3050B	1,6010D	SB
Copper, Total	14.8		mg/kg	0.960	0.248	2	07/07/22 08:10	07/08/22 10:12	EPA 3050B	1,6010D	SB
Iron, Total	19400		mg/kg	4.80	0.867	2	07/07/22 08:10	07/08/22 10:12	EPA 3050B	1,6010D	SB
Lead, Total	9.87		mg/kg	4.80	0.257	2	07/07/22 08:10	07/08/22 10:12	EPA 3050B	1,6010D	SB
Magnesium, Total	7430		mg/kg	9.60	1.48	2	07/07/22 08:10	07/08/22 10:12	EPA 3050B	1,6010D	SB
Manganese, Total	452		mg/kg	0.960	0.153	2	07/07/22 08:10	07/08/22 10:12	EPA 3050B	1,6010D	SB
Mercury, Total	ND		mg/kg	0.081	0.053	1	07/07/22 07:15	07/07/22 11:33	EPA 7471B	1,7471B	DMB
Nickel, Total	18.3		mg/kg	2.40	0.232	2	07/07/22 08:10	07/08/22 10:12	EPA 3050B	1,6010D	SB
Potassium, Total	864		mg/kg	240	13.8	2	07/07/22 08:10	07/08/22 10:12	EPA 3050B	1,6010D	SB
Selenium, Total	ND		mg/kg	1.92	0.248	2	07/07/22 08:10	07/08/22 10:12	EPA 3050B	1,6010D	SB
Silver, Total	ND		mg/kg	0.960	0.272	2	07/07/22 08:10	07/08/22 10:12	EPA 3050B	1,6010D	SB
Sodium, Total	57.1	J	mg/kg	192	3.02	2	07/07/22 08:10	07/08/22 10:12	EPA 3050B	1,6010D	SB
Thallium, Total	ND		mg/kg	1.92	0.302	2	07/07/22 08:10	07/08/22 10:12	EPA 3050B	1,6010D	SB
Vanadium, Total	21.7		mg/kg	0.960	0.195	2	07/07/22 08:10	07/08/22 10:12	EPA 3050B	1,6010D	SB
Zinc, Total	48.7		mg/kg	4.80	0.281	2	07/07/22 08:10	07/08/22 10:12	EPA 3050B	1,6010D	SB



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-23
 Client ID: TP-ST24-06-12-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 14:15
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 66%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10400		mg/kg	11.9	3.22	2	07/07/22 08:10	07/08/22 10:17	EPA 3050B	1,6010D	SB
Antimony, Total	ND		mg/kg	5.96	0.453	2	07/07/22 08:10	07/08/22 10:17	EPA 3050B	1,6010D	SB
Arsenic, Total	8.05		mg/kg	1.19	0.248	2	07/07/22 08:10	07/08/22 10:17	EPA 3050B	1,6010D	SB
Barium, Total	120		mg/kg	1.19	0.208	2	07/07/22 08:10	07/08/22 10:17	EPA 3050B	1,6010D	SB
Beryllium, Total	0.513	J	mg/kg	0.596	0.039	2	07/07/22 08:10	07/08/22 10:17	EPA 3050B	1,6010D	SB
Cadmium, Total	1.18	J	mg/kg	1.19	0.117	2	07/07/22 08:10	07/08/22 10:17	EPA 3050B	1,6010D	SB
Calcium, Total	4610		mg/kg	11.9	4.17	2	07/07/22 08:10	07/08/22 10:17	EPA 3050B	1,6010D	SB
Chromium, Total	39.2		mg/kg	1.19	0.114	2	07/07/22 08:10	07/08/22 10:17	EPA 3050B	1,6010D	SB
Cobalt, Total	6.38		mg/kg	2.38	0.198	2	07/07/22 08:10	07/08/22 10:17	EPA 3050B	1,6010D	SB
Copper, Total	27.7		mg/kg	1.19	0.308	2	07/07/22 08:10	07/08/22 10:17	EPA 3050B	1,6010D	SB
Iron, Total	29500		mg/kg	5.96	1.08	2	07/07/22 08:10	07/08/22 10:17	EPA 3050B	1,6010D	SB
Lead, Total	208		mg/kg	5.96	0.320	2	07/07/22 08:10	07/08/22 10:17	EPA 3050B	1,6010D	SB
Magnesium, Total	2840		mg/kg	11.9	1.84	2	07/07/22 08:10	07/08/22 10:17	EPA 3050B	1,6010D	SB
Manganese, Total	134		mg/kg	1.19	0.190	2	07/07/22 08:10	07/08/22 10:17	EPA 3050B	1,6010D	SB
Mercury, Total	0.076	J	mg/kg	0.098	0.064	1	07/07/22 07:15	07/07/22 11:37	EPA 7471B	1,7471B	DMB
Nickel, Total	18.9		mg/kg	2.98	0.289	2	07/07/22 08:10	07/08/22 10:17	EPA 3050B	1,6010D	SB
Potassium, Total	798		mg/kg	298	17.2	2	07/07/22 08:10	07/08/22 10:17	EPA 3050B	1,6010D	SB
Selenium, Total	0.334	J	mg/kg	2.38	0.308	2	07/07/22 08:10	07/08/22 10:17	EPA 3050B	1,6010D	SB
Silver, Total	ND		mg/kg	1.19	0.338	2	07/07/22 08:10	07/08/22 10:17	EPA 3050B	1,6010D	SB
Sodium, Total	49.5	J	mg/kg	238	3.76	2	07/07/22 08:10	07/08/22 10:17	EPA 3050B	1,6010D	SB
Thallium, Total	ND		mg/kg	2.38	0.376	2	07/07/22 08:10	07/08/22 10:17	EPA 3050B	1,6010D	SB
Vanadium, Total	43.3		mg/kg	1.19	0.242	2	07/07/22 08:10	07/08/22 10:17	EPA 3050B	1,6010D	SB
Zinc, Total	77.7		mg/kg	5.96	0.349	2	07/07/22 08:10	07/08/22 10:17	EPA 3050B	1,6010D	SB



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-24
 Client ID: TP-ST24-618-12-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 14:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9480		mg/kg	9.43	2.54	2	07/07/22 08:10	07/08/22 10:21	EPA 3050B	1,6010D	SB
Antimony, Total	ND		mg/kg	4.71	0.358	2	07/07/22 08:10	07/08/22 10:21	EPA 3050B	1,6010D	SB
Arsenic, Total	4.52		mg/kg	0.943	0.196	2	07/07/22 08:10	07/08/22 10:21	EPA 3050B	1,6010D	SB
Barium, Total	92.9		mg/kg	0.943	0.164	2	07/07/22 08:10	07/08/22 10:21	EPA 3050B	1,6010D	SB
Beryllium, Total	0.481		mg/kg	0.471	0.031	2	07/07/22 08:10	07/08/22 10:21	EPA 3050B	1,6010D	SB
Cadmium, Total	0.735	J	mg/kg	0.943	0.092	2	07/07/22 08:10	07/08/22 10:21	EPA 3050B	1,6010D	SB
Calcium, Total	33300		mg/kg	9.43	3.30	2	07/07/22 08:10	07/08/22 10:21	EPA 3050B	1,6010D	SB
Chromium, Total	13.5		mg/kg	0.943	0.091	2	07/07/22 08:10	07/08/22 10:21	EPA 3050B	1,6010D	SB
Cobalt, Total	9.55		mg/kg	1.88	0.156	2	07/07/22 08:10	07/08/22 10:21	EPA 3050B	1,6010D	SB
Copper, Total	14.8		mg/kg	0.943	0.243	2	07/07/22 08:10	07/08/22 10:21	EPA 3050B	1,6010D	SB
Iron, Total	17200		mg/kg	4.71	0.851	2	07/07/22 08:10	07/08/22 10:21	EPA 3050B	1,6010D	SB
Lead, Total	8.05		mg/kg	4.71	0.253	2	07/07/22 08:10	07/08/22 10:21	EPA 3050B	1,6010D	SB
Magnesium, Total	10500		mg/kg	9.43	1.45	2	07/07/22 08:10	07/08/22 10:21	EPA 3050B	1,6010D	SB
Manganese, Total	750		mg/kg	0.943	0.150	2	07/07/22 08:10	07/08/22 10:21	EPA 3050B	1,6010D	SB
Mercury, Total	ND		mg/kg	0.077	0.050	1	07/07/22 07:15	07/07/22 11:40	EPA 7471B	1,7471B	DMB
Nickel, Total	17.6		mg/kg	2.36	0.228	2	07/07/22 08:10	07/08/22 10:21	EPA 3050B	1,6010D	SB
Potassium, Total	860		mg/kg	236	13.6	2	07/07/22 08:10	07/08/22 10:21	EPA 3050B	1,6010D	SB
Selenium, Total	ND		mg/kg	1.88	0.243	2	07/07/22 08:10	07/08/22 10:21	EPA 3050B	1,6010D	SB
Silver, Total	ND		mg/kg	0.943	0.267	2	07/07/22 08:10	07/08/22 10:21	EPA 3050B	1,6010D	SB
Sodium, Total	74.2	J	mg/kg	188	2.97	2	07/07/22 08:10	07/08/22 10:21	EPA 3050B	1,6010D	SB
Thallium, Total	ND		mg/kg	1.88	0.297	2	07/07/22 08:10	07/08/22 10:21	EPA 3050B	1,6010D	SB
Vanadium, Total	20.4		mg/kg	0.943	0.191	2	07/07/22 08:10	07/08/22 10:21	EPA 3050B	1,6010D	SB
Zinc, Total	43.7		mg/kg	4.71	0.276	2	07/07/22 08:10	07/08/22 10:21	EPA 3050B	1,6010D	SB



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-25
 Client ID: TP-ST24-40-06-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8000		mg/kg	9.08	2.45	2	07/07/22 08:10	07/08/22 10:26	EPA 3050B	1,6010D	SB
Antimony, Total	ND		mg/kg	4.54	0.345	2	07/07/22 08:10	07/08/22 10:26	EPA 3050B	1,6010D	SB
Arsenic, Total	4.37		mg/kg	0.908	0.189	2	07/07/22 08:10	07/08/22 10:26	EPA 3050B	1,6010D	SB
Barium, Total	69.6		mg/kg	0.908	0.158	2	07/07/22 08:10	07/08/22 10:26	EPA 3050B	1,6010D	SB
Beryllium, Total	0.418	J	mg/kg	0.454	0.030	2	07/07/22 08:10	07/08/22 10:26	EPA 3050B	1,6010D	SB
Cadmium, Total	0.726	J	mg/kg	0.908	0.089	2	07/07/22 08:10	07/08/22 10:26	EPA 3050B	1,6010D	SB
Calcium, Total	42900		mg/kg	9.08	3.18	2	07/07/22 08:10	07/08/22 10:26	EPA 3050B	1,6010D	SB
Chromium, Total	12.6		mg/kg	0.908	0.087	2	07/07/22 08:10	07/08/22 10:26	EPA 3050B	1,6010D	SB
Cobalt, Total	8.20		mg/kg	1.82	0.151	2	07/07/22 08:10	07/08/22 10:26	EPA 3050B	1,6010D	SB
Copper, Total	15.8		mg/kg	0.908	0.234	2	07/07/22 08:10	07/08/22 10:26	EPA 3050B	1,6010D	SB
Iron, Total	17300		mg/kg	4.54	0.820	2	07/07/22 08:10	07/08/22 10:26	EPA 3050B	1,6010D	SB
Lead, Total	7.38		mg/kg	4.54	0.243	2	07/07/22 08:10	07/08/22 10:26	EPA 3050B	1,6010D	SB
Magnesium, Total	11000		mg/kg	9.08	1.40	2	07/07/22 08:10	07/08/22 10:26	EPA 3050B	1,6010D	SB
Manganese, Total	445		mg/kg	0.908	0.144	2	07/07/22 08:10	07/08/22 10:26	EPA 3050B	1,6010D	SB
Mercury, Total	ND		mg/kg	0.073	0.048	1	07/07/22 07:15	07/07/22 11:43	EPA 7471B	1,7471B	DMB
Nickel, Total	16.9		mg/kg	2.27	0.220	2	07/07/22 08:10	07/08/22 10:26	EPA 3050B	1,6010D	SB
Potassium, Total	879		mg/kg	227	13.1	2	07/07/22 08:10	07/08/22 10:26	EPA 3050B	1,6010D	SB
Selenium, Total	ND		mg/kg	1.82	0.234	2	07/07/22 08:10	07/08/22 10:26	EPA 3050B	1,6010D	SB
Silver, Total	ND		mg/kg	0.908	0.257	2	07/07/22 08:10	07/08/22 10:26	EPA 3050B	1,6010D	SB
Sodium, Total	108	J	mg/kg	182	2.86	2	07/07/22 08:10	07/08/22 10:26	EPA 3050B	1,6010D	SB
Thallium, Total	ND		mg/kg	1.82	0.286	2	07/07/22 08:10	07/08/22 10:26	EPA 3050B	1,6010D	SB
Vanadium, Total	19.4		mg/kg	0.908	0.184	2	07/07/22 08:10	07/08/22 10:26	EPA 3050B	1,6010D	SB
Zinc, Total	44.4		mg/kg	4.54	0.266	2	07/07/22 08:10	07/08/22 10:26	EPA 3050B	1,6010D	SB



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-26
 Client ID: TP-ST24-1824-11-06162022
 Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 13:30
 Date Received: 06/16/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8750		mg/kg	8.76	2.36	2	07/07/22 08:10	07/08/22 11:15	EPA 3050B	1,6010D	SB
Antimony, Total	ND		mg/kg	4.38	0.333	2	07/07/22 08:10	07/08/22 11:15	EPA 3050B	1,6010D	SB
Arsenic, Total	3.29		mg/kg	0.876	0.182	2	07/07/22 08:10	07/08/22 11:15	EPA 3050B	1,6010D	SB
Barium, Total	68.1		mg/kg	0.876	0.152	2	07/07/22 08:10	07/08/22 11:15	EPA 3050B	1,6010D	SB
Beryllium, Total	0.420	J	mg/kg	0.438	0.029	2	07/07/22 08:10	07/08/22 11:15	EPA 3050B	1,6010D	SB
Cadmium, Total	0.692	J	mg/kg	0.876	0.086	2	07/07/22 08:10	07/08/22 11:15	EPA 3050B	1,6010D	SB
Calcium, Total	42600		mg/kg	8.76	3.07	2	07/07/22 08:10	07/08/22 11:15	EPA 3050B	1,6010D	SB
Chromium, Total	13.1		mg/kg	0.876	0.084	2	07/07/22 08:10	07/08/22 11:15	EPA 3050B	1,6010D	SB
Cobalt, Total	7.06		mg/kg	1.75	0.145	2	07/07/22 08:10	07/08/22 11:15	EPA 3050B	1,6010D	SB
Copper, Total	12.5		mg/kg	0.876	0.226	2	07/07/22 08:10	07/08/22 11:15	EPA 3050B	1,6010D	SB
Iron, Total	16100		mg/kg	4.38	0.791	2	07/07/22 08:10	07/08/22 11:15	EPA 3050B	1,6010D	SB
Lead, Total	6.89		mg/kg	4.38	0.235	2	07/07/22 08:10	07/08/22 11:15	EPA 3050B	1,6010D	SB
Magnesium, Total	9960		mg/kg	8.76	1.35	2	07/07/22 08:10	07/08/22 11:15	EPA 3050B	1,6010D	SB
Manganese, Total	369		mg/kg	0.876	0.139	2	07/07/22 08:10	07/08/22 11:15	EPA 3050B	1,6010D	SB
Mercury, Total	ND		mg/kg	0.073	0.048	1	07/07/22 07:15	07/07/22 11:46	EPA 7471B	1,7471B	DMB
Nickel, Total	15.8		mg/kg	2.19	0.212	2	07/07/22 08:10	07/08/22 11:15	EPA 3050B	1,6010D	SB
Potassium, Total	808		mg/kg	219	12.6	2	07/07/22 08:10	07/08/22 11:15	EPA 3050B	1,6010D	SB
Selenium, Total	ND		mg/kg	1.75	0.226	2	07/07/22 08:10	07/08/22 11:15	EPA 3050B	1,6010D	SB
Silver, Total	ND		mg/kg	0.876	0.248	2	07/07/22 08:10	07/08/22 11:15	EPA 3050B	1,6010D	SB
Sodium, Total	70.5	J	mg/kg	175	2.76	2	07/07/22 08:10	07/08/22 11:15	EPA 3050B	1,6010D	SB
Thallium, Total	ND		mg/kg	1.75	0.276	2	07/07/22 08:10	07/08/22 11:15	EPA 3050B	1,6010D	SB
Vanadium, Total	18.1		mg/kg	0.876	0.178	2	07/07/22 08:10	07/08/22 11:15	EPA 3050B	1,6010D	SB
Zinc, Total	43.0		mg/kg	4.38	0.257	2	07/07/22 08:10	07/08/22 11:15	EPA 3050B	1,6010D	SB



Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

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): 01-20 Batch: WG1659523-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	07/06/22 20:47	07/13/22 15:54	1,6010D	MC
Antimony, Total	ND		mg/kg	2.00	0.152	1	07/06/22 20:47	07/13/22 15:54	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	07/06/22 20:47	07/13/22 15:54	1,6010D	MC
Barium, Total	ND		mg/kg	0.400	0.070	1	07/06/22 20:47	07/13/22 15:54	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	07/06/22 20:47	07/13/22 15:54	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	07/06/22 20:47	07/13/22 15:54	1,6010D	MC
Calcium, Total	ND		mg/kg	4.00	1.40	1	07/06/22 20:47	07/13/22 15:54	1,6010D	MC
Chromium, Total	ND		mg/kg	0.400	0.038	1	07/06/22 20:47	07/13/22 15:54	1,6010D	MC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	07/06/22 20:47	07/13/22 15:54	1,6010D	MC
Copper, Total	ND		mg/kg	0.400	0.103	1	07/06/22 20:47	07/13/22 15:54	1,6010D	MC
Iron, Total	ND		mg/kg	2.00	0.361	1	07/06/22 20:47	07/13/22 15:54	1,6010D	MC
Lead, Total	0.184	J	mg/kg	2.00	0.107	1	07/06/22 20:47	07/13/22 15:54	1,6010D	MC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	07/06/22 20:47	07/13/22 15:54	1,6010D	MC
Manganese, Total	ND		mg/kg	0.400	0.064	1	07/06/22 20:47	07/13/22 15:54	1,6010D	MC
Nickel, Total	ND		mg/kg	1.00	0.097	1	07/06/22 20:47	07/13/22 15:54	1,6010D	MC
Potassium, Total	ND		mg/kg	100	5.76	1	07/06/22 20:47	07/13/22 15:54	1,6010D	MC
Selenium, Total	ND		mg/kg	0.800	0.103	1	07/06/22 20:47	07/13/22 15:54	1,6010D	MC
Silver, Total	ND		mg/kg	0.400	0.113	1	07/06/22 20:47	07/13/22 15:54	1,6010D	MC
Sodium, Total	ND		mg/kg	80.0	1.26	1	07/06/22 20:47	07/13/22 15:54	1,6010D	MC
Thallium, Total	ND		mg/kg	0.800	0.126	1	07/06/22 20:47	07/13/22 15:54	1,6010D	MC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	07/06/22 20:47	07/13/22 15:54	1,6010D	MC
Zinc, Total	ND		mg/kg	2.00	0.117	1	07/06/22 20:47	07/13/22 15:54	1,6010D	MC

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): 01-20 Batch: WG1659525-1										
Mercury, Total	0.074	J	mg/kg	0.083	0.054	1	07/06/22 21:56	07/07/22 09:21	1,7471B	DMB



Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

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
Total Metals - Mansfield Lab for sample(s): 21-26 Batch: WG1659711-1									
Mercury, Total	ND	mg/kg	0.083	0.054	1	07/07/22 07:15	07/07/22 10:57	1,7471B	DMB

Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 21-26 Batch: WG1659713-1									
Aluminum, Total	ND	mg/kg	4.00	1.08	1	07/07/22 08:10	07/08/22 09:17	1,6010D	SB
Antimony, Total	ND	mg/kg	2.00	0.152	1	07/07/22 08:10	07/08/22 09:17	1,6010D	SB
Arsenic, Total	0.100 J	mg/kg	0.400	0.083	1	07/07/22 08:10	07/08/22 09:17	1,6010D	SB
Barium, Total	ND	mg/kg	0.400	0.070	1	07/07/22 08:10	07/08/22 09:17	1,6010D	SB
Beryllium, Total	ND	mg/kg	0.200	0.013	1	07/07/22 08:10	07/08/22 09:17	1,6010D	SB
Cadmium, Total	ND	mg/kg	0.400	0.039	1	07/07/22 08:10	07/08/22 09:17	1,6010D	SB
Calcium, Total	ND	mg/kg	4.00	1.40	1	07/07/22 08:10	07/08/22 09:17	1,6010D	SB
Chromium, Total	ND	mg/kg	0.400	0.038	1	07/07/22 08:10	07/08/22 09:17	1,6010D	SB
Cobalt, Total	ND	mg/kg	0.800	0.066	1	07/07/22 08:10	07/08/22 09:17	1,6010D	SB
Copper, Total	ND	mg/kg	0.400	0.103	1	07/07/22 08:10	07/08/22 09:17	1,6010D	SB
Iron, Total	ND	mg/kg	2.00	0.361	1	07/07/22 08:10	07/08/22 09:17	1,6010D	SB
Lead, Total	ND	mg/kg	2.00	0.107	1	07/07/22 08:10	07/08/22 09:17	1,6010D	SB
Magnesium, Total	ND	mg/kg	4.00	0.616	1	07/07/22 08:10	07/08/22 09:17	1,6010D	SB
Manganese, Total	ND	mg/kg	0.400	0.064	1	07/07/22 08:10	07/08/22 09:17	1,6010D	SB
Nickel, Total	ND	mg/kg	1.00	0.097	1	07/07/22 08:10	07/08/22 09:17	1,6010D	SB
Potassium, Total	ND	mg/kg	100	5.76	1	07/07/22 08:10	07/08/22 09:17	1,6010D	SB
Selenium, Total	ND	mg/kg	0.800	0.103	1	07/07/22 08:10	07/08/22 09:17	1,6010D	SB
Silver, Total	ND	mg/kg	0.400	0.113	1	07/07/22 08:10	07/08/22 09:17	1,6010D	SB
Sodium, Total	1.27 J	mg/kg	80.0	1.26	1	07/07/22 08:10	07/08/22 09:17	1,6010D	SB
Thallium, Total	ND	mg/kg	0.800	0.126	1	07/07/22 08:10	07/08/22 09:17	1,6010D	SB



Project Name: RITC
Project Number: ST24CLOSURE SAMPLII

Lab Number: L2232292
Report Date: 07/14/22

Method Blank Analysis Batch Quality Control

Vanadium, Total	ND	mg/kg	0.400	0.081	1	07/07/22 08:10	07/08/22 09:17	1,6010D	SB
Zinc, Total	ND	mg/kg	2.00	0.117	1	07/07/22 08:10	07/08/22 09:17	1,6010D	SB

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-20 Batch: WG1659523-2 SRM Lot Number: D113-540								
Aluminum, Total	81		-		51-149	-		
Antimony, Total	117		-		20-250	-		
Arsenic, Total	101		-		70-130	-		
Barium, Total	99		-		75-125	-		
Beryllium, Total	90		-		75-125	-		
Cadmium, Total	92		-		75-125	-		
Calcium, Total	90		-		73-128	-		
Chromium, Total	93		-		70-130	-		
Cobalt, Total	97		-		75-125	-		
Copper, Total	100		-		75-125	-		
Iron, Total	99		-		36-164	-		
Lead, Total	97		-		72-128	-		
Magnesium, Total	92		-		63-138	-		
Manganese, Total	97		-		77-123	-		
Nickel, Total	95		-		70-130	-		
Potassium, Total	89		-		59-141	-		
Selenium, Total	103		-		66-134	-		
Silver, Total	98		-		70-131	-		
Sodium, Total	102		-		35-164	-		
Thallium, Total	93		-		70-130	-		
Vanadium, Total	100		-		74-126	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-20 Batch: WG1659523-2 SRM Lot Number: D113-540					
Zinc, Total	92	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-20 Batch: WG1659525-2 SRM Lot Number: D113-540					
Mercury, Total	103	-	60-140	-	
Total Metals - Mansfield Lab Associated sample(s): 21-26 Batch: WG1659711-2 SRM Lot Number: D113-540					
Mercury, Total	100	-	60-140	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 21-26 Batch: WG1659713-2 SRM Lot Number: D113-540					
Aluminum, Total	80	-	51-149	-	
Antimony, Total	172	-	20-250	-	
Arsenic, Total	100	-	70-130	-	
Barium, Total	96	-	75-125	-	
Beryllium, Total	102	-	75-125	-	
Cadmium, Total	94	-	75-125	-	
Calcium, Total	98	-	73-128	-	
Chromium, Total	99	-	70-130	-	
Cobalt, Total	98	-	75-125	-	
Copper, Total	96	-	75-125	-	
Iron, Total	101	-	36-164	-	
Lead, Total	95	-	72-128	-	
Magnesium, Total	90	-	63-138	-	
Manganese, Total	95	-	77-123	-	
Nickel, Total	96	-	70-130	-	
Potassium, Total	89	-	59-141	-	
Selenium, Total	102	-	66-134	-	
Silver, Total	103	-	70-131	-	
Sodium, Total	93	-	35-164	-	
Thallium, Total	95	-	70-130	-	
Vanadium, Total	97	-	74-126	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 21-26 Batch: WG1659713-2 SRM Lot Number: D113-540					
Zinc, Total	96	-	70-130	-	

Matrix Spike Analysis Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

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): 01-20			QC Batch ID: WG1659523-3			QC Sample: L2232292-01			Client ID: TP-ST24-06-01-06162022			
Aluminum, Total	10100	222	11400	586	Q	-	-		75-125	-		20
Antimony, Total	ND	55.4	18.2	33	Q	-	-		75-125	-		20
Arsenic, Total	6.85	13.3	16.4	72	Q	-	-		75-125	-		20
Barium, Total	58.4	222	243	83		-	-		75-125	-		20
Beryllium, Total	0.976	5.54	4.74	68	Q	-	-		75-125	-		20
Cadmium, Total	1.82	5.87	5.28	59	Q	-	-		75-125	-		20
Calcium, Total	12300	1110	14300	180	Q	-	-		75-125	-		20
Chromium, Total	17.7	22.2	32.5	67	Q	-	-		75-125	-		20
Cobalt, Total	6.31	55.4	41.4	63	Q	-	-		75-125	-		20
Copper, Total	32.5	27.7	49.4	61	Q	-	-		75-125	-		20
Iron, Total	39000	111	35200	0	Q	-	-		75-125	-		20
Lead, Total	319	58.7	279	0	Q	-	-		75-125	-		20
Magnesium, Total	4870	1110	5880	91		-	-		75-125	-		20
Manganese, Total	273	55.4	334	110		-	-		75-125	-		20
Nickel, Total	20.6	55.4	55.4	63	Q	-	-		75-125	-		20
Potassium, Total	558	1110	1660	99		-	-		75-125	-		20
Selenium, Total	0.314J	13.3	9.16	69	Q	-	-		75-125	-		20
Silver, Total	ND	33.2	23.8	72	Q	-	-		75-125	-		20
Sodium, Total	41.2J	1110	930	84		-	-		75-125	-		20
Thallium, Total	ND	13.3	6.59	50	Q	-	-		75-125	-		20
Vanadium, Total	17.0	55.4	57.8	74	Q	-	-		75-125	-		20

Matrix Spike Analysis Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

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): 01-20 QC Batch ID: WG1659523-3 QC Sample: L2232292-01 Client ID: TP-ST24-06-01-06162022									
Zinc, Total	56.9	55.4	86.9	54	Q	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-20 QC Batch ID: WG1659525-3 QC Sample: L2232292-01 Client ID: TP-ST24-06-01-06162022									
Mercury, Total	0.153	2.04	2.13	97	-	-	80-120	-	20
Total Metals - Mansfield Lab Associated sample(s): 21-26 QC Batch ID: WG1659711-3 WG1659711-4 QC Sample: L2235851-03 Client ID: MS Sample									
Mercury, Total	1.02	1.44	0.995	0	Q	1.13	8	Q 80-120	13 20

Matrix Spike Analysis Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

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): 21-26 QC Batch ID: WG1659713-3 QC Sample: L2232112-01 Client ID: MS Sample									
Aluminum, Total	2180	159	2100	0	Q	-	75-125	-	20
Antimony, Total	ND	39.8	26.8	67	Q	-	75-125	-	20
Arsenic, Total	4.90	9.56	11.6	70	Q	-	75-125	-	20
Barium, Total	10.2	159	128	74	Q	-	75-125	-	20
Beryllium, Total	0.225	3.98	3.21	75		-	75-125	-	20
Cadmium, Total	0.194J	4.22	3.16	75		-	75-125	-	20
Calcium, Total	639	797	1240	75		-	75-125	-	20
Chromium, Total	5.22	15.9	14.9	61	Q	-	75-125	-	20
Cobalt, Total	2.29	39.8	28.1	65	Q	-	75-125	-	20
Copper, Total	2.99	19.9	17.9	75		-	75-125	-	20
Iron, Total	4960	79.7	4550	0	Q	-	75-125	-	20
Lead, Total	2.02	42.2	30.5	67	Q	-	75-125	-	20
Magnesium, Total	899	797	1340	55	Q	-	75-125	-	20
Manganese, Total	63.2	39.8	92.5	74	Q	-	75-125	-	20
Nickel, Total	4.17	39.8	30.1	65	Q	-	75-125	-	20
Potassium, Total	568	797	1080	64	Q	-	75-125	-	20
Selenium, Total	ND	9.56	7.00	73	Q	-	75-125	-	20
Silver, Total	ND	23.9	18.4	77		-	75-125	-	20
Sodium, Total	44.4J	797	661	83		-	75-125	-	20
Thallium, Total	ND	9.56	5.99	63	Q	-	75-125	-	20
Vanadium, Total	7.21	39.8	35.3	70	Q	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

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): 21-26 QC Batch ID: WG1659713-3 QC Sample: L2232112-01 Client ID: MS Sample										
Zinc, Total	15.6	39.8	40.4	62	Q	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-20 QC Batch ID: WG1659523-4 QC Sample: L2232292-01 Client ID: TP-ST24-06-01-06162022						
Aluminum, Total	10100	11200	mg/kg	10		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	6.85	7.20	mg/kg	5		20
Barium, Total	58.4	70.9	mg/kg	19		20
Beryllium, Total	0.976	0.973	mg/kg	0		20
Cadmium, Total	1.82	1.71	mg/kg	6		20
Calcium, Total	12300	14200	mg/kg	14		20
Chromium, Total	17.7	19.8	mg/kg	11		20
Cobalt, Total	6.31	6.66	mg/kg	5		20
Copper, Total	32.5	34.3	mg/kg	5		20
Iron, Total	39000	38800	mg/kg	1		20
Lead, Total	319	317	mg/kg	1		20
Magnesium, Total	4870	6060	mg/kg	22	Q	20
Manganese, Total	273	266	mg/kg	3		20
Nickel, Total	20.6	20.8	mg/kg	1		20
Potassium, Total	558	680	mg/kg	20		20
Selenium, Total	0.314J	0.387J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	41.2J	48.3J	mg/kg	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-20 QC Batch ID: WG1659523-4 QC Sample: L2232292-01 Client ID: TP-ST24-06-01-06162022					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	17.0	18.7	mg/kg	10	20
Zinc, Total	56.9	53.5	mg/kg	6	20
Total Metals - Mansfield Lab Associated sample(s): 01-20 QC Batch ID: WG1659525-4 QC Sample: L2232292-01 Client ID: TP-ST24-06-01-06162022					
Mercury, Total	0.153	0.146	mg/kg	5	20
Total Metals - Mansfield Lab Associated sample(s): 21-26 QC Batch ID: WG1659713-4 QC Sample: L2232112-01 Client ID: DUP Sample					
Arsenic, Total	4.90	4.42	mg/kg	10	20
Barium, Total	10.2	10.5	mg/kg	3	20
Cadmium, Total	0.194J	0.184J	mg/kg	NC	20
Chromium, Total	5.22	4.34	mg/kg	18	20
Lead, Total	2.02	1.98J	mg/kg	NC	20
Selenium, Total	ND	ND	mg/kg	NC	20
Silver, Total	ND	ND	mg/kg	NC	20

Project Name: RITC
Project Number: ST24CLOSURE SAI

**Lab Serial Dilution
Analysis**
Batch Quality Control

Lab Number: L2232292
Report Date: 07/14/22

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-20 QC Batch ID: WG1659523-6 QC Sample: L2232292-01 Client ID: TP-ST24-06-01-06162022						
Aluminum, Total	10100	15000	mg/kg	49	Q	20
Barium, Total	58.4	87.6	mg/kg	50	Q	20
Calcium, Total	12300	18900	mg/kg	54	Q	20
Copper, Total	32.5	47.4	mg/kg	46	Q	20
Iron, Total	39000	66500	mg/kg	71	Q	20
Lead, Total	319	513	mg/kg	61	Q	20
Magnesium, Total	4870	8000	mg/kg	64	Q	20
Manganese, Total	273	427	mg/kg	56	Q	20

INORGANICS & MISCELLANEOUS

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-01
Client ID: TP-ST24-06-01-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 09:45
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	68.0		%	0.100	NA	1	-	06/18/22 09:08	121,2540G	RI
Cyanide, Total	0.37	J	mg/kg	1.4	0.30	1	06/22/22 16:15	06/23/22 10:20	1,9010C/9012B	CS
Nitrogen, Ammonia	28		mg/kg	9.7	3.6	1	06/26/22 06:30	06/28/22 16:30	121,4500NH3-BH	JO



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-02
Client ID: TP-ST24-618-01-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 09:45
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.3		%	0.100	NA	1	-	06/18/22 09:08	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.26	1	06/22/22 16:15	06/23/22 10:21	1,9010C/9012B	CS
Nitrogen, Ammonia	27		mg/kg	9.6	3.6	1	06/26/22 06:30	06/28/22 16:13	121,4500NH3-BH	JO



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-03
Client ID: TP-ST24-06-02-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:15
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	66.7		%	0.100	NA	1	-	06/18/22 09:08	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.5	0.31	1	06/22/22 16:15	06/23/22 10:22	1,9010C/9012B	CS
Nitrogen, Ammonia	27		mg/kg	9.1	3.4	1	06/26/22 06:30	06/28/22 16:14	121,4500NH3-BH	JO



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-04
Client ID: TP-ST24-618-02-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:15
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.0		%	0.100	NA	1	-	06/18/22 09:08	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	06/22/22 16:15	06/23/22 10:25	1,9010C/9012B	CS
Nitrogen, Ammonia	43		mg/kg	7.5	2.8	1	06/26/22 06:30	06/28/22 16:15	121,4500NH3-BH	JO



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-05
Client ID: TP-ST24-06-03-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:30
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.7		%	0.100	NA	1	-	06/18/22 09:08	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.22	1	06/22/22 16:15	06/23/22 10:26	1,9010C/9012B	CS
Nitrogen, Ammonia	11		mg/kg	7.4	2.8	1	06/26/22 06:30	06/28/22 16:16	121,4500NH3-BH	JO



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-06
Client ID: TP-ST24-618-03-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:30
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.7		%	0.100	NA	1	-	06/18/22 09:08	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	06/22/22 16:15	06/23/22 10:27	1,9010C/9012B	CS
Nitrogen, Ammonia	16		mg/kg	8.6	3.2	1	06/26/22 06:30	06/28/22 16:17	121,4500NH3-BH	JO



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-07
Client ID: TP-ST24-06-04-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.3		%	0.100	NA	1	-	06/18/22 09:08	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	06/22/22 16:15	06/23/22 10:28	1,9010C/9012B	CS
Nitrogen, Ammonia	17		mg/kg	6.3	2.4	1	06/26/22 06:30	06/28/22 16:18	121,4500NH3-BH	JO



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-08
Client ID: TP-ST24-618-04-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.6		%	0.100	NA	1	-	06/18/22 09:08	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	06/22/22 16:15	06/23/22 10:31	1,9010C/9012B	CS
Nitrogen, Ammonia	34		mg/kg	7.7	2.8	1	06/26/22 06:30	06/28/22 16:19	121,4500NH3-BH	JO



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-09
Client ID: TP-ST24-06-05-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:00
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	62.4		%	0.100	NA	1	-	06/18/22 09:08	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.5	0.32	1	06/28/22 02:00	06/28/22 10:51	1,9010C/9012B	CS
Nitrogen, Ammonia	26		mg/kg	9.7	3.6	1	06/26/22 06:30	06/28/22 16:20	121,4500NH3-BH	JO



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-10
Client ID: TP-ST24-618-05-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:00
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.8		%	0.100	NA	1	-	06/18/22 09:08	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	06/28/22 02:00	06/28/22 10:52	1,9010C/9012B	CS
Nitrogen, Ammonia	9.5		mg/kg	6.8	2.6	1	06/26/22 06:30	06/28/22 16:21	121,4500NH3-BH	JO



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-11
Client ID: TP-ST24-06-06-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:15
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	69.1		%	0.100	NA	1	-	06/18/22 09:08	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.3	0.28	1	06/28/22 02:00	06/28/22 10:53	1,9010C/9012B	CS
Nitrogen, Ammonia	25		mg/kg	8.4	3.1	1	06/26/22 06:30	06/28/22 16:22	121,4500NH3-BH	JO



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-12
Client ID: TP-ST24-618-06-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:15
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.8		%	0.100	NA	1	-	06/18/22 09:08	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.26	1	06/28/22 02:00	06/28/22 10:54	1,9010C/9012B	CS
Nitrogen, Ammonia	6.1	J	mg/kg	7.1	2.6	1	07/07/22 17:09	07/08/22 12:48	121,4500NH3-BH	KP



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-13
Client ID: TP-ST24-06-07-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:30
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	72.5		%	0.100	NA	1	-	06/18/22 09:08	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.3	0.28	1	06/28/22 02:00	06/28/22 10:55	1,9010C/9012B	CS
Nitrogen, Ammonia	16		mg/kg	7.5	2.8	1	07/07/22 17:09	07/08/22 12:49	121,4500NH3-BH	KP



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-14
Client ID: TP-ST24-618-07-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:30
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.2		%	0.100	NA	1	-	06/18/22 09:08	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.26	1	06/28/22 02:00	06/28/22 10:56	1,9010C/9012B	CS
Nitrogen, Ammonia	6.7	J	mg/kg	6.9	2.6	1	07/07/22 17:09	07/08/22 12:53	121,4500NH3-BH	KP



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-15
Client ID: TP-ST24-06-08-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:45
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	56.9		%	0.100	NA	1	-	06/18/22 09:08	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.7	0.36	1	06/28/22 02:00	06/28/22 10:37	1,9010C/9012B	CS
Nitrogen, Ammonia	6.5	J	mg/kg	8.8	3.3	1	07/07/22 17:09	07/08/22 12:54	121,4500NH3-BH	KP



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-16
Client ID: TP-ST24-618-08-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 11:45
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.2		%	0.100	NA	1	-	06/18/22 09:08	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.27	1	06/28/22 02:00	06/28/22 10:38	1,9010C/9012B	CS
Nitrogen, Ammonia	3.9	J	mg/kg	6.8	2.5	1	07/07/22 17:09	07/08/22 12:55	121,4500NH3-BH	KP



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-17
Client ID: TP-ST24-06-09-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:00
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	66.2		%	0.100	NA	1	-	06/18/22 09:08	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.4	0.29	1	06/28/22 02:00	06/28/22 10:39	1,9010C/9012B	CS
Nitrogen, Ammonia	6.4	J	mg/kg	8.0	3.0	1	07/07/22 17:09	07/08/22 12:56	121,4500NH3-BH	KP



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-18
Client ID: TP-ST24-618-09-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:00
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.2		%	0.100	NA	1	-	06/18/22 09:08	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.3	0.28	1	06/28/22 02:00	06/28/22 10:40	1,9010C/9012B	CS
Nitrogen, Ammonia	13		mg/kg	7.7	2.9	1	07/07/22 17:09	07/08/22 12:56	121,4500NH3-BH	KP



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-19
Client ID: TP-ST24-06-10-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:15
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	68.8		%	0.100	NA	1	-	06/18/22 09:08	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.4	0.30	1	06/28/22 02:00	06/28/22 10:41	1,9010C/9012B	CS
Nitrogen, Ammonia	3.6	J	mg/kg	7.4	2.8	1	07/07/22 17:09	07/08/22 12:57	121,4500NH3-BH	KP



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-20
Client ID: TP-ST24-618-10-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 12:15
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.3		%	0.100	NA	1	-	06/18/22 09:08	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.26	1	06/28/22 02:00	06/28/22 10:42	1,9010C/9012B	CS
Nitrogen, Ammonia	7.2		mg/kg	7.0	2.6	1	07/07/22 17:09	07/08/22 12:58	121,4500NH3-BH	KP



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-21
Client ID: TP-ST24-06-11-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 13:30
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	62.2		%	0.100	NA	1	-	06/18/22 09:20	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.5	0.32	1	06/28/22 12:05	06/29/22 09:02	1,9010C/9012B	CS
Nitrogen, Ammonia	3.8	J	mg/kg	8.0	3.0	1	07/07/22 17:09	07/08/22 12:59	121,4500NH3-BH	KP



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-22
Client ID: TP-ST24-618-11-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 14:00
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.2		%	0.100	NA	1	-	06/18/22 09:20	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.26	1	06/28/22 12:05	06/29/22 09:03	1,9010C/9012B	CS
Nitrogen, Ammonia	3.8	J	mg/kg	6.4	2.4	1	07/07/22 17:09	07/08/22 13:00	121,4500NH3-BH	KP



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-23
Client ID: TP-ST24-06-12-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 14:15
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	65.6		%	0.100	NA	1	-	06/18/22 09:20	121,2540G	RI
Cyanide, Total	0.51	J	mg/kg	1.5	0.31	1	06/28/22 12:05	06/29/22 09:04	1,9010C/9012B	CS
Nitrogen, Ammonia	11		mg/kg	8.2	3.0	1	07/07/22 17:09	07/08/22 13:01	121,4500NH3-BH	KP



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-24
Client ID: TP-ST24-618-12-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 14:30
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.6		%	0.100	NA	1	-	06/18/22 09:20	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	06/28/22 12:05	06/29/22 09:05	1,9010C/9012B	CS
Nitrogen, Ammonia	3.6	J	mg/kg	6.2	2.3	1	07/07/22 17:09	07/08/22 13:05	121,4500NH3-BH	KP



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-25
Client ID: TP-ST24-40-06-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 10:45
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.8		%	0.100	NA	1	-	06/18/22 09:20	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	06/22/22 16:15	06/23/22 10:32	1,9010C/9012B	CS
Nitrogen, Ammonia	3.9	J	mg/kg	6.2	2.3	1	07/07/22 17:09	07/08/22 13:06	121,4500NH3-BH	KP



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

SAMPLE RESULTS

Lab ID: L2232292-26
Client ID: TP-ST24-1824-11-06162022
Sample Location: 3875 RIVER RD

Date Collected: 06/16/22 13:30
Date Received: 06/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.2		%	0.100	NA	1	-	06/18/22 09:20	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	06/28/22 12:05	06/29/22 09:06	1,9010C/9012B	CS
Nitrogen, Ammonia	2.7	J	mg/kg	6.4	2.4	1	07/07/22 17:09	07/08/22 13:07	121,4500NH3-BH	KP



Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

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): 01-08,25 Batch: WG1654032-1										
Cyanide, Total	ND		mg/kg	0.95	0.20	1	06/22/22 16:15	06/23/22 10:00	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 01-11 Batch: WG1655652-1										
Nitrogen, Ammonia	2.5	J	mg/kg	7.5	0.02	1	06/26/22 06:30	06/28/22 15:56	121,4500NH3-BH	JO
General Chemistry - Westborough Lab for sample(s): 09-14 Batch: WG1656083-1										
Cyanide, Total	ND		mg/kg	0.94	0.20	1	06/28/22 02:00	06/28/22 10:27	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 15-20 Batch: WG1656084-1										
Cyanide, Total	ND		mg/kg	0.94	0.20	1	06/28/22 02:00	06/28/22 10:27	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 21-24,26 Batch: WG1656310-1										
Cyanide, Total	ND		mg/kg	0.94	0.20	1	06/28/22 12:05	06/29/22 08:52	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 12-26 Batch: WG1659869-1										
Nitrogen, Ammonia	ND		mg/kg	7.5	0.02	1	07/07/22 17:09	07/08/22 12:40	121,4500NH3-BH	KP

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
General Chemistry - Westborough Lab Associated sample(s): 01-08,25 Batch: WG1654032-2 WG1654032-3								
Cyanide, Total	77	Q	97		80-120	14		35
General Chemistry - Westborough Lab Associated sample(s): 01-11 Batch: WG1655652-2								
Nitrogen, Ammonia	94		-		83-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 09-14 Batch: WG1656083-2 WG1656083-3								
Cyanide, Total	53	Q	82		80-120	57	Q	35
General Chemistry - Westborough Lab Associated sample(s): 15-20 Batch: WG1656084-2 WG1656084-3								
Cyanide, Total	53	Q	82		80-120	57	Q	35
General Chemistry - Westborough Lab Associated sample(s): 21-24,26 Batch: WG1656310-2 WG1656310-3								
Cyanide, Total	71	Q	78	Q	80-120	4		35
General Chemistry - Westborough Lab Associated sample(s): 12-26 Batch: WG1659869-2								
Nitrogen, Ammonia	98		-		83-115	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08,25 QC Batch ID: WG1654032-4 WG1654032-5 QC Sample: L2232292-07 Client ID: TP-ST24-06-04-06162022												
Cyanide, Total	ND	11	9.7	85		11	99		75-125	13		35
General Chemistry - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG1655652-4 QC Sample: L2229587-01 Client ID: MS Sample												
Nitrogen, Ammonia	8900	590	8800	0	Q	-	-		55-144	-		20
General Chemistry - Westborough Lab Associated sample(s): 09-14 QC Batch ID: WG1656083-4 WG1656083-5 QC Sample: L2232278-06 Client ID: MS Sample												
Cyanide, Total	ND	10	10	100		10	99		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 15-20 QC Batch ID: WG1656084-4 WG1656084-5 QC Sample: L2232278-09 Client ID: MS Sample												
Cyanide, Total	ND	12	12	100		12	110		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 21-24,26 QC Batch ID: WG1656310-4 WG1656310-5 QC Sample: L2233278-01 Client ID: MS Sample												
Cyanide, Total	ND	11	12	100		11	94		75-125	9		35
General Chemistry - Westborough Lab Associated sample(s): 12-26 QC Batch ID: WG1659869-4 QC Sample: L2233400-01 Client ID: MS Sample												
Nitrogen, Ammonia	9700	440	8800	0	Q	-	-		55-144	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

Lab Number: L2232292
Report Date: 07/14/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG1652346-1 QC Sample: L2232292-01 Client ID: TP-ST24-06-01-06162022						
Solids, Total	68.0	64.8	%	5		20
General Chemistry - Westborough Lab Associated sample(s): 21-26 QC Batch ID: WG1652347-1 QC Sample: L2232203-01 Client ID: DUP Sample						
Solids, Total	81.6	81.1	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG1655652-3 QC Sample: L2229587-01 Client ID: DUP Sample						
Nitrogen, Ammonia	8900	7300	mg/kg	20		20
General Chemistry - Westborough Lab Associated sample(s): 12-26 QC Batch ID: WG1659869-3 QC Sample: L2233400-01 Client ID: DUP Sample						
Nitrogen, Ammonia	9700	8300	mg/kg	16		20

Project Name: RITC**Lab Number:** L2232292**Project Number:** ST24CLOSURE SAMPLING**Report Date:** 07/14/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent
D	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2232292-01A	Vial MeOH preserved	D	NA		3.9	Y	Absent		NYTCL-8260HLW-R2(14)
L2232292-01B	Vial water preserved	D	NA		3.9	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-01C	Vial water preserved	D	NA		3.9	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-01D	Plastic 2oz unpreserved for TS	D	NA		3.9	Y	Absent		TS(7)
L2232292-01E	Metals Only-Glass 60mL/2oz unpreserved	D	NA		3.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2232292-01F	Glass 250ml/8oz unpreserved	D	NA		3.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8082(365),NH3-4500(28)
L2232292-02A	Vial MeOH preserved	D	NA		3.9	Y	Absent		NYTCL-8260HLW-R2(14)
L2232292-02B	Vial water preserved	D	NA		3.9	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-02C	Vial water preserved	D	NA		3.9	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-02D	Plastic 2oz unpreserved for TS	D	NA		3.9	Y	Absent		TS(7)
L2232292-02E	Metals Only-Glass 60mL/2oz unpreserved	D	NA		3.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),K-TI(180),CD-TI(180),NA-TI(180),CA-TI(180)
L2232292-02F	Glass 250ml/8oz unpreserved	D	NA		3.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8082(365),NH3-4500(28)
L2232292-03A	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW-R2(14)
L2232292-03B	Vial water preserved	A	NA		2.1	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)

Project Name: RITC**Lab Number:** L2232292**Project Number:** ST24CLOSURE SAMPLING**Report Date:** 07/14/22**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2232292-03C	Vial water preserved	A	NA		2.1	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-03D	Plastic 2oz unpreserved for TS	B	NA		3.6	Y	Absent		TS(7)
L2232292-03E	Plastic 2oz unpreserved for TS	C	NA		3.3	Y	Absent		TS(7)
L2232292-03F	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2232292-03G	Glass 60mL/2oz w/ septa unpreserved	C	NA		3.3	Y	Absent		TCLP-EXT-ZHE(14)
L2232292-03H	Glass 60mL/2oz w/ septa unpreserved	C	NA		3.3	Y	Absent		TCLP-EXT-ZHE(14)
L2232292-03I	Glass 250ml/8oz unpreserved	B	NA		3.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8082(365),NH3-4500(28)
L2232292-03J	Glass 250ml/8oz unpreserved	C	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8082(365),NH3-4500(28)
L2232292-03X	Amber 1000ml unpreserved Extracts	B	NA		3.6	Y	Absent		TCLP-8270(14)
L2232292-03X9	Tumble Vessel	B	NA		3.6	Y	Absent		-
L2232292-03Y	Vial unpreserved Extracts	B	NA		3.6	Y	Absent		TCLP-VOA(14)
L2232292-03Z	Vial unpreserved Extracts	B	NA		3.6	Y	Absent		TCLP-VOA(14)
L2232292-04A	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW-R2(14)
L2232292-04B	Vial water preserved	A	NA		2.1	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-04C	Vial water preserved	A	NA		2.1	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-04D	Plastic 2oz unpreserved for TS	B	NA		3.6	Y	Absent		TS(7)
L2232292-04E	Plastic 2oz unpreserved for TS	D	NA		3.9	Y	Absent		TS(7)
L2232292-04F	Metals Only-Glass 60mL/2oz unpreserved	D	NA		3.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),HG-T(28),FE-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2232292-04G	Vial Large Septa unpreserved (4oz)	B	NA		3.6	Y	Absent		TCLP-EXT-ZHE(14)
L2232292-04H	Glass 250ml/8oz unpreserved	B	NA		3.6	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8082(365),NH3-4500(28)
L2232292-04I	Glass 250ml/8oz unpreserved	D	NA		3.9	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8082(365),NH3-4500(28)
L2232292-04W	Amber 1000ml unpreserved Extracts	D	NA		3.9	Y	Absent		TCLP-8270(14)

Project Name: RITC

Lab Number: L2232292

Project Number: ST24CLOSURE SAMPLING

Report Date: 07/14/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2232292-04X9	Tumble Vessel	D	NA		3.9	Y	Absent		-
L2232292-04Y	Vial unpreserved Extracts	D	NA		3.9	Y	Absent		TCLP-VOA(14)
L2232292-04Z	Vial unpreserved Extracts	D	NA		3.9	Y	Absent		TCLP-VOA(14)
L2232292-05A	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW-R2(14)
L2232292-05B	Vial water preserved	A	NA		2.1	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-05C	Vial water preserved	A	NA		2.1	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-05D	Plastic 2oz unpreserved for TS	D	NA		3.9	Y	Absent		TS(7)
L2232292-05E	Metals Only-Glass 60mL/2oz unpreserved	D	NA		3.9	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),CU-TI(180),SE-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),K-TI(180),CD-TI(180),NA-TI(180),CA-TI(180)
L2232292-05F	Glass 250ml/8oz unpreserved	D	NA		3.9	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8082(365),NH3-4500(28)
L2232292-06A	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW-R2(14)
L2232292-06B	Vial water preserved	A	NA		2.1	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-06C	Vial water preserved	A	NA		2.1	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-06D	Plastic 2oz unpreserved for TS	D	NA		3.9	Y	Absent		TS(7)
L2232292-06E	Metals Only-Glass 60mL/2oz unpreserved	D	NA		3.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2232292-06F	Glass 250ml/8oz unpreserved	D	NA		3.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8082(365),NH3-4500(28)
L2232292-07A	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW-R2(14)
L2232292-07B	Vial water preserved	A	NA		2.1	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-07C	Vial water preserved	A	NA		2.1	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-07D	Plastic 2oz unpreserved for TS	D	NA		3.9	Y	Absent		TS(7)
L2232292-07E	Metals Only-Glass 60mL/2oz unpreserved	D	NA		3.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)

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L2232292-07F	Glass 250ml/8oz unpreserved	D	NA		3.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8082(365),NH3-4500(28)
L2232292-08A	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW-R2(14),NYTCL-8260H-R2(14)
L2232292-08B	Vial water preserved	A	NA		2.1	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14),NYTCL-8260H-R2(14)
L2232292-08C	Vial water preserved	A	NA		2.1	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14),NYTCL-8260H-R2(14)
L2232292-08D	Plastic 2oz unpreserved for TS	D	NA		3.9	Y	Absent		TS(7)
L2232292-08E	Metals Only-Glass 60mL/2oz unpreserved	D	NA		3.9	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),CU-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2232292-08F	Glass 250ml/8oz unpreserved	D	NA		3.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8082(365),NH3-4500(28)
L2232292-09A	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW-R2(14)
L2232292-09B	Vial water preserved	A	NA		2.1	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-09C	Vial water preserved	A	NA		2.1	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-09D	Plastic 2oz unpreserved for TS	C	NA		3.3	Y	Absent		TS(7)
L2232292-09E	Plastic 2oz unpreserved for TS	C	NA		3.3	Y	Absent		TS(7)
L2232292-09F	Metals Only-Glass 60mL/2oz unpreserved	C	NA		3.3	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2232292-09G	Vial Large Septa unpreserved (4oz)	C	NA		3.3	Y	Absent		TCLP-EXT-ZHE(14)
L2232292-09H	Glass 250ml/8oz unpreserved	C	NA		3.3	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8082(365),NH3-4500(28)
L2232292-09I	Glass 250ml/8oz unpreserved	C	NA		3.3	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8082(365),NH3-4500(28)
L2232292-09W	Amber 1000ml unpreserved Extracts	C	NA		3.3	Y	Absent		TCLP-8270(14)
L2232292-09X9	Tumble Vessel	C	NA		3.3	Y	Absent		-
L2232292-09Y	Vial unpreserved Extracts	C	NA		3.3	Y	Absent		TCLP-VOA(14)
L2232292-09Z	Vial unpreserved Extracts	C	NA		3.3	Y	Absent		TCLP-VOA(14)
L2232292-10A	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW-R2(14)

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L2232292-10B	Vial water preserved	A	NA		2.1	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-10C	Vial water preserved	A	NA		2.1	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-10D	Plastic 2oz unpreserved for TS	B	NA		3.6	Y	Absent		TS(7)
L2232292-10E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),SB-TI(180),SE-TI(180),ZN-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),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2232292-10F	Glass 250ml/8oz unpreserved	B	NA		3.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8082(365),NH3-4500(28)
L2232292-11A	Vial MeOH preserved	D	NA		3.9	Y	Absent		NYTCL-8260HLW-R2(14)
L2232292-11B	Vial water preserved	D	NA		3.9	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-11C	Vial water preserved	D	NA		3.9	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-11D	Plastic 2oz unpreserved for TS	B	NA		3.6	Y	Absent		TS(7)
L2232292-11E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),HG-T(28),FE-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2232292-11F	Glass 250ml/8oz unpreserved	B	NA		3.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8082(365),NH3-4500(28)
L2232292-12A	Vial MeOH preserved	D	NA		3.9	Y	Absent		NYTCL-8260HLW-R2(14)
L2232292-12B	Vial water preserved	D	NA		3.9	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-12C	Vial water preserved	D	NA		3.9	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-12D	Plastic 2oz unpreserved for TS	B	NA		3.6	Y	Absent		TS(7)
L2232292-12E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2232292-12F	Glass 250ml/8oz unpreserved	B	NA		3.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8082(365),NH3-4500(28)
L2232292-13A	Vial MeOH preserved	D	NA		3.9	Y	Absent		NYTCL-8260HLW-R2(14)
L2232292-13B	Vial water preserved	D	NA		3.9	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-13C	Vial water preserved	D	NA		3.9	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)

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L2232292-13D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L2232292-13E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2232292-13F	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8082(365),NH3-4500(28)
L2232292-14A	Vial MeOH preserved	D	NA		3.9	Y	Absent		NYTCL-8260HLW-R2(14)
L2232292-14B	Vial water preserved	D	NA		3.9	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-14C	Vial water preserved	D	NA		3.9	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-14D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L2232292-14E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2232292-14F	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8082(365),NH3-4500(28)
L2232292-15A	Vial MeOH preserved	D	NA		3.9	Y	Absent		NYTCL-8260HLW-R2(14)
L2232292-15B	Vial water preserved	D	NA		3.9	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-15C	Vial water preserved	D	NA		3.9	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-15D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L2232292-15E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2232292-15F	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8082(365),NH3-4500(28)
L2232292-16A	Vial MeOH preserved	D	NA		3.9	Y	Absent		NYTCL-8260HLW-R2(14)
L2232292-16B	Vial water preserved	D	NA		3.9	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-16C	Vial water preserved	D	NA		3.9	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-16D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)

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L2232292-16E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2232292-16F	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8082(365),NH3-4500(28)
L2232292-17A	Vial MeOH preserved	D	NA		3.9	Y	Absent		NYTCL-8260HLW-R2(14)
L2232292-17B	Vial water preserved	D	NA		3.9	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-17C	Vial water preserved	D	NA		3.9	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-17D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L2232292-17E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2232292-17F	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8082(365),NH3-4500(28)
L2232292-18A	Vial MeOH preserved	D	NA		3.9	Y	Absent		NYTCL-8260HLW-R2(14)
L2232292-18B	Vial water preserved	D	NA		3.9	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-18C	Vial water preserved	D	NA		3.9	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-18D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L2232292-18E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2232292-18F	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8082(365),NH3-4500(28)
L2232292-19A	Vial MeOH preserved	C	NA		3.3	Y	Absent		NYTCL-8260HLW-R2(14)
L2232292-19B	Vial water preserved	C	NA		3.3	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-19C	Vial water preserved	C	NA		3.3	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-19D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)

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L2232292-19E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2232292-19F	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8082(365),NH3-4500(28)
L2232292-20A	Vial MeOH preserved	B	NA		3.6	Y	Absent		NYTCL-8260HLW-R2(14)
L2232292-20B	Vial water preserved	B	NA		3.6	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-20C	Vial water preserved	B	NA		3.6	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-20D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L2232292-20E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2232292-20F	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8082(365),NH3-4500(28)
L2232292-21A	Vial MeOH preserved	B	NA		3.6	Y	Absent		NYTCL-8260HLW-R2(14)
L2232292-21B	Vial water preserved	B	NA		3.6	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-21C	Vial water preserved	B	NA		3.6	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-21D	Plastic 2oz unpreserved for TS	B	NA		3.6	Y	Absent		TS(7)
L2232292-21E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),MN-TI(180),HG-T(28),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180)
L2232292-21F	Glass 250ml/8oz unpreserved	B	NA		3.6	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8082(365),NH3-4500(28)
L2232292-22A	Vial MeOH preserved	C	NA		3.3	Y	Absent		NYTCL-8260HLW-R2(14)
L2232292-22B	Vial water preserved	C	NA		3.3	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-22C	Vial water preserved	C	NA		3.3	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-22D	Plastic 2oz unpreserved for TS	C	NA		3.3	Y	Absent		TS(7)

Project Name: RITC

Lab Number: L2232292

Project Number: ST24CLOSURE SAMPLING

Report Date: 07/14/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2232292-22E	Metals Only-Glass 60mL/2oz unpreserved	C	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),SB-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2232292-22F	Glass 250ml/8oz unpreserved	C	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8082(365),NH3-4500(28)
L2232292-23A	Vial MeOH preserved	C	NA		3.3	Y	Absent		NYTCL-8260HLW-R2(14)
L2232292-23B	Vial water preserved	C	NA		3.3	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-23C	Vial water preserved	C	NA		3.3	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-23D	Plastic 2oz unpreserved for TS	C	NA		3.3	Y	Absent		TS(7)
L2232292-23E	Metals Only-Glass 60mL/2oz unpreserved	C	NA		3.3	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),K-TI(180),CD-TI(180),NA-TI(180),CA-TI(180)
L2232292-23F	Glass 250ml/8oz unpreserved	C	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8082(365),NH3-4500(28)
L2232292-24A	Vial MeOH preserved	B	NA		3.6	Y	Absent		NYTCL-8260HLW-R2(14)
L2232292-24B	Vial water preserved	B	NA		3.6	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-24C	Vial water preserved	B	NA		3.6	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-24D	Plastic 2oz unpreserved for TS	C	NA		3.3	Y	Absent		TS(7)
L2232292-24E	Metals Only-Glass 60mL/2oz unpreserved	C	NA		3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2232292-24F	Glass 250ml/8oz unpreserved	C	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8082(365),NH3-4500(28)
L2232292-25A	Vial MeOH preserved	C	NA		3.3	Y	Absent		NYTCL-8260HLW-R2(14)
L2232292-25B	Vial water preserved	C	NA		3.3	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-25C	Vial water preserved	C	NA		3.3	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-25D	Plastic 2oz unpreserved for TS	B	NA		3.6	Y	Absent		TS(7)
L2232292-25E	Plastic 2oz unpreserved for TS	B	NA		3.6	Y	Absent		TS(7)

Project Name: RITC
Project Number: ST24CLOSURE SAMPLING

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2232292-25F	Metals Only-Glass 60mL/2oz unpreserved	C	NA		3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2232292-25G	Vial Large Septa unpreserved (4oz)	B	NA		3.6	Y	Absent		TCLP-EXT-ZHE(14)
L2232292-25H	Glass 250ml/8oz unpreserved	C	NA		3.3	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8082(365),NH3-4500(28)
L2232292-25I	Glass 250ml/8oz unpreserved	C	NA		3.3	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8082(365),NH3-4500(28)
L2232292-25W	Amber 1000ml unpreserved Extracts	C	NA		3.3	Y	Absent		TCLP-8270(14)
L2232292-25X9	Tumble Vessel	C	NA		3.3	Y	Absent		-
L2232292-25Y	Vial unpreserved Extracts	C	NA		3.3	Y	Absent		TCLP-VOA(14)
L2232292-25Z	Vial unpreserved Extracts	C	NA		3.3	Y	Absent		TCLP-VOA(14)
L2232292-26A	Vial MeOH preserved	C	NA		3.3	Y	Absent		NYTCL-8260HLW-R2(14)
L2232292-26B	Vial water preserved	C	NA		3.3	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-26C	Vial water preserved	C	NA		3.3	Y	Absent	17-JUN-22 22:18	NYTCL-8260HLW-R2(14)
L2232292-26D	Plastic 2oz unpreserved for TS	C	NA		3.3	Y	Absent		TS(7)
L2232292-26E	Metals Only-Glass 60mL/2oz unpreserved	C	NA		3.3	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),K-TI(180),CD-TI(180),NA-TI(180),CA-TI(180)
L2232292-26F	Glass 250ml/8oz unpreserved	C	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8082(365),NH3-4500(28)

*Values in parentheses indicate holding time in days



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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).

- 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.

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 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, 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


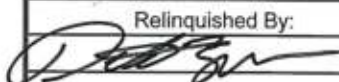


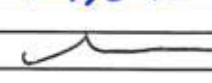
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EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.


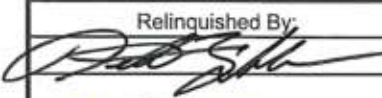
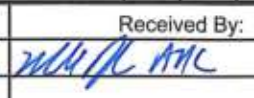
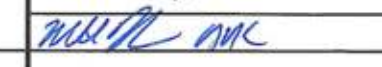

EPA 245.1 Hg.

SM2340B

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

 ALPHA <small>LABORATORY</small>	NEW YORK CHAIN OF CUSTODY	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page 1 of 3	Date Rec'd in Lab 6/17/22	ALPHA Job # L2230292										
		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												
Client Information Client: INVENTUM ENGINEERING Address: 441 CAROLINE DR SUITE G HERNDON VA, 20170 Phone: 585-734-5255 Fax: john.black@ " " Email: Roxanne.birx@inventumeng.com		Project Information Project Name: RITC Project Location: 3875 RIVER RD Project # ST24 CLOSURE SAMPLING (Use Project name as Project #) <input type="checkbox"/> Project Manager: JOHN BLACK ALPHA Quote #: _____ Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: _____ Rush (only if pre approved) <input type="checkbox"/> # of Days: _____		Deliverables <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											
Regulatory Requirement <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		Billing Information <input type="checkbox"/> Same as Client Info PO # _____		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input checked="" type="checkbox"/> NY <input type="checkbox"/> Other: _____											
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32292-01	TP-ST24-06-01-06162022	6/16/22	9:45	SO	PZ	/	/	/	/	/	/	/	/	/	
02	TP-ST24-06-01-06162022		9:45			/	/	/	/	/	/	/	/	/	
03	TP-ST24-06-02-06162022		10:15			/	/	/	/	/	/	/	/	/	
04	TP-ST24-06-02-06162022		10:15			/	/	/	/	/	/	/	/	/	
05	TP-ST24-06-03-06162022		10:30			/	/	/	/	/	/	/	/	/	
06	TP-ST24-06-03-06162022		10:30			/	/	/	/	/	/	/	/	/	
07	TP-ST24-06-04-06162022		10:45			/	/	/	/	/	/	/	/	/	
08	TP-ST24-06-04-06162022		10:45			/	/	/	/	/	/	/	/	/	
09	TP-ST24-06-05-06162022		11:00			/	/	/	/	/	/	/	/	/	
10	TP-ST24-06-05-06162022		11:00			/	/	/	/	/	/	/	/	/	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ 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: 6/16/22 1612		Received By: 		Date/Time: 6/16/22 1612		Relinquished By: 		Date/Time: 6/16/22 1612		Received By: 		Date/Time: 6/17/22 0030	

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	NEW YORK CHAIN OF CUSTODY Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page <u>2</u> of <u>3</u>	Date Rec'd in Lab <u>6/17/22</u>	ALPHA Job # <u>L2230092</u>	
			Project Information Project Name: <u>RITC</u> Project Location: <u>3875 RIVER ROAD</u> Project # <u>ST24 closure SAMPLING</u> (Use Project name as Project #) <input checked="" type="checkbox"/>		Deliverables <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	
Client Information Client: <u>INVENTUM ENGINEERING</u> Address: <u>441 GORISE LIVESITE</u> <u>Herndon VA</u> Phone: <u>(703) 553-5129</u> Fax: Email: <u>Peter.Zaffagnone@inventumeng.com</u>		Project Manager: <u>JOHN BLACK</u> ALPHAQuote #:		Regulatory Requirement <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		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input checked="" type="checkbox"/> NY <input type="checkbox"/> Other:
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Other project specific requirements/comments: <u>NYSDEC Cat B, NYSDEC EQUIS</u> Please specify Metals or TAL.		Total Bottle		60106 TAL METALS 8260 TCL VOCs 8270 TCL VOCs PCB 8082A Total Arsenic 350.1 Total Mercury 7471 Total Cyanide 9012 B		Sample Specific Comments
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date Time		Sample Matrix	Sampler's Initials	Sample Specific Comments
<u>32292-11</u>	<u>TP-ST24-06-06-06162022</u>	<u>1115</u>	<u>6/16/22</u>	<u>Soil</u>	<u>P.Z.</u>	
<u>12</u>	<u>TP-ST24-618-06-06162022</u>	<u>1115</u>	<u>6/16/22</u>	<u>Soil</u>	<u>P.Z.</u>	
<u>13</u>	<u>TP-ST24-06-07-06162022</u>	<u>1130</u>	<u>6/16/22</u>	<u>Soil</u>	<u>P.Z.</u>	
<u>14</u>	<u>TP-ST24-618-07-06162022</u>	<u>1130</u>	<u>6/16/22</u>	<u>Soil</u>	<u>P.Z.</u>	
<u>15</u>	<u>TP-ST24-06-08-06162022</u>	<u>1145</u>	<u>6/16/22</u>	<u>Soil</u>	<u>P.Z.</u>	
<u>16</u>	<u>TP-ST24-618-08-06162022</u>	<u>1145</u>	<u>6/16/22</u>	<u>Soil</u>	<u>P.Z.</u>	
<u>17</u>	<u>TP-ST24-06-09-06162022</u>	<u>1200</u>	<u>6/16/22</u>	<u>Soil</u>	<u>P.Z.</u>	
<u>18</u>	<u>TP-ST24-618-09-06162022</u>	<u>1200</u>	<u>6/16/22</u>	<u>Soil</u>	<u>P.Z.</u>	
<u>19</u>	<u>TP-ST24-06-10-06162022</u>	<u>1215</u>	<u>6/16/22</u>	<u>Soil</u>	<u>P.Z.</u>	
<u>20</u>	<u>TP-ST24-618-10-06162022</u>	<u>1215</u>	<u>6/16/22</u>	<u>Soil</u>	<u>P.Z.</u>	
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Relinquished By: <u>[Signature]</u>		Date/Time: <u>6/14/22 1612</u>		Received By: <u>[Signature]</u>		Date/Time: <u>6/17/22 0030</u>

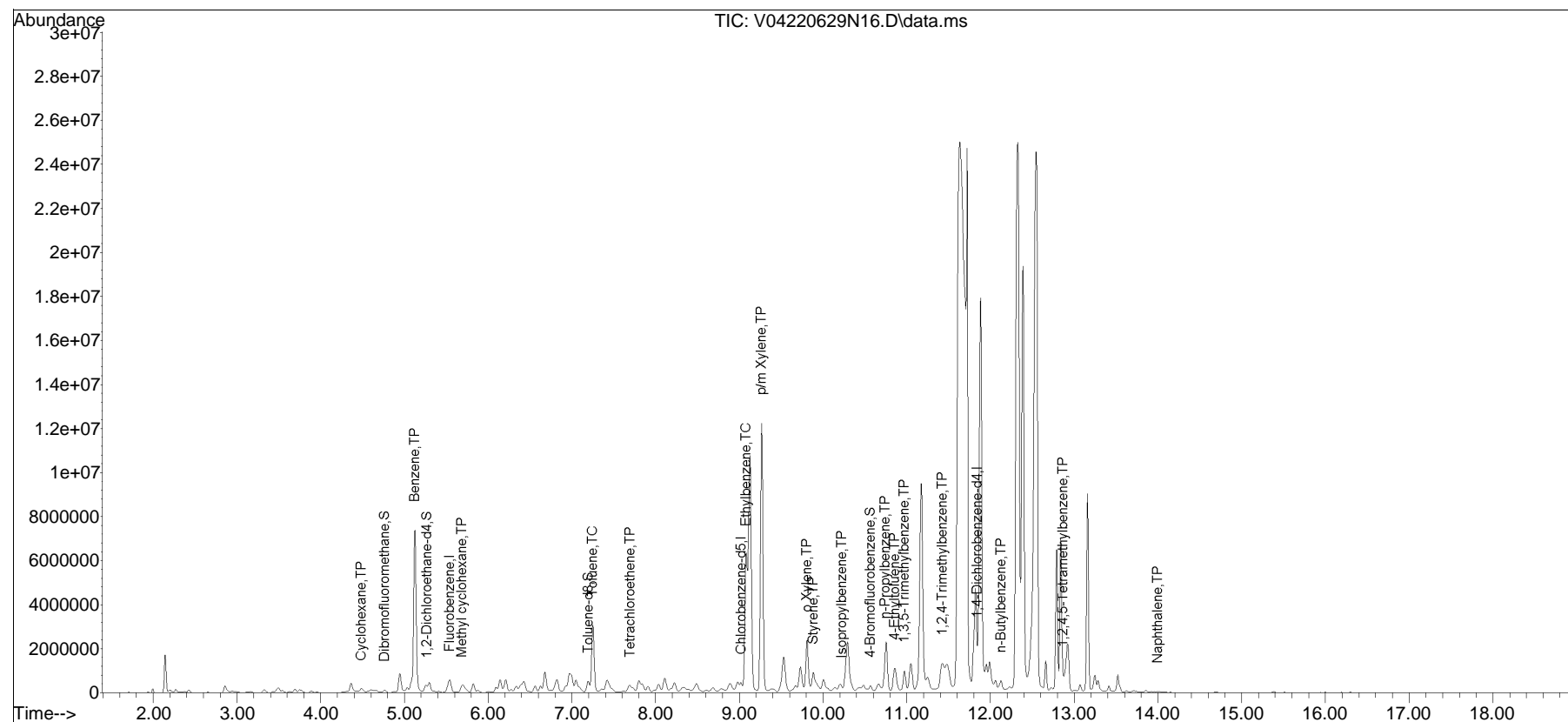
 ALPHA <small>LABORATORY</small>	NEW YORK CHAIN OF CUSTODY	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page 3	Date Rec'd in Lab 6/17/22	ALPHA Job # L2230292																																																																																																																																																																		
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Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2022\220629N\
 Data File : V04220629N16.D
 Acq On : 30 Jun 2022 2:12 am
 Operator : VOA104:JC
 Sample : L2232292-02,31H,6.58,5,0.100,,A
 Misc : WG1658902,ICAL19119
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 30 12:19:12 2022
 Quant Method : I:\VOLATILES\VOA104\2022\220629N\V104_220621A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Wed Jun 22 06:56:43 2022
 Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox9N\V04220629N01.D•

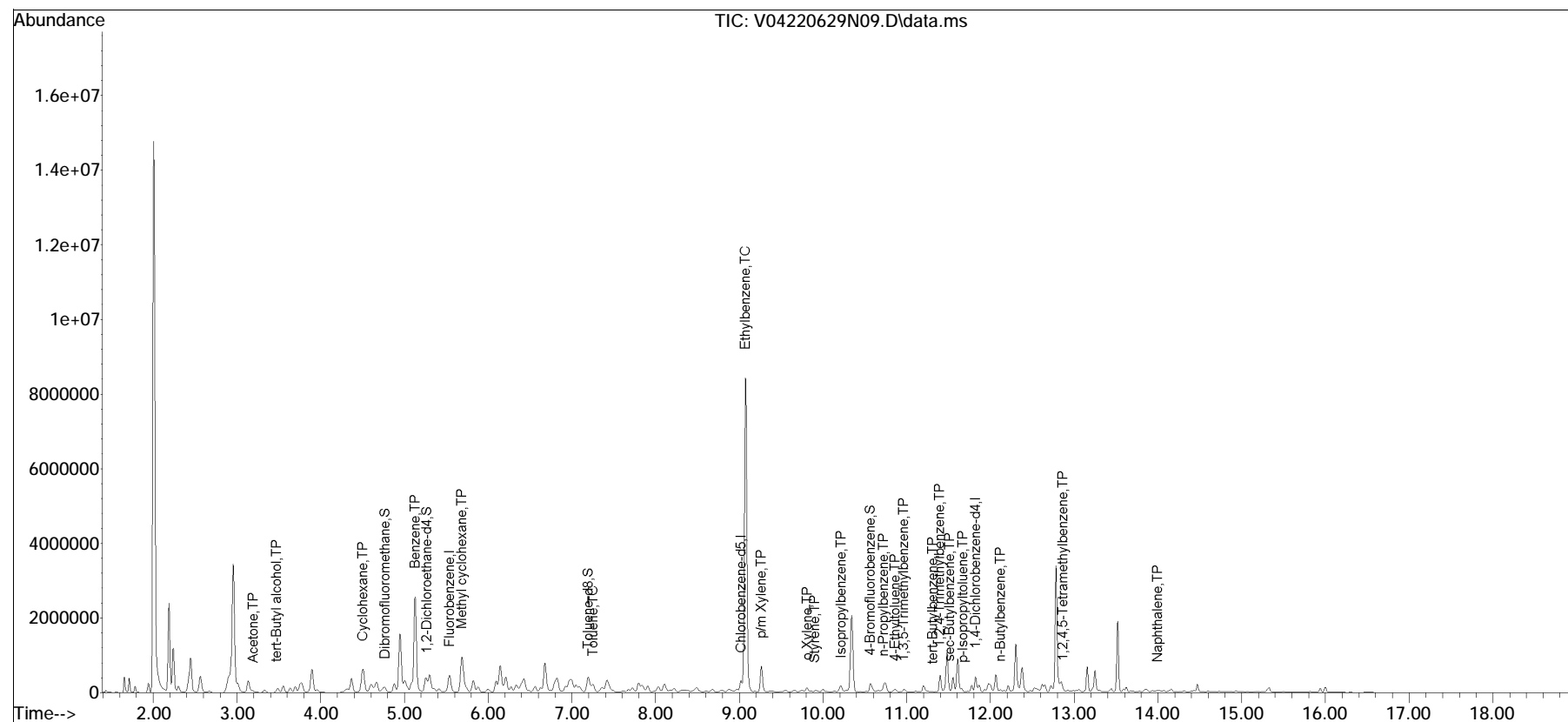


Quantitation Report (QT Reviewed)

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 Operator : VOA104:JC
 Sample : L2232292-08,31,6.84,5,,B
 Misc : WG1658901,ICAL19119
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 06 11:55:52 2022
 Quant Method : I:\VOLATILES\VOA104\2022\220629N\V104_220621A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Wed Jun 22 06:56:43 2022
 Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox9N\V04220629N01.D•



Appendix B – Vendor Quotes

RegenOx Part A and Part B



REGENESIS

Technology-Based Solutions for the Environment

PROJECT NAME

Riverview Innovation & Technology

PREPARED FOR

Inventum Engineering LLC
Roxanne Birx
roxanne.birx@inventumeng.com

PREPARED BY

REGENESIS

Glenn Nicholas Iosue, P.E., BCEE
giosue@regenesiS.com

Ian Doliana
idoliana@regenesiS.com

September 21, 2022

Project Summary

REGENESIS appreciates the opportunity to provide Inventum Engineering LLC this remedial design and cost estimate for this project. Included within is a brief summary of our proposed solution, our understanding of your project goals, the technologies proposed, and a table summarizing the design.

Proposed Solution

We are proposing treatment with RegenOx to address residual petroleum hydrocarbon impacts within the defined treatment area. These reagents will be applied via soil mixing.

RegenOx is an advanced chemical oxidation technology that destroys contaminants through powerful, yet controlled chemical reactions. This product maximizes *in-situ* performance while using a solid alkaline oxidant that employs a sodium percarbonate complex with a multi-part catalytic formula. RegenOx directly oxidizes contaminants while its unique catalytic component generates a range of highly oxidizing free radicals that rapidly and effectively destroy a range of target contaminants including both petroleum hydrocarbons and chlorinated compounds.

Project Goals

- Reduce soil PHC mass to below remediation goals.

Technologies Proposed

- [RegenOx®](#)

Click above to access product specification sheets

Technical Resources

- [RegenOx® Technical Bulletin: Compatibility with Underground Storage Structures and Pipes](#)
- [RegenOx® Excavation Application Instructions](#)

Design Summary

Treatment Area 1		
Design Parameters	Unit	Value
Treatment Area	ft sq.	1,400
Top Treat Depth (ft. bgs)		-
Bottom Treat Depth (ft. bgs)		2
Vertical Treatment Interval	ft	2
Soil Type		clay
Porosity	cm3/cm3	0.45
Effective Porosity	cm3/cm3	0.10
Product Dosage		
RegenOx Part A	lbs	2,640
RegenOx Part B	lbs	880
Water Required	gallons	6,011
Total Volume Applied	gallons	6,234

Treatment Area 2		
Design Parameters	Unit	Value
Treatment Area	ft sq.	640
Top Treat Depth (ft. bgs)		-
Bottom Treat Depth (ft. bgs)		5
Vertical Treatment Interval	ft	5
Soil Type		clay
Porosity	cm3/cm3	0.45
Effective Porosity	cm3/cm3	0.10
Product Dosage		
RegenOx Part A	lbs	3,320
RegenOx Part B	lbs	1,120
Water Required	gallons	7,559
Total Volume Applied	gallons	7,841



Riverview Innovation & Technolog **Figure 1-Injection Location Map**

Inventum Engineering LLC

September 21, 2022

Pricing

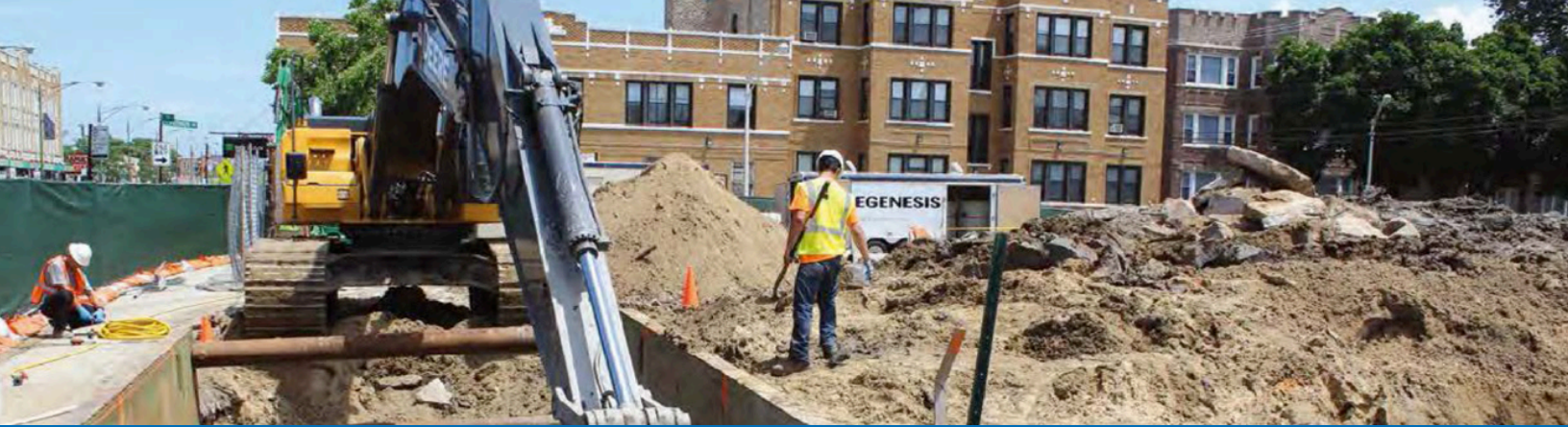
Below is the cost estimate to provide the remediation technologies and execute the design provided in this proposal. Please also see the assumptions and qualifications section.

Description	Price	Qty	Subtotal
RegenOx® Part A Bags (40 lb)	\$3.95	5960	\$23,542
RegenOx® Part B Pails (40 lb)	\$3.95	2000	\$7,900
Subtotal			\$31,442
Estimated Shipping and Tax (15%)			+\$4,716.30
Total			\$36,158.30

COST ESTIMATE DISCLAIMER: The cost listed assumes conditions set forth within the proposed scope of work and assumptions and qualifications. Changes to either could impact the final cost of the project. This may include final shipping arrangements, sales tax, or application-related tasks such as product storage and handling, access to water, etc. If items listed need to be modified, please contact Regenesis for further evaluation.

REGENESIS developed this Scope of Work in reliance upon the data and professional judgments provided by those who completed the earlier environmental site assessment(s), and in reliance upon REGENESIS' prior experience on similar project sites. The fees and charges associated with the Scope of Work were generated through REGENESIS' proprietary formulas and thus may not conform to billing guidelines, constraints, or other limits on fees. REGENESIS does not seek reimbursement directly from any government agency or any governmental reimbursement fund (the "Government"). In any circumstance where REGENESIS may serve as a supplier or subcontractor to an entity that seeks reimbursement from the Government for all or part of the services performed or products provided by REGENESIS, it is the sole responsibility of the entity seeking reimbursement to ensure the Scope of Work and associated charges are in compliance with and acceptable to the Government prior to submission. When serving as a supplier or subcontractor to an entity that seeks reimbursement from Government, REGENESIS does not knowingly present or cause to be presented any claim for payment to the government.

PROFESSIONAL JUDGEMENT: In generating this estimate, REGENESIS relied upon professional judgment and site-specific information provided by others. Using this information as input, we performed calculations based upon the known chemical and geologic relationships to generate an estimate of the mass of product and subsurface placement required to effect the remediation of the site.



Acknowledgement

This scope and associated costs are budgetary and should not be considered final. Listed below are the next steps to secure a final design and cost estimate from REGENESIS.

Steps to Final Design and Scope of Work

1. Signature notifying REGENESIS to proceed with final design.
2. REGENESIS technical team contacts Inventum Engineering LLC to review final scope of work and provide detailed design and cost estimate
3. Provide Detailed Remediation Services Scope of Work, if applicable.
4. Confirm Implementation Schedule
5. Submit Detailed Design and Cost Estimate to Inventum Engineering LLC for review and final approval

Signature below confirms signee accepts this preliminary scope of work and would like REGENESIS to proceed with a detailed design and cost estimate.

 SIGNATURE
Roxanne Birx

Not yet accepted

Inventum Engineering LLC | Roxanne Birx, Staff Engineer

Terms & Conditions

1. **PAYMENT TERMS.** Net 30 Days. Accounts outstanding after 30 days will be assessed 1.5% monthly interest. Volume discount pricing will be rescinded on all accounts outstanding over 90 days. An early payment discount of 1.5% Net 10 is available for cash or check payments only. We accept Master Card, Visa and American Express.
2. **RETURN POLICY.** A 15% re-stocking fee will be charged for all returned goods. All requests to return product must be pre-approved by seller. Returned product must be in original condition and no product will be accepted for return after a period of 90 days.
3. **FORCE MAJEURE.** Seller shall not be liable for delays in delivery or services or failure to manufacture or deliver due to causes beyond its reasonable control, including but not limited to acts of God, acts of buyer, acts of military or civil authorities, fires, strikes, flood, epidemic, war, riot, delays in transportation or car shortages, or inability to obtain necessary labor, materials, components or services through seller's usual and regular sources at usual and regular prices. In any such event Seller may, without notice to buyer, at any time and from time to time, postpone the delivery or service dates under this contract or make partial delivery or performance or cancel all or any portion of this and any other contract with buyer without further liability to buyer. Cancellation of any part of this order shall not affect Seller's right to payment for any product delivered or service performed hereunder.
4. **LIMITED WARRANTY.** Seller warrants the product(s) sold and services provided as specified on face of invoice, solely to buyer. Seller makes no other warranty of any kind respecting the product and services, and expressly DISCLAIMS ALL OTHER WARRANTIES OF WHATEVER KIND RESPECTING THE PRODUCT AND SERVICES, INCLUDING ALL WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND NON-INFRINGEMENT.
5. **DISCLAIMER.** Where warranties to a person other than buyer may not be disclaimed under law, seller extends to such a person the same warranty seller makes to buyer as set forth herein, subject to all disclaimers, exclusions and limitations of warranties, all limitations of liability and all other provisions set forth in the Terms and Conditions herein. Buyer agrees to transmit a copy of the Terms and Conditions set forth herein to any and all persons to whom buyer sells, or otherwise furnishes the products and/or services provided by seller and buyer agrees to indemnify seller for any liability, loss, costs and attorneys' fees which seller may incur by reason, in whole or in part, of failure by buyer to transmit the Terms and Conditions as provided herein.
6. **LIMITATION OF SELLER'S LIABILITY AND LIMITATION OF BUYER'S REMEDY.** Seller's liability on any claim of any kind, including negligence, for any loss or damage arising out of, connected with, or resulting from the manufacture, sale, delivery, resale, repair or use of any goods or performance of any services covered by or furnished hereunder, shall in no case exceed the lesser of (1) the cost of repairing or replacing goods and repeating the services failing to conform to the foregoing warranty or the price of the goods and/or services or part thereof which gives rise to the claim. IN NO EVENT SHALL SELLER BE LIABLE FOR SPECIAL INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING LOST PROFITS, OR FOR DAMAGES IN THE NATURE OF PENALTIES.
7. **INDEMNIFICATION.** Buyer agrees to defend and indemnify seller of and from any and all claims or liabilities asserted against seller in connection with the manufacture, sale, delivery, resale or repair or use of any goods, and performance of any services, covered by or furnished hereunder arising in whole or in part out of or by reason of the failure of buyer, its agents, servants, employees or customers to follow instructions, warnings or recommendations furnished by seller in connection with such goods and services, by reason of the failure of buyer, its agents, servants, employees or customers to comply with all federal, state and local laws applicable to such goods and services, or the use thereof, including the Occupational Safety and Health Act of 1970, or by reason of the negligence or misconduct of buyer, its agents, servants, employees or customers.

8. **EXPENSES OF ENFORCEMENT.** In the event seller undertakes any action to collect amounts due from buyer, or otherwise enforce its rights hereunder, Buyer agrees to pay and reimburse Seller for all such expenses, including, without limitation, all attorneys and collection fees.
9. **TAXES.** Liability for all taxes and import or export duties, imposed by any city, state, federal or other governmental authority, shall be assumed and paid by buyer. Buyer further agrees to defend and indemnify seller against any and all liabilities for such taxes or duties and legal fees or costs incurred by seller in connection therewith.
10. **ASSISTANCE AND ADVICE.** Upon request, seller in its discretion will furnish as an accommodation to buyer such technical advice or assistance as is available in reference to the goods and services. Seller assumes no obligation or liability for the advice or assistance given or results obtained, all such advice or assistance being given and accepted at buyer's risk.
11. **SITE SAFETY.** Buyer shall provide a safe working environment at the site of services and shall comply with all applicable provisions of federal, state, provincial and municipal safety laws, building codes, and safety regulations to prevent accidents or injuries to persons on, about or adjacent to the site.
12. **INDEPENDENT CONTRACTOR.** Seller and Buyer are independent contractors and nothing shall be construed to place them in the relationship of partners, principal and agent, employer/employee or joint ventures. Neither party will have the power or right to bind or obligate the other party except as may be expressly agreed and delegated by other party, nor will it hold itself out as having such authority.
13. **REIMBURSEMENT.** Seller shall provide the products and services in reliance upon the data and professional judgments provided by or on behalf of buyer. The fees and charges associated with the products and services thus may not conform to billing guidelines, constraints or other limits on fees. Seller does not seek reimbursement directly from any government agency or any governmental reimbursement fund (the "Government"). In any circumstance where seller may serve as a supplier or subcontractor to an entity that seeks reimbursement from the Government for all or part of the services performed or products provided by seller, it is the sole responsibility of the buyer or other entity seeking reimbursement to ensure the products and services and associated charges are in compliance with and acceptable to the Government prior to submission. When serving as a supplier or subcontractor to an entity that seeks reimbursement from the Government, seller does not knowingly present or cause to be presented any claim for payment to the Government.
14. **APPLICABLE LAW/JURISDICTION AND VENUE.** The rights and duties of the parties shall be governed by, construed, and enforced in accordance with the laws of the State of California (excluding its conflict of laws rules which would refer to and apply the substantive laws of another jurisdiction). Any suit or proceeding hereunder shall be brought exclusively in state or federal courts located in Orange County, California. Each party consents to the personal jurisdiction of said state and federal courts and waives any objection that such courts are an inconvenient forum.
15. **ENTIRE AGREEMENT.** This agreement constitutes the entire contract between buyer and seller relating to the goods or services identified herein. No modifications hereof shall be binding upon the seller unless in writing and signed by seller's duly authorized representative, and no modification shall be effected by seller's acknowledgment or acceptance of buyer's purchase order forms containing different provisions. Trade usage shall neither be applicable nor relevant to this agreement, nor be used in any manner whatsoever to explain, qualify or supplement any of the provisions hereof. No waiver by either party of default shall be deemed a waiver of any subsequent default.

Detailed Design Table

Project Information			RegenOx® Application Design Summary		
Riverview Innovation and Technology Campus (RITC) Tonawanda, NY 14150 Treatment Area 1 Prepared For: John Black, P.E. Inventum Engineering, P.C.					
Target Treatment Zone (TTZ) Info	Unit	Value	Treatment Area 1	Field App. Instructions	
			Application Method	Soil Mixing	
Treatment Area	ft ²	1,400			
Top Treat Depth	ft	0.0	Number of Applications	1	
Bot Treat Depth	ft	2.0	Areal Extent (square ft)	1,400	
Vertical Treatment Interval	ft	2.0	Top Application Depth (ft bgs)	0	
Treatment Zone Volume	ft ³	2,800	Bottom Application Depth (ft bgs)	2	
Treatment Zone Volume	cy	104	Total RegenOx to be Applied (lbs)	3,520	
Soil Type	---	clay	RegenOx Part A (lbs)	2,640	
Porosity	cm ³ /cm ³	0.45	RegenOx Part B (lbs)	880	
Effective Porosity	cm ³ /cm ³	0.10			
Treatment Zone Pore Volume	gals	9,425			
Treatment Zone Effective Pore Volume	gals	2,095			
Fraction Organic Carbon (foc)	g/g	0.010			
Soil Density	g/cm ³	1.5			
Soil Density	lb/ft ³	94			
Soil Weight	lbs	2.6E+05			
Application Dosing			Technical Notes/Discussion		
RegenOx to be Applied	lbs	3,520	Prepared By: Ian Dollana - Design Specialist Date: 9/21/2022		
RegenOx Part A to be Applied	lbs	2,640			
RegenOx Part B to be Applied	lbs	880			

Detailed Design Table (continued)

Project Information			RegenOx® Application Design Summary		
Riverview Innovation and Technology Campus (RITC) Tonawanda, NY 14150 Treatment Area 2 Prepared For: John Black, P.E. Inventum Engineering, P.C.					
Target Treatment Zone (TTZ) Info			Treatment Area 2		Field App. Instructions
	Unit	Value	Application Method	Soil Mixing	
Treatment Area	ft ²	640	Number of Applications	1	
Top Treat Depth	ft	0.0	Areal Extent (square ft)	640	
Bot Treat Depth	ft	5.0	Top Application Depth (ft bgs)	0	
Vertical Treatment Interval	ft	5.0	Bottom Application Depth (ft bgs)	5	
Treatment Zone Volume	ft ³	3,200	Total RegenOx to be Applied (lbs)	4,440	
Treatment Zone Volume	cy	119	RegenOx Part A (lbs)	3,320	
Soil Type	---	clay	RegenOx Part B (lbs)	1,120	
Porosity	cm ³ /cm ³	0.45			
Effective Porosity	cm ³ /cm ³	0.10			
Treatment Zone Pore Volume	gals	10,772			
Treatment Zone Effective Pore Volume	gals	2,394			
Fraction Organic Carbon (foc)	g/g	0.010			
Soil Density	g/cm ³	1.5			
Soil Density	lb/ft ³	94			
Soil Weight	lbs	3.0E+05			
Application Dosing			Technical Notes/Discussion		
RegenOx to be Applied	lbs	4,440	Prepared By: Ian Dollana - Design Specialist Date: 9/21/2022		
RegenOx Part A to be Applied	lbs	3,320			
RegenOx Part B to be Applied	lbs	1,120			

Klozure KP (Treatment Area 1)

PROPOSAL ATTACHMENTS

PRODUCT OVERVIEW

Our products are an environmentally friendly alternative to chlorine dioxide for an extensive period of time. They are also ideal for use in the food and pharmaceutical industries. Our products are also ideal for use in the food and pharmaceutical industries. Our products are also ideal for use in the food and pharmaceutical industries.

For more information on a specific product, please contact EconiQ representatives or your distributor.

SITE INFORMATION

<u>Application Type</u>	<u>Value</u>	<u>Source Zone Treatment</u>	<u>Note</u>
Chlorine Dioxide	100	100	Chlorine Dioxide
Chlorine Dioxide	100	100	Chlorine Dioxide
Area of Treatment	1000	1000	Chlorine Dioxide
Total Chlorine Interfer	0	1000	
Boiler Chlorine Interfer	0	1000	
Treatment Zone Temperature	0	100	Chlorine Dioxide
Treatment Zone	1000	100	Chlorine Dioxide
Chlorine	100	0	Chlorine Dioxide
Effective Chlorine	100	0	Chlorine Dioxide
Growth Rate	1000	USG	Chlorine Dioxide
Ambient Temperature	100	°C	Chlorine Dioxide
Linear Growth Rate	0	1000/year	Chlorine Dioxide
Growth Rate	0	1000/year	Chlorine Dioxide
Soluble Chlorine	100	1000 Chlorine NaOH	Chlorine Dioxide
Soluble Chlorine (Active Chlorine)	0	1000 Chlorine NaOH	Chlorine Dioxide
Growth Rate (Active Chlorine)	100	1000 Chlorine Growth Rate	Chlorine Dioxide

Disclaimer:

The information provided is for informational purposes only and does not constitute an offer or a recommendation. The information is provided for informational purposes only and does not constitute an offer or a recommendation. The information is provided for informational purposes only and does not constitute an offer or a recommendation.

CONTAMINANTS OF CONCERN* (COCs)

Concentrations:

The following are the average concentrations in groundwater in the far field area. The following are the average concentrations in groundwater in the far field area. The following are the average concentrations in groundwater in the far field area.

<u>Contaminant</u>	<u>GW</u> <u>(mg/L)</u>	<u>Soil</u> <u>(mg/kg)</u>	<u>NAPL</u> <u>(lb)</u>	<u>Total COC Mass**</u> <u>(lb)</u>
BTE				

Remedial Goals and Target Mass Reductions:

The following are the remedial goals for the far field area. The following are the remedial goals for the far field area. The following are the remedial goals for the far field area.

<u>Contaminant</u>	<u>GW</u> <u>(mg/L)</u>	<u>Soil</u> <u>(mg/kg)</u>	<u>NAPL</u> <u>(mg/L)</u>	<u>Total COC Mass</u> <u>(lb)</u>
BTE				

Unacceptable concentrations were reported in the far field area. The following are the remedial goals for the far field area. The following are the remedial goals for the far field area. The following are the remedial goals for the far field area.

<u>Contaminant</u>	<u>GW</u> <u>(mg/L)</u>	<u>Contaminant</u> <u>Flux</u> <u>(lbs/yr)</u>	<u>Total COC Mass*</u> <u>(lbs)</u>
BTE			

The following are the remedial goals for the far field area. The following are the remedial goals for the far field area. The following are the remedial goals for the far field area.

GEOCHEMICAL DATA

<u>Influent Oxidant Demand</u> The influent oxidant demand is	<u>GW (mg/L)</u> NA	<u>GW (kg/yr)</u> NA	<u>Total (kgs)</u> NA	Order code
OR	NA	mV		
	NA			

KLOZUR® PERSULFATE DEMAND

The effluent is a good oxidant for a variety of applications and is non-hazardous and available in the form of a liquid solution in the effluent. The effluent is a good oxidant for a variety of applications and is non-hazardous and available in the form of a liquid solution in the effluent.

The demand from COCs was estimated using:	Degradation Ratio	The degradation ratio is the ratio of the degradation rate to the influent concentration.
		Total Klozur KP 8,816 lb
		Total Klozur SP 0 lb

KLOZUR® PERSULFATE PACKAGING OPTIONS AND PRICING

The product can be delivered to your site in a variety of packaging options for your convenience. Pricing is based on the quantity ordered and applicable taxes.

Klozur® KP

Packaging Type	Packages / pallet	Number of Pallets	Number of Packages
200 lb bag	25	1	25
Available Packaging Types	Unit Rate (\$USD / lb)	Quantity (lbs)	Cost in USD (FOB Origin)
200 lb bag			

Klozur® SP

Packaging Type	Packages / pallet	Number of Pallets	Number of Packages
200 lb bag	25	1	25
Available Packaging Types	Unit Rate (\$USD / lb)	Quantity (lbs)	Cost in USD (FOB Origin)
200 lb bag			

powder activation chemistries are used to convert powder into the desired reactive surface condition. The choice of activator and the concentration of the activator in the slurry are dependent on the particle size and the desired condition. The activator and the amount of the activator are dependent on the reaction conditions for the desired condition. The choice of activator and the concentration of the activator are dependent on the reaction conditions for the desired condition.

Note: one of the activator is used.

*Evonik Industries, AG is the owner or licensee under various patent applications relating to the use of activation chemistries

Hydrated Lime [Ca(OH)₂]

Hydrated lime can be used to create a suitable condition for powder. The concentration of the hydrate in the slurry is dependent on the particle size and the desired condition.

Amount of Activator powder: lb

PermeOx® Ultra

PermeOx® Ultra is an engineered oxide release catalyst. PermeOx® Ultra can be used to create a suitable condition for powder.

Amount of PermeOx® Ultra Activator powder: lb

Sodium Hydroxide (NaOH)

Sodium hydroxide (NaOH) is a strong base. It can be used to create a suitable condition for powder. The concentration of the sodium hydroxide solution is dependent on the particle size and the desired condition. The choice of sodium hydroxide solution is dependent on the reaction conditions for the desired condition.

Amount of NaOH Solution to Activator powder: lb
 NaOH Solution concentration: % w/w

Zero Valent Iron

Zero valent iron can be used to create a suitable condition for powder. The concentration of the zero valent iron is dependent on the particle size and the desired condition. The choice of zero valent iron is dependent on the reaction conditions for the desired condition.

Amount of Zero Valent Iron to Activator powder: lb

INSTALLATION USING SOIL MIXING

Soil mixing is a recommended method for the remediation of contaminated areas. It involves the mixing of soil with a binder material to form a stable, solidified matrix. This process can be used to stabilize and solidify hazardous waste, including heavy metals, organic solvents, and petroleum products. The resulting soil mixture is more resistant to leaching and migration, reducing the risk of environmental contamination. Soil mixing is often used in conjunction with other remediation techniques, such as groundwater extraction and treatment, to provide a comprehensive solution to site contamination. The process is highly effective in treating a wide range of contaminants and is suitable for both surface and subsurface applications. The resulting soil mixture can be used for various purposes, including land reclamation and construction. The process is also highly flexible and can be adapted to suit the specific requirements of each site. The resulting soil mixture is a long-lasting and effective solution to site contamination, providing a high level of protection for the environment and public health.

	Dry Weight		Wet Weight			
Soil Binder Content	10%	10%	Soil Binder Content	10%		
Soil Moisture	10%	10%	Soil Moisture	10%		
	Klozur KP Loading		Klozur SP Loading		Hydrated Lime Loading	
	g/Kg	% w/w	g/Kg	% w/w	g/Kg	% w/w
Soil	23.3	2.3	0.0	0.0	7.9	0.8
Soil	18.7	1.9	0.0	0.0	6.3	0.6

Parameters should be considered approximations and suggestions. Site design engineers and contractors are ultimately responsible for the field application and design.

Klozure KP (Treatment Area 2)

CONTAMINANTS OF CONCERN* (COCs)

Concentrations:

The following are the average concentrations in groundwater in the far field area. The following are the average concentrations in groundwater in the far field area. The following are the average concentrations in groundwater in the far field area.

<u>Contaminant</u>	<u>GW</u> <u>(mg/L)</u>	<u>Soil</u> <u>(mg/kg)</u>	<u>NAPL</u> <u>(lb)</u>	<u>Total COC Mass**</u> <u>(lb)</u>
BTE				

Remedial Goals and Target Mass Reductions:

The following are the remedial goals for the far field area. The following are the remedial goals for the far field area. The following are the remedial goals for the far field area.

<u>Contaminant</u>	<u>GW</u> <u>(mg/L)</u>	<u>Soil</u> <u>(mg/kg)</u>	<u>NAPL</u> <u>(mg/L)</u>	<u>Total COC Mass</u> <u>(lb)</u>
BTE				

Unacceptable concentrations were reported in the far field area. The following are the remedial goals for the far field area. The following are the remedial goals for the far field area. The following are the remedial goals for the far field area.

<u>Contaminant</u>	<u>GW</u> <u>(mg/L)</u>	<u>Contaminant</u> <u>Flux</u> <u>(lbs/yr)</u>	<u>Total COC Mass*</u> <u>(lbs)</u>
BTE			

The following are the remedial goals for the far field area. The following are the remedial goals for the far field area. The following are the remedial goals for the far field area.

GEOCHEMICAL DATA

<u>Influent Oxidant Demand</u> The influent oxidant demand is	<u>GW (mg/L)</u> NA	<u>GW (kg/yr)</u> NA	<u>Total (kgs)</u> NA	Order code
RO	NA	mV		
	NA			

KLOZUR® PERSULFATE DEMAND

The estimated persulfate demand is based on the influent oxidant demand and the non-ferrous metal content in the influent. The influent oxidant demand is based on the influent oxidant demand and the influent oxidant demand. The influent oxidant demand is based on the influent oxidant demand and the influent oxidant demand.

The demand from COCs was estimated using:	Degradation Ratio	The degradation ratio is based on the influent oxidant demand and the influent oxidant demand.
		Total Klozur KP 11,020 lb
		Total Klozur SP 0 lb

KLOZUR® PERSULFATE PACKAGING OPTIONS AND PRICING

The price is based on the influent oxidant demand and the influent oxidant demand. The price is based on the influent oxidant demand and the influent oxidant demand.

Klozur® KP

Packaging Type	Packages / pallet	Number of Pallets	Number of Packages
25 kg bag	40	1	40
Available Packaging Types	Unit Rate (\$USD / lb)	Quantity (lbs)	Cost in USD (FOB Origin)
25 kg bag	0.15	11,020	1,653

Klozur® SP

Packaging Type	Packages / pallet	Number of Pallets	Number of Packages
25 kg bag	40	0	0
Available Packaging Types	Unit Rate (\$USD / lb)	Quantity (lbs)	Cost in USD (FOB Origin)
25 kg bag	0.15	0	0

powder activation chemistries are used to convert powder into the desired reactive surface condition. The choice of activator and the concentration of the activator in the slurry are dependent on the particle size and the desired condition. The activator and the amount of activator are dependent on the reaction conditions for the desired condition. The choice of activator and the concentration of the activator are dependent on the reaction conditions for the desired condition.

Note: one of the activators is used.

*Evonik Industries, AG is the owner or licensee under various patent applications relating to the use of activation chemistries

Hydrated Lime [Ca(OH)₂]

Hydrated lime can be used to create a suitable condition for a powder. The concentration of the hydrate in the slurry is dependent on the particle size and the desired condition.

Amount of Activator to use lb

PermeOx® Ultra

PermeOx® Ultra is an engineered, extended release calcium peroxide material used to create a suitable powder.

Amount of PermeOx® Ultra to Activate lb

Sodium Hydroxide (NaOH)

Sodium hydroxide (NaOH) is a strong base used to create a suitable surface for a powder. The concentration of the sodium hydroxide solution is dependent on the particle size and the desired condition. The concentration of the sodium hydroxide solution is dependent on the particle size and the desired condition.

Amount of NaOH Solution to Activate lb
 NaOH Solution Concentration % w/w

Zero Valent Iron

Zero valent iron can be used to create a suitable powder. The concentration of the zero valent iron is dependent on the particle size and the desired condition. The concentration of the zero valent iron is dependent on the particle size and the desired condition.

Amount of Zero Valent Iron to Activate lb

INSTALLATION USING SOIL MIXING

Soil mixing is a recommended method for the remediation of contaminated areas. It involves the mixing of soil with a binder material to form a stable, solid matrix. This process can be used to stabilize various types of contaminants, including heavy metals, organic compounds, and nutrients. The resulting soil mixture is more resistant to leaching and erosion, and it can be used for various purposes, such as land reclamation, construction, and agriculture. The process is typically performed using specialized equipment, such as soil mixing rigs, which are installed in the ground and used to mix the soil with the binder material. The resulting soil mixture is then left to cure, which allows the binder to bind the soil particles together and form a stable matrix. The curing process can take several weeks to several months, depending on the type of binder material used and the environmental conditions. Once the soil mixture has cured, it can be used for various purposes, such as land reclamation, construction, and agriculture. The resulting soil mixture is more resistant to leaching and erosion, and it can be used for various purposes, such as land reclamation, construction, and agriculture.

	Dry Weight		Wet Weight			
Soil Binder Content	100	100	Soil Binder Content	100		
Soil Moisture	100	100	Soil Moisture	100		
	Klozur KP Loading		Klozur SP Loading		Hydrated Lime Loading	
	g/Kg	% w/w	g/Kg	% w/w	g/Kg	% w/w
Soil	25.5	2.6	0.0	0.0	8.6	0.9
Soil	20.4	2.0	0.0	0.0	6.8	0.7

Parameters should be considered approximations and suggestions. Site design engineers and contractors are ultimately responsible for the field application and design.