



May 1, 2024

To: Benjamin McPherson, Angela Martin

From: John Black, Inventum Engineering

CC: Jon Williams (Riverview); John Yensan (OSC); Daniel Flanagan (OSC)

RE: North Storm Sewer and Box Culvert By-pass Work Plan
Riverview Innovation & Technology Campus, Inc.
Brownfield Cleanup Program Site No. C915353
Town of Tonawanda, New York

Background and Objective

The primary sources of water to the settling ponds and Outfall #001 come from the North Storm Sewer and the Box Culvert. On behalf of Riverview Innovation & Technology Campus (RITC), Inventum Engineering has collected samples along the utilities and has consistently detected cyanide, mercury, and ammonia above the Storm Water Pollution Prevention Plan (SWPPP) action levels (Figure 1). Although the action levels do not apply at these locations, the fact that these constituents are detected in the North Storm Sewer and Box Culvert suggests there may be groundwater infiltration along the length of the conduits.

Rather than potentially provide a conduit to the settling ponds, RITC would like to remove sections of the North Sewer and Box Culvert (Figure 2) to (1) reduce the collection and discharge of groundwater to the Mansion Sump and Settling Ponds, (2) provide an alternate surface water system to maintain surface water management on the BCP Site and (3) allow the groundwater in the vicinity of the former surface water conduits to flow to the Groundwater Interim Remedial Measures (IRM) collection systems. The actions proposed in this work plan are intended to reduce the loading of ammonia, cyanide and mercury to the settling ponds and Outfall #001.

Scope of Work

As described above, the intent is to eliminate the direct pathway between shallow groundwater north and south of the former production area to the Mansion Sump, Settling Ponds and Outfall #001 and redirect that water to the groundwater collection systems, the groundwater treatment plant and the sewer system, ultimately the Publicly Owned Treatment Works (POTW) by eliminating the seepage into the North Storm Sewer and the Box Culvert. The actions proposed to achieve the objectives include:

- Excavation and crushing of the concrete box culvert from the east end of the battery to the east end of the fusion bonded pipe encased in flowable fill. The box culvert concrete will be crushed and stockpiled for later use.
- Removal of all laterals that previously discharged to the box culvert.
- Installation of a rock check dam east (Figure 3) of the fusion bonded pipe.

- Backfill the culvert cavity with fill from the adjacent areas.
- Creation of a swale which will convey surface water to the check dam and pipe.
- The invert of the swale shall be no more than two feet below the surrounding ground surface to ensure it does not collect groundwater.
- Excavation and removal of the North Storm Sewer to the catch basin west of the former green warehouse location. The end of the remaining storm sewer will be protected with a screen and check dam.
- Construction of a check dam east of the remaining section of the North Sewer.
- Grading adjacent fill to create a swale above the elevation of the shallow groundwater. Using fill from the vicinity ensures the surface water is collecting over materials of similar characteristics.
- The invert of the swale shall be no more than two feet below the surrounding ground surface to ensure it does not collect groundwater.

Stormwater Management

Prior to any pipe or culvert excavation, the east end of the pipe and culvert to remain will be exposed and protected with a check dam, a combination of tested clean cobble size concrete and a metal screen (Figure 3). The check dams shall be inspected throughout the excavation program to ensure they are restricting sediment and not being overtopped by excess flow.

Excavation and Removal

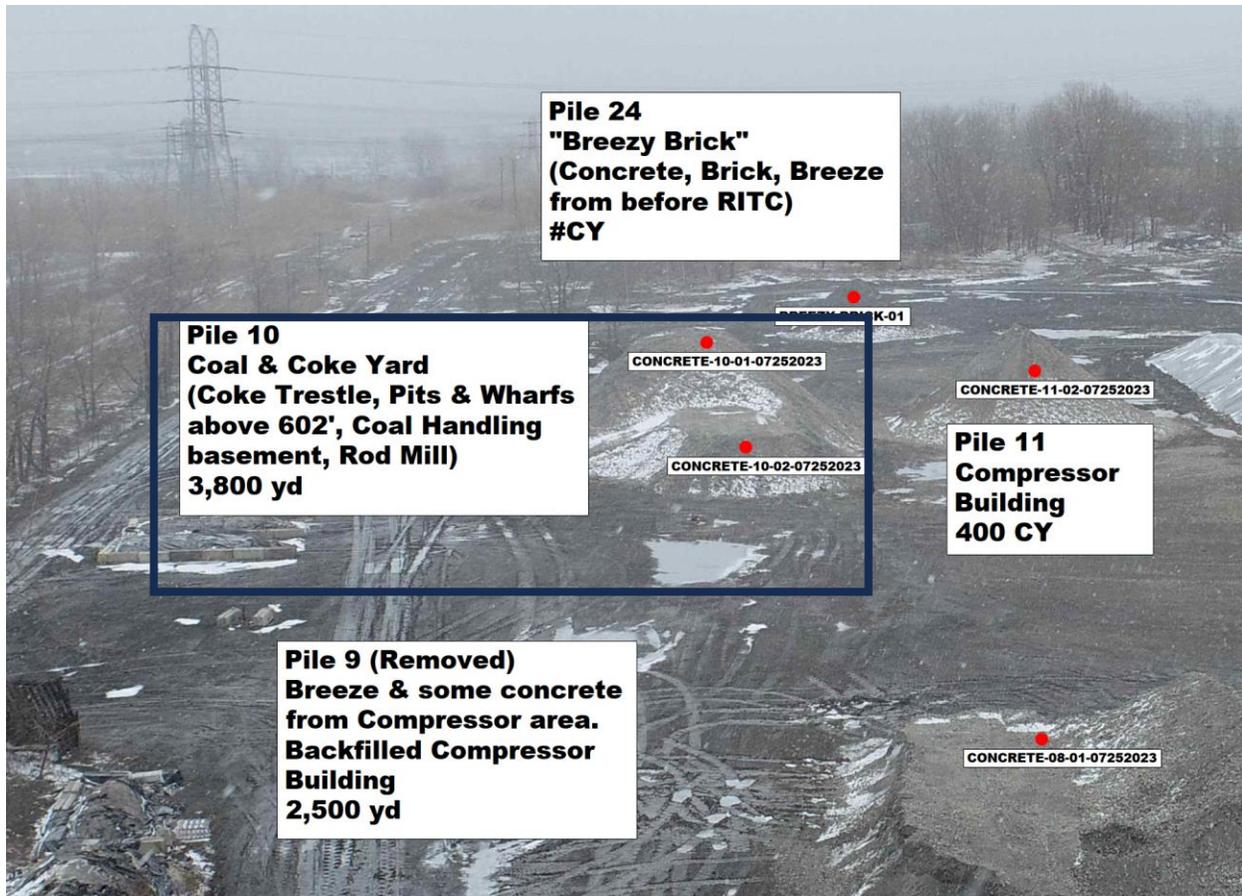
The excavation and removal of the North Storm Sewer and Box Culvert accomplishes two primary objectives of the work plan; removes the direct conduit between process area groundwater and the Mansion Sump and allows observation and removal of laterals and grossly impacted materials along the flow path. The robotic inspection and jetting of the north sewer showed that there were residuals that could not be removed remotely. Recent excavations along the North Sewer encountered areas of pipe that were compromised and had holes and faults that were too small to be observed by the camera, but large enough to allow groundwater infiltration. The cleaning of the Box Culvert showed there were more than seventy (70) pipes that were discharging to the box culvert. The fusion bonded pipe and flowable fill eliminated infiltration along the most impacted areas south of the MW-BCP-5 area and the Light Oil Area. However, the pipes in the areas east of the former Battery No. 1 could only be sealed with hydraulic cement as the battery and production equipment still surrounded the culvert and the laterals discharge piping remained in the ground.

The Community Air Monitoring Program (CAMP, Inventum, 2021) will be followed during all intrusive activities.

The North Storm Sewer will be excavated and either disposed or recycled. The fill over the pipe will be excavated and staged along the pipe alignment. If there is no mobile tar or Non-aqueous Phase Liquid (NAPL) observed, the material will be used as backfill in the trench. The pipe will be removed and inspected, if free of residuals, the pipe will be recycled. If there are residual materials that cannot be removed by mechanical means or power washing, the pipe will be staged on polyethylene sheeting, the contents will be sampled for disposal parameters, and the pipe will be disposed in accordance with the characteristics of the residual. The sidewalls of the excavation will be inspected prior to backfill. All lateral piping adjacent to the excavation will be removed using the same procedure as the North Storm Sewer.



After inspection of the trench walls, the excavation will be backfilled with the suitable fill from the excavation. The materials shall be placed and compacted to ensure they do not consolidate and create a traffic hazard. Fill to bring the pipe alignment to grade will come from the clean crushed concrete stockpile No. 10 in the east end of the process area (Appendix A):



The Box Culvert will be excavated and the box culvert concrete will be crushed and be placed in a new pile so it can be reused. The fill and plates over the Box Culvert will be excavated and staged along the culvert alignment. The plates and crane mats will be reused, recycled, or disposed offsite. The concrete will be removed and inspected, if free of residuals, the concrete will be staged for processing and reuse. If there are residual materials that cannot be removed by mechanical means or power washing, the concrete will be staged on polyethylene sheeting, the contents will be sampled for disposal parameters, and the concrete will be disposed in accordance with the characteristics of the residual. The sidewalls of the excavation will be inspected prior to backfill. All lateral piping adjacent to the excavation will be removed using the same procedure as the North Storm Sewer.

After inspection of the trench walls, the excavation will be backfilled with the crushed concrete from Pile No. 10 (Appendix A). The materials shall be placed and compacted to ensure they do not consolidate and create a traffic hazard.



Swale Grading

The swales (Figure 3) will be graded to drain to one of two check dams (Figure 3) installed to ensure excess sediment does not enter the stormwater system. The swales will be graded into the compacted fill at an elevation that will convey surface water to the check dam discharge points without excavation into the underlying shallow groundwater system. The grading around and the swale over the North Storm Sewer location shall be at elevations that allow positive drainage from the north, maintaining control of surface water on the BCP Site. The swale will have a split to provide two outlets for the eastern sourced flows, one across the space between the solidified Tar Management and exhauster building areas (Not over solidified materials, and one to the remaining section of the north storm sewer).

Where the swales cross traffic lanes, a wet crossing of cobble size concrete over a layer of geotextile, or two, 8-inch diameter, or larger pipes shall be buried as conduits under the traffic lane.

Survey Data

The locations and elevations of the inverts of the North Storm Sewer and Box Culvert shall be measured with the Global Positioning System (GPS) prior to removal. If possible, not less than six (6) location and elevation measurements shall be made along each system. The invert of the North Sewer, if not accessible, shall be estimated by measurements of the base of the excavation. The locations and elevations of all laterals, mobile tar, or NAPL shall be measured with the GPS. Locations of the laterals to the Box Culvert shall be correlated with the previous observations and GPS data.

The GPS data shall be tabulated and presented on a project plan.

Green and Sustainable Remediation

In accordance with DER-31 this work plan has considered the sustainable remediation initiatives and complies by:

- Protecting surface water quality at Outfall #001 using passive, energy free water conveyance,
- Utilizing onsite materials to the extent possible,
- Reusing and recycling materials to the extent possible, and
- Eliminating potential sources quickly and efficiently.

Reporting

The New York State Department of Environmental Conservation (NYSDEC) will be provided no less than 2 days' notice prior to the initiation of the excavations and no less than 5 days' notice prior to the shipment of any recycled or waste from the BCP Site.

Following removal of the North Storm Sewer and Box Culvert, a letter construction completion report will be prepared to describe the activities both in text and with photographs. The management and disposition of all materials, pipe, fill, and concrete will be described and any bills of lading or waste manifests will be appended. The GPS data will be presented in tabular and graphic formats.



Schedule

This would begin within one week of the approval of a work plan. The work will require approximately one month to complete apart from sample turnaround and waste profile approvals which may take up to 30- to 90-days.



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 North Storm Sewer and Box Culvert By-pass Work Plan was prepared in accordance with all applicable statutes and regulators and in substation conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and Green Remediation (DER-31).

Respectfully Submitted,

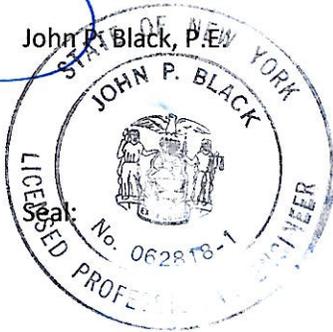
Inventum Engineering, P.C.

Date: May 1, 2024

License No: 062818-1

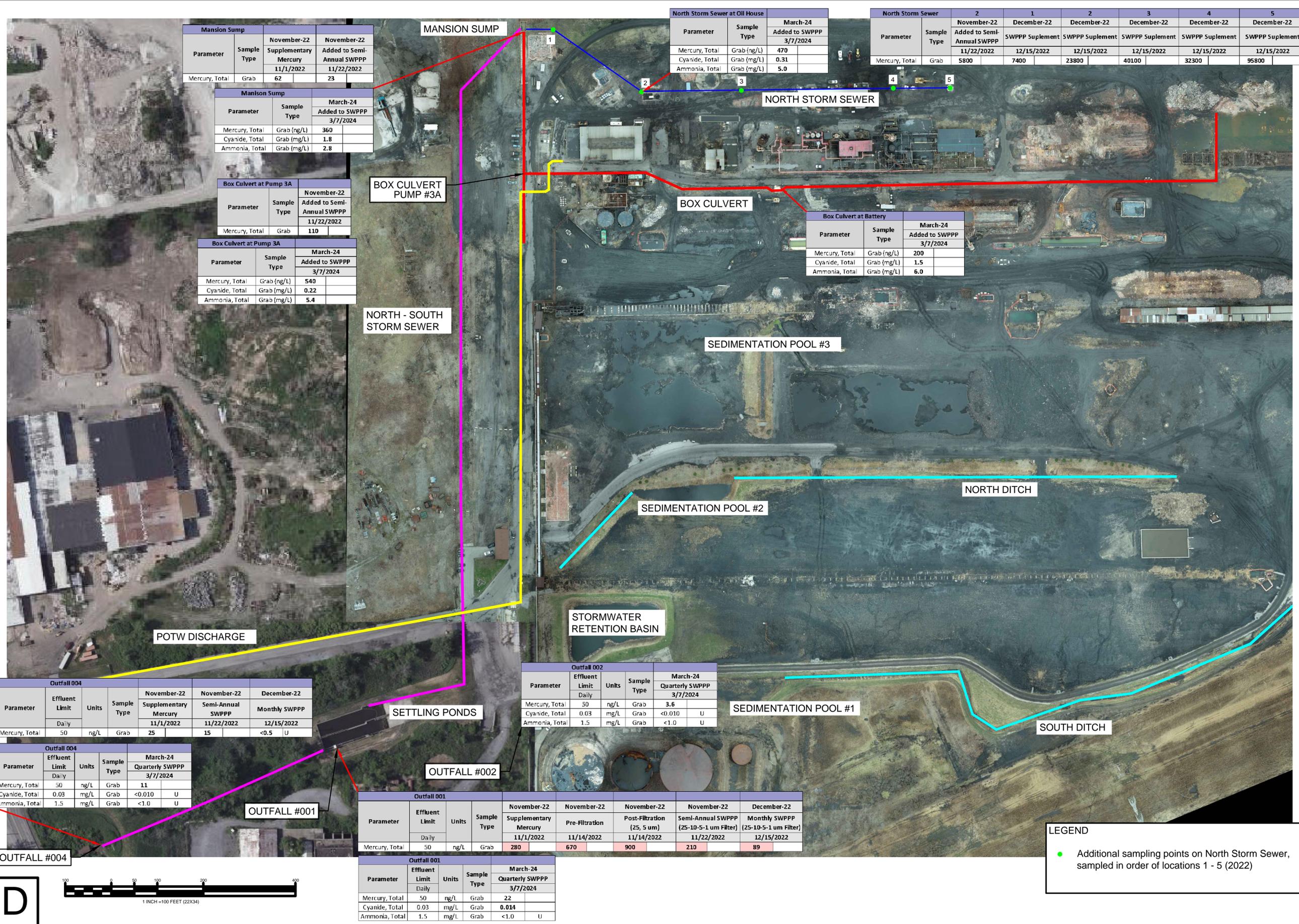


John P. Black, P.E.



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Figures



Mansion Sump			
Parameter	Sample Type	November-22	November-22
Mercury, Total	Grab	Supplementary Mercury	Added to Semi-Annual SWPPP
		11/1/2022	11/22/2022
		62	23

Mansion Sump			
Parameter	Sample Type	March-24	
Mercury, Total	Grab (ng/L)	Added to SWPPP	
		3/7/2024	
		360	
Cyanide, Total	Grab (mg/L)	1.8	
Ammonia, Total	Grab (mg/L)	2.8	

Box Culvert at Pump 3A			
Parameter	Sample Type	November-22	November-22
Mercury, Total	Grab	Added to Semi-Annual SWPPP	Added to Semi-Annual SWPPP
		11/22/2022	11/22/2022
		110	

Box Culvert at Pump 3A			
Parameter	Sample Type	March-24	
Mercury, Total	Grab (ng/L)	Added to SWPPP	
		3/7/2024	
		540	
Cyanide, Total	Grab (mg/L)	0.22	
Ammonia, Total	Grab (mg/L)	5.4	

North Storm Sewer at Oil House			
Parameter	Sample Type	March-24	
Mercury, Total	Grab (ng/L)	Added to SWPPP	
		3/7/2024	
		470	
Cyanide, Total	Grab (mg/L)	0.31	
Ammonia, Total	Grab (mg/L)	5.0	

North Storm Sewer		2	1	2	3	4	5
Parameter	Sample Type	November-22	December-22	December-22	December-22	December-22	December-22
Mercury, Total	Grab	Added to Semi-Annual SWPPP	SWPPP Supplement				
		11/22/2022	12/15/2022	12/15/2022	12/15/2022	12/15/2022	12/15/2022
		5800	7400	23800	40100	32300	95800

Box Culvert at Battery			
Parameter	Sample Type	March-24	
Mercury, Total	Grab (ng/L)	Added to SWPPP	
		3/7/2024	
		200	
Cyanide, Total	Grab (mg/L)	1.5	
Ammonia, Total	Grab (mg/L)	6.0	

Outfall 002				
Parameter	Effluent Limit	Units	Sample Type	March-24
Mercury, Total	50	ng/L	Grab	Quarterly SWPPP
				3/7/2024
				3.6
Cyanide, Total	0.03	mg/L	Grab	<0.010
Ammonia, Total	1.5	mg/L	Grab	<1.0

Outfall 004						
Parameter	Effluent Limit	Units	Sample Type	November-22	November-22	December-22
Mercury, Total	50	ng/L	Grab	Supplementary Mercury	Semi-Annual SWPPP	Monthly SWPPP
				11/1/2022	11/22/2022	12/15/2022
				25	15	<0.5
				U		U

Outfall 004				
Parameter	Effluent Limit	Units	Sample Type	March-24
Mercury, Total	50	ng/L	Grab	Quarterly SWPPP
				3/7/2024
				11
Cyanide, Total	0.03	mg/L	Grab	<0.010
Ammonia, Total	1.5	mg/L	Grab	<1.0

Outfall 001						
Parameter	Effluent Limit	Units	Sample Type	November-22	November-22	November-22
Mercury, Total	50	ng/L	Grab	Supplementary Mercury	Pre-Filtration	Post-Filtration (25, 5 um)
				11/1/2022	11/14/2022	11/14/2022
				280	670	900
				210		89

Outfall 001				
Parameter	Effluent Limit	Units	Sample Type	March-24
Mercury, Total	50	ng/L	Grab	Quarterly SWPPP
				3/7/2024
				22
Cyanide, Total	0.03	mg/L	Grab	0.014
Ammonia, Total	1.5	mg/L	Grab	<1.0

LEGEND

- Additional sampling points on North Storm Sewer, sampled in order of locations 1 - 5 (2022)



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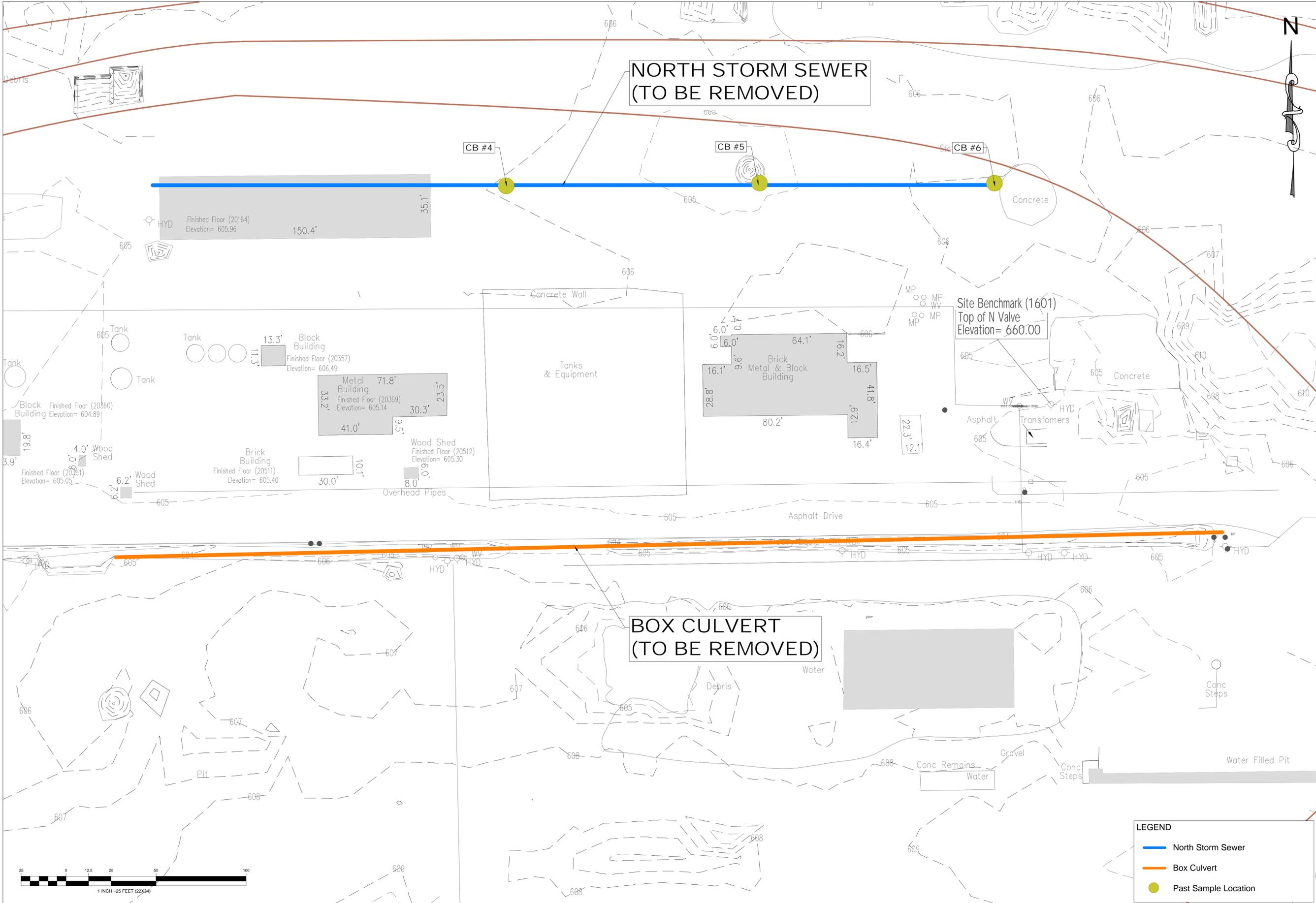
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QUARTERLY SWPPP WITH ADDITIONAL MERCURY, CYANIDE, AND AMMONIA
 RIVERVIEW INNOVATION & TECHNOLOGY CAMPUS, INC.
 3875 RIVER ROAD
 TONAWANDA, NEW YORK 14150
 BCP SITE No. C915353

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FIGURE 1
 DRAWING NUMBER
 SWPPP MARCH 2024



**NORTH STORM SEWER
(TO BE REMOVED)**

**BOX CULVERT
(TO BE REMOVED)**

- LEGEND**
- North Storm Sewer
 - Box Culvert
 - Past Sample Location

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**SEWER AND BOX CULVERT
STORMWATER BYPASS PLAN
RIVERVIEW INNOVATION &
TECHNOLOGY CAMPUS, INC.
BCP SITE #C915353
3875 RIVER ROAD
TONAWANDA, NEW YORK 14150**

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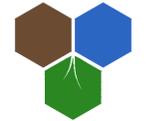
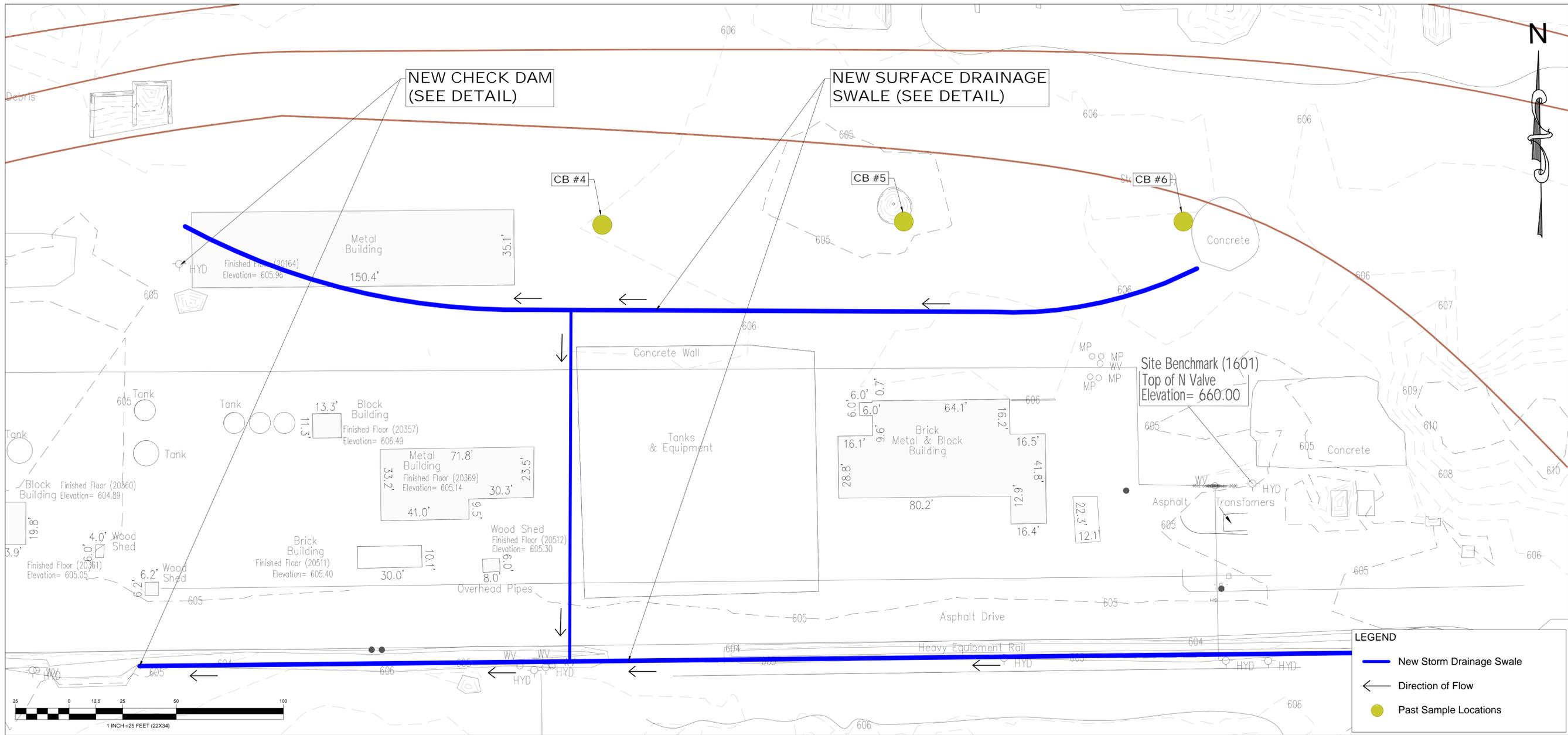


FIGURE 2

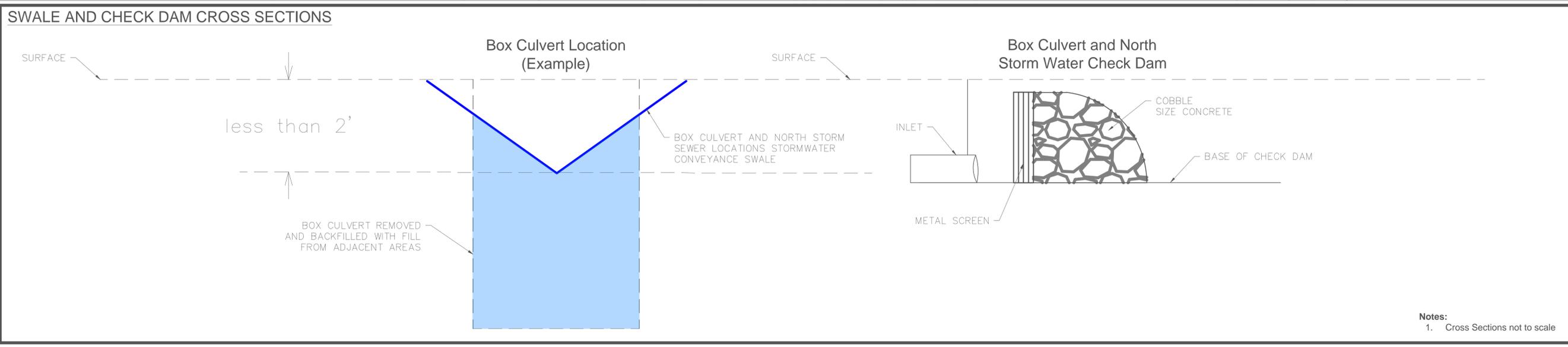


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SEWER AND BOX CULVERT STORMWATER BYPASS PLAN
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TONAWANDA, NEW YORK 14150

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Notes:
 1. Cross Sections not to scale

FIGURE 3

Appendix A – Import Request



**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**



Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e) and 6NYCRR Part 360.13. Use of this form is not a substitute for reading the applicable regulations and Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is:

Have Ecological Resources been identified?

Is this soil originating from the site?

How many cubic yards of soil will be imported/reused?

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone?

Does it contain less than 10%, by weight, material that passes a size 100 sieve?

Is this virgin material from a permitted mine or quarry?

Is this material recycled concrete or brick from a DEC registered processing facility?

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

Two discrete VOCs (8260) samples were collected along with 2 composite samples for SVOCs (8270), and inorganics.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

Sample results are attached.

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

RITC (owner)

Location where fill was obtained:

3875 River Road, Tonawanda New York. Recovered brick and breeze.

Identification of any state or local approvals as a fill source:

NA

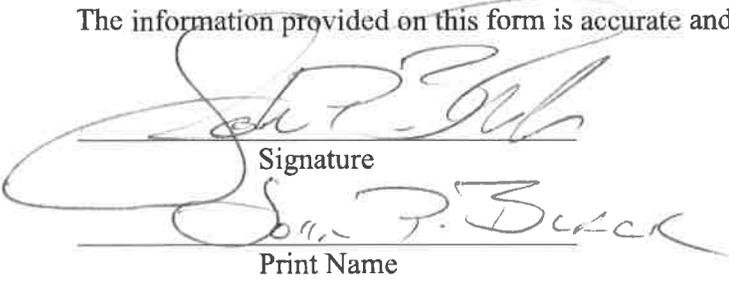
If no approvals are available, provide a brief history of the use of the property that is the fill source:

The property was historically a Coke Plant. The material to be used for back fill of North Storm Sewer and Box Culvert. The material is crushed concrete from approved non-BCP structures, Coke Yard trestle foundations, Rod Mill building, Coal Handling basement (pile 10).

Provide a list of supporting documentation included with this request:

Pile 10 Concrete Evaluation Table, concrete pile figure & Laboratory report.

The information provided on this form is accurate and complete.


Signature

4/25/2024
Date

John P. Becker
Print Name

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FIGURE 1
 MARCH 2024



Table 1
Concrete Pile 10 Evaluation
Riverview Innovation & Technology Campus, Inc.
Tonawanda, New York

DRAFT

ANALYTE	SAMPLE ID:		CONCRETE-10-01-07252023		CONCRETE-10-02-07252023	
	LAB REPORT:		L2342825-04		L2342825-05	
	COLLECTION DATE:		7/25/2023		7/25/2023	
	SAMPLE MATRIX:		CONCRETE		CONCRETE	
	SAMPLE LOCATION:		Coke Yard - Trestle Foundations, Rod Mill, Coal Handling (Sample 1)		Coke Yard - Trestle Foundations, Rod Mill, Coal Handling (Sample 2)	
	Part 375 Commercial SCOs (mg/kg)	Part 375 Industrial SCOs (mg/kg)				
VOLATILE ORGANICS BY GC/MS						
1,1,1-Trichloroethane	500	1000	<0.00016	U	<0.00014	U
1,1,2,2-Tetrachloroethane			<0.00016	U	<0.00014	U
1,1,2-Trichloroethane			<0.00026	U	<0.00023	U
1,1-Dichloroethane	240	480	<0.00014	U	<0.00012	U
1,1-Dichloroethene	500	1000	<0.00023	U	<0.0002	U
1,2,3-Trichlorobenzene			<0.00032	U	<0.00028	U
1,2,4-Trichlorobenzene			<0.00027	U	<0.00024	U
1,2,4-Trimethylbenzene	190	380	<0.00033	U	<0.00029	U
1,2-Dibromo-3-chloropropane			<0.00098	U	<0.00086	U
1,2-Dibromoethane			<0.00028	U	<0.00024	U
1,2-Dichlorobenzene	500	1000	<0.00014	U	<0.00012	U
1,2-Dichloroethane	30	60	<0.00025	U	<0.00022	U
1,2-Dichloroethene, Total			<0.00014	U	<0.00012	U
1,2-Dichloropropane			<0.00012	U	<0.00011	U
1,3,5-Trimethylbenzene	190	380	<0.00019	U	<0.00017	U
1,3-Dichlorobenzene	280	560	<0.00014	U	<0.00013	U
1,3-Dichloropropene, Total			<0.00016	U	<0.00014	U
1,4-Dichlorobenzene	130	250	<0.00017	U	<0.00015	U
1,4-Dioxane	130	250	<0.034	U	<0.03	U
2-Butanone	500	1000	<0.0022	U	<0.0019	U
2-Hexanone			<0.0012	U	<0.001	U
4-Methyl-2-pentanone			<0.0013	U	<0.0011	U
Acetone	500	1000	<0.0047	U	<0.0042	U
Benzene	44	89	<0.00016	U	<0.00014	U
Bromochloromethane			<0.0002	U	<0.00018	U
Bromodichloromethane			<0.00011	U	<0.00009	U
Bromoform			<0.00024	U	<0.00021	U
Bromomethane			<0.00057	U	<0.0005	U
Carbon disulfide			<0.0045	U	<0.0039	U
Carbon tetrachloride	22	44	<0.00023	U	<0.0002	U
Chlorobenzene	500	1000	<0.00012	U	<0.00011	U
Chloroethane			<0.00044	U	<0.00039	U
Chloroform	350	700	<0.00014	U	<0.00012	U
Chloromethane			<0.00092	U	<0.00081	U
cis-1,2-Dichloroethene	500	1000	<0.00017	U	<0.00015	U
cis-1,3-Dichloropropene			<0.00016	U	<0.00014	U
Cyclohexane			<0.00054	U	<0.00047	U
Dibromochloromethane			<0.00014	U	<0.00012	U
Dichlorodifluoromethane			<0.0009	U	<0.00079	U
Ethylbenzene	390	780	<0.00014	U	<0.00012	U
Freon-113			<0.00068	U	<0.0006	U
Isopropylbenzene			<0.00011	U	<0.00009	U
Methyl Acetate			<0.00094	U	<0.00082	U



Table 1
Concrete Pile 10 Evaluation
Riverview Innovation & Technology Campus, Inc.
Tonawanda, New York

DRAFT

ANALYTE	SAMPLE ID:		CONCRETE-10-01-07252023		CONCRETE-10-02-07252023	
	LAB REPORT:		L2342825-04		L2342825-05	
	COLLECTION DATE:		7/25/2023		7/25/2023	
	SAMPLE MATRIX:		CONCRETE		CONCRETE	
	SAMPLE LOCATION:		Coke Yard - Trestle Foundations, Rod Mill, Coal Handling (Sample 1)		Coke Yard - Trestle Foundations, Rod Mill, Coal Handling (Sample 2)	
	Part 375 Commercial SCOs	Part 375 Industrial SCOs				
	(mg/kg)	(mg/kg)				
Methyl cyclohexane			<0.00059	U	<0.00052	U
Methyl tert butyl ether	500	1000	<0.0002	U	<0.00017	U
Methylene chloride	500	1000	<0.0022	U	<0.002	U
n-Butylbenzene	500	1000	<0.00016	U	<0.00014	U
n-Propylbenzene	500	1000	<0.00017	U	<0.00015	U
Naphthalene	500	1000	<0.00064	U	<0.00056	U
o-Xylene			<0.00029	U	<0.00025	U
p-Isopropyltoluene			<0.00011	U	<0.00009	U
p/m-Xylene			<0.00055	U	<0.00048	U
sec-Butylbenzene	500	1000	<0.00014	U	<0.00013	U
Styrene			<0.00019	U	<0.00017	U
tert-Butylbenzene	500	1000	<0.00012	U	<0.0001	U
Tetrachloroethene	150	300	<0.00019	U	<0.00017	U
Toluene	500	1000	<0.00054	U	<0.00047	U
trans-1,2-Dichloroethene	500	1000	<0.00014	U	<0.00012	U
trans-1,3-Dichloropropene			<0.00027	U	<0.00024	U
Trichloroethene	200	400	<0.00014	U	<0.00012	U
Trichlorofluoromethane			<0.00068	U	<0.0006	U
Vinyl chloride	13	27	<0.00033	U	<0.00029	U
Xylenes, Total	500	1000	<0.00029	U	<0.00025	U
Total VOCs			-	-	-	-



Table 1
Concrete Pile 10 Evaluation
Riverview Innovation & Technology Campus, Inc.
Tonawanda, New York

DRAFT

ANALYTE	SAMPLE ID:		CONCRETE-10-01-07252023		CONCRETE-10-02-07252023	
	LAB REPORT:		L2342825-04		L2342825-05	
	COLLECTION DATE:		7/25/2023		7/25/2023	
	SAMPLE MATRIX:		CONCRETE		CONCRETE	
	SAMPLE LOCATION:		Coke Yard - Trestle Foundations, Rod Mill, Coal Handling (Sample 1)		Coke Yard - Trestle Foundations, Rod Mill, Coal Handling (Sample 2)	
	Part 375 Commercial SCOs (mg/kg)	Part 375 Industrial SCOs (mg/kg)				
SEMIVOLATILE ORGANICS BY GC/MS						
1,2,4,5-Tetrachlorobenzene			<0.011	U	<0.011	U
1,2,4-Trichlorobenzene			<0.017	U	<0.017	U
1,2-Dichlorobenzene	500	1000	<0.022	U	<0.022	U
1,3-Dichlorobenzene	280	560	<0.027	U	<0.027	U
1,4-Dichlorobenzene	130	250	<0.024	U	<0.024	U
2,4,5-Trichlorophenol			<0.022	U	<0.022	U
2,4,6-Trichlorophenol			<0.03	U	<0.03	U
2,4-Dichlorophenol			<0.024	U	<0.024	U
2,4-Dimethylphenol			0.021	J	<0.011	U
2,4-Dinitrophenol			<0.031	U	<0.031	U
2,4-Dinitrotoluene			<0.017	U	<0.017	U
2,6-Dinitrotoluene			<0.037	U	<0.037	U
2-Chloronaphthalene			<0.01	U	<0.01	U
2-Chlorophenol			<0.029	U	<0.029	U
2-Methylnaphthalene			0.55		0.25	
2-Methylphenol	500	1000	<0.05	U	<0.05	U
2-Nitroaniline			<0.024	U	<0.024	U
2-Nitrophenol			<0.024	U	<0.024	U
3,3'-Dichlorobenzidine			<0.044	U	<0.044	U
3-Methylphenol/4-Methylphenol	500	1000	0.08	J	<0.037	U
3-Nitroaniline			<0.021	U	<0.021	U
4,6-Dinitro-o-cresol			<0.02	U	<0.02	U
4-Bromophenyl phenyl ether			<0.019	U	<0.019	U
4-Chloroaniline			<0.043	U	<0.043	U
4-Chlorophenyl phenyl ether			<0.016	U	<0.016	U
4-Nitroaniline			<0.03	U	<0.03	U
4-Nitrophenol			<0.042	U	<0.042	U
Acenaphthene	500	1000	0.18		0.06	J
Acenaphthylene	500	1000	0.69		0.14	
Acetophenone			<0.035	U	<0.035	U
Anthracene	500	1000	3.6		0.25	
Benzo(a)anthracene	5.6	11	5.1		0.66	
Benzo(a)pyrene	1	1.1	3.8		0.77	
Benzo(b)fluoranthene	5.6	11	5.7		1.1	
Benzo(ghi)perylene	500	1000	2.3		0.61	
Benzo(k)fluoranthene	56	110	2		0.37	
Benzoic Acid			<0.043	U	<0.043	U
Benzyl Alcohol			<0.036	U	<0.036	U
Biphenyl			0.14	J	0.062	J
Bis(2-chloroethoxy)methane			<0.021	U	<0.021	U
Bis(2-chloroethyl)ether			<0.021	U	<0.021	U
Bis(2-chloroisopropyl)ether			<0.025	U	<0.025	U



Table 1
Concrete Pile 10 Evaluation
Riverview Innovation & Technology Campus, Inc.
Tonawanda, New York

DRAFT

ANALYTE	SAMPLE ID:		CONCRETE-10-01-07252023	CONCRETE-10-02-07252023
	LAB REPORT:		L2342825-04	L2342825-05
	COLLECTION DATE:		7/25/2023	7/25/2023
	SAMPLE MATRIX:		CONCRETE	CONCRETE
	SAMPLE LOCATION:		Coke Yard - Trestle Foundations, Rod Mill, Coal Handling (Sample 1)	Coke Yard - Trestle Foundations, Rod Mill, Coal Handling (Sample 2)
	Part 375 Commercial SCOs	Part 375 Industrial SCOs		
	(mg/kg)	(mg/kg)		
Bis(2-ethylhexyl)phthalate			0.56	0.099 J
Butyl benzyl phthalate			<0.037 U	<0.037 U
Carbazole			0.85	0.12 J
Chrysene	56	110	5.8	0.83
Di-n-butylphthalate			<0.038 U	<0.038 U
Di-n-octylphthalate			<0.029 U	<0.029 U
Dibenzo(a,h)anthracene	0.56	1.1	0.62	0.13
Dibenzofuran	350	1000	0.58	0.22
Diethyl phthalate			<0.014 U	<0.014 U
Dimethyl phthalate			<0.0097 U	<0.0097 U
Fluoranthene	500	1000	16	1.5
Fluorene	500	1000	0.61	0.17
Hexachlorobenzene	6	12	<0.017 U	<0.017 U
Hexachlorobutadiene			<0.026 U	<0.026 U
Hexachlorocyclopentadiene			<0.017 U	<0.017 U
Hexachloroethane			<0.023 U	<0.023 U
Indeno(1,2,3-cd)pyrene	5.6	11	3	0.73
Isophorone			<0.021 U	<0.021 U
n-Nitrosodi-n-propylamine			<0.03 U	<0.03 U
Naphthalene	500	1000	1.6	0.74
NDPA/DPA			<0.025 U	<0.025 U
Nitrobenzene			<0.016 U	<0.016 U
p-Chloro-m-cresol			<0.034 U	<0.034 U
Pentachlorophenol	6.7	55	<0.028 U	<0.028 U
Phenanthrene	500	1000	3.6	1
Phenol	500	1000	0.059 J	<0.02 U
Pyrene	500	1000	11	1.1
Total SVOCs			63.94 -	10.911 -



Table 1
Concrete Pile 10 Evaluation
Riverview Innovation & Technology Campus, Inc.
Tonawanda, New York

DRAFT

ANALYTE	SAMPLE ID:		CONCRETE-10-01-07252023		CONCRETE-10-02-07252023	
	LAB REPORT:		L2342825-04		L2342825-05	
	COLLECTION DATE:		7/25/2023		7/25/2023	
	SAMPLE MATRIX:		CONCRETE		CONCRETE	
	SAMPLE LOCATION:		Coke Yard - Trestle Foundations, Rod Mill, Coal Handling (Sample 1)		Coke Yard - Trestle Foundations, Rod Mill, Coal Handling (Sample 2)	
	Part 375 Commercial SCOs (mg/kg)	Part 375 Industrial SCOs (mg/kg)				
ORGANOCHLORINE PESTICIDES BY GC						
4,4'-DDD	92	180	<0.00162	U	<0.00149	U
4,4'-DDE	62	120	<0.00105	U	<0.000965	U
4,4'-DDT	47	94	<0.00366	U	<0.00336	U
Aldrin	0.68	1.4	<0.0016	U	<0.00147	U
Alpha-BHC	3.4	6.8	<0.000539	U	<0.000494	U
Beta-BHC	3	14	<0.00173	U	<0.00158	U
Chlordane			<0.0151	U	<0.0138	U
cis-Chlordane	24	47	<0.00159	U	<0.00145	U
Delta-BHC	500	1000	<0.000892	U	<0.000817	U
Dieldrin	1.4	2.8	<0.00142	U	<0.0013	U
Endosulfan I	200	920	<0.00108	U	<0.000986	U
Endosulfan II	200	920	<0.00152	U	<0.00139	U
Endosulfan sulfate	200	920	<0.000904	U	<0.000828	U
Endrin	89	410	<0.000778	U	<0.000713	U
Endrin aldehyde			<0.00199	U	<0.00182	U
Endrin ketone			<0.00117	U	<0.00107	U
Heptachlor	15	29	<0.00102	U	<0.000935	U
Heptachlor epoxide			<0.00256	U	<0.00235	U
Lindane	9.2	23	<0.000849	U	<0.000777	U
Methoxychlor			<0.00266	U	<0.00243	U
Toxaphene			<0.0239	U	<0.0219	U
trans-Chlordane			<0.0015	U	<0.00138	U
POLYCHLORINATED BIPHENYLS BY GC						
Aroclor 1016	1	25	<0.00865	U	<0.00894	U
Aroclor 1221	1	25	<0.00976	U	<0.0101	U
Aroclor 1232	1	25	<0.0207	U	<0.0213	U
Aroclor 1242	1	25	<0.0131	U	<0.0136	U
Aroclor 1248	1	25	<0.0146	U	<0.0151	U
Aroclor 1254	1	25	<0.0107	U	<0.011	U
Aroclor 1260	1	25	<0.018	U	<0.0186	U
Aroclor 1262	1	25	<0.0124	U	<0.0128	U
Aroclor 1268	1	25	<0.0101	U	<0.0104	U
PCBs, Total	1	25	<0.00865	U	<0.00894	U
TOTAL METALS						
Aluminum, Total			9710		10800	
Antimony, Total			<0.301	U	<0.299	U
Arsenic, Total	16	16	13.5		8.88	
Barium, Total	400	10000	119		123	
Beryllium, Total	590	2700	0.693		0.829	
Cadmium, Total	9.3	60	<0.078	U	<0.077	U



Table 1
Concrete Pile 10 Evaluation
Riverview Innovation & Technology Campus, Inc.
Tonawanda, New York

DRAFT

ANALYTE	SAMPLE ID:		CONCRETE-10-01-07252023	CONCRETE-10-02-07252023	
	LAB REPORT:		L2342825-04	L2342825-05	
	COLLECTION DATE:		7/25/2023	7/25/2023	
	SAMPLE MATRIX:		CONCRETE	CONCRETE	
	SAMPLE LOCATION:		Coke Yard - Trestle Foundations, Rod Mill, Coal Handling (Sample 1)	Coke Yard - Trestle Foundations, Rod Mill, Coal Handling (Sample 2)	
	Part 375 Commercial SCOs	Part 375 Industrial SCOs			
	(mg/kg)	(mg/kg)			
Calcium, Total			108000	124000	
Chromium, Total			14.3	12.8	
Cobalt, Total			3.46	3.01	
Copper, Total	270	10000	19.4	19.7	
Iron, Total			14200	12800	
Lead, Total	1000	3900	23.7	28.5	
Magnesium, Total			14100	11200	
Manganese, Total	10000	10000	857	620	
Mercury, Total	2.8	5.7	0.089	0.157	
Nickel, Total	310	10000	12.4	9.56	
Potassium, Total			1000	1090	
Selenium, Total	1500	6800	0.516	J	0.922 J
Silver, Total	1500	6800	<0.224	U	<0.223 U
Sodium, Total			321	387	
Thallium, Total			<0.249	U	0.719 J
Vanadium, Total			11.4	13.8	
Zinc, Total	10000	10000	46	42.4	
GENERAL CHEMISTRY					
Solids, Total			96.8	97	
Cyanide, Total	27	10000	-	-	
* Comparison is not performed on parameters with non-numeric criteria.					
NY-RESC: New York NYCRR Part 375 Commercial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.					
NY-RESI: New York NYCRR Part 375 Industrial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.					
Qualifiers:					
I - The lower value for the two columns has been reported due to obvious interference.					
P - The RPD between the results for the two columns exceeds the method-specified criteria.					
U - Not detected at the reported detection limit for the sample.					
NJ - Presumptive evidence of compound.					
NI - Not Ignitable					
Bold - Compound is detected					
Red Highlight - Exceeds NYS Part 375 Industrial SCOs					
Green Highlight - Exceeds NYS Part 375 Commercial SCOs					



ANALYTICAL REPORT

Lab Number:	L2342825
Client:	Inventum Engineering 441 Carlisle Drive Suite C Herndon, NY 20170
ATTN:	John Black
Phone:	(571) 752-6562
Project Name:	RITC
Project Number:	CONCRETE SAMPLING
Report Date:	08/17/23

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

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



Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2342825-01	CONCRETE-3 TO 6-07252023	SOLID	3875 RIVER RD, TONAWANDA	07/25/23 15:55	07/25/23
L2342825-02	CONCRETE-08-01-07252023	SOLID	3875 RIVER RD, TONAWANDA	07/25/23 16:00	07/25/23
L2342825-03	CONCRETE-08-02-07252023	SOLID	3875 RIVER RD, TONAWANDA	07/25/23 16:05	07/25/23
L2342825-04	CONCRETE-10-01-07252023	SOLID	3875 RIVER RD, TONAWANDA	07/25/23 16:10	07/25/23
L2342825-05	CONCRETE-10-02-07252023	SOLID	3875 RIVER RD, TONAWANDA	07/25/23 16:15	07/25/23
L2342825-06	CONCRETE-11-02-07252023	SOLID	3875 RIVER RD, TONAWANDA	07/25/23 16:20	07/25/23

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Case Narrative

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

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

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

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

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

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

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Case Narrative (continued)

Report Submission

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

Volatile Organics

L2342825-01 through -06: Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Semivolatile Organics

The WG1810297-2/-3 LCS/LCSD recoveries, associated with L2342825-01, -01D, -02, -03, -04D, -04, -05, and -06, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Total Metals

L2342825-01 through -06: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

The WG1810373-1 Method Blank, associated with L2342825-01 through -06, has a concentration above the reporting limit for iron and nickel. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

The WG1815441-3 MS recoveries, performed on L2342825-01, are outside the acceptance criteria for chromium (127%) and nickel (164%). A post digestion spike was performed and was within acceptance criteria.

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

Authorized Signature:

Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative

Date: 08/17/23

ORGANICS

VOLATILES

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-01
 Client ID: CONCRETE-3 TO 6-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 15:55
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Solid
 Analytical Method: 1,8260D
 Analytical Date: 08/05/23 14:44
 Analyst: AJK
 Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.89	0.13	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.89	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.89	0.11	1
Dibromochloromethane	ND		ug/kg	0.89	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.89	0.24	1
Tetrachloroethene	ND		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.62	1
1,2-Dichloroethane	ND		ug/kg	0.89	0.23	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	0.89	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.15	1
Benzene	ND		ug/kg	0.44	0.15	1
Toluene	ND		ug/kg	0.89	0.48	1
Ethylbenzene	ND		ug/kg	0.89	0.12	1
Chloromethane	ND		ug/kg	3.6	0.83	1
Bromomethane	ND		ug/kg	1.8	0.52	1
Vinyl chloride	ND		ug/kg	0.89	0.30	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	ND		ug/kg	0.89	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1
Trichloroethene	ND		ug/kg	0.44	0.12	1

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-01
 Client ID: CONCRETE-3 TO 6-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 15:55
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
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	0.50	1
o-Xylene	ND		ug/kg	0.89	0.26	1
Xylenes, Total	ND		ug/kg	0.89	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.89	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.89	0.12	1
Styrene	ND		ug/kg	0.89	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.9	0.81	1
Acetone	ND		ug/kg	8.9	4.3	1
Carbon disulfide	ND		ug/kg	8.9	4.0	1
2-Butanone	ND		ug/kg	8.9	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	8.9	1.1	1
2-Hexanone	ND		ug/kg	8.9	1.0	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.89	0.25	1
n-Butylbenzene	ND		ug/kg	0.89	0.15	1
sec-Butylbenzene	ND		ug/kg	0.89	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.89	1
Isopropylbenzene	ND		ug/kg	0.89	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.89	0.10	1
Naphthalene	2.7	J	ug/kg	3.6	0.58	1
n-Propylbenzene	ND		ug/kg	0.89	0.15	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
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
Methyl Acetate	ND		ug/kg	3.6	0.84	1
Cyclohexane	ND		ug/kg	8.9	0.48	1
1,4-Dioxane	ND		ug/kg	71	31.	1
Freon-113	ND		ug/kg	3.6	0.62	1
Methyl cyclohexane	ND		ug/kg	3.6	0.54	1

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-01
 Client ID: CONCRETE-3 TO 6-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 15:55
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	107		70-130

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-02
 Client ID: CONCRETE-08-01-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:00
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8260D
 Analytical Date: 08/05/23 15:10
 Analyst: AJK
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.93	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.93	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.93	0.12	1
Dibromochloromethane	ND		ug/kg	0.93	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.93	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.15	1
Benzene	ND		ug/kg	0.47	0.15	1
Toluene	ND		ug/kg	0.93	0.51	1
Ethylbenzene	ND		ug/kg	0.93	0.13	1
Chloromethane	ND		ug/kg	3.7	0.87	1
Bromomethane	ND		ug/kg	1.9	0.54	1
Vinyl chloride	ND		ug/kg	0.93	0.31	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1
Trichloroethene	ND		ug/kg	0.47	0.13	1

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-02
 Client ID: CONCRETE-08-01-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:00
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.52	1
o-Xylene	ND		ug/kg	0.93	0.27	1
Xylenes, Total	ND		ug/kg	0.93	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.93	0.13	1
Styrene	ND		ug/kg	0.93	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.85	1
Acetone	ND		ug/kg	9.3	4.5	1
Carbon disulfide	ND		ug/kg	9.3	4.2	1
2-Butanone	ND		ug/kg	9.3	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	1.2	1
2-Hexanone	ND		ug/kg	9.3	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.93	0.26	1
n-Butylbenzene	ND		ug/kg	0.93	0.16	1
sec-Butylbenzene	ND		ug/kg	0.93	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.93	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.10	1
Naphthalene	0.71	J	ug/kg	3.7	0.60	1
n-Propylbenzene	ND		ug/kg	0.93	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.31	1
Methyl Acetate	ND		ug/kg	3.7	0.88	1
Cyclohexane	ND		ug/kg	9.3	0.51	1
1,4-Dioxane	ND		ug/kg	74	33.	1
Freon-113	ND		ug/kg	3.7	0.64	1
Methyl cyclohexane	ND		ug/kg	3.7	0.56	1

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-02
 Client ID: CONCRETE-08-01-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:00
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	103		70-130

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-03
 Client ID: CONCRETE-08-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:05
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8260D
 Analytical Date: 08/05/23 15:36
 Analyst: AJK
 Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.21	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.18	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1
Trichloroethene	ND		ug/kg	0.52	0.14	1

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-03
 Client ID: CONCRETE-08-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:05
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
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	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.31	1
Xylenes, Total	ND		ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	ND		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	0.76	J	ug/kg	4.2	0.68	1
n-Propylbenzene	ND		ug/kg	1.0	0.18	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
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
Methyl Acetate	ND		ug/kg	4.2	1.0	1
Cyclohexane	ND		ug/kg	10	0.57	1
1,4-Dioxane	ND		ug/kg	84	37.	1
Freon-113	ND		ug/kg	4.2	0.73	1
Methyl cyclohexane	ND		ug/kg	4.2	0.63	1

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-03
 Client ID: CONCRETE-08-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:05
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	104		70-130

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-04
 Client ID: CONCRETE-10-01-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:10
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8260D
 Analytical Date: 08/05/23 16:01
 Analyst: AJK
 Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.98	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.98	0.23	1
1,2-Dichloropropane	ND		ug/kg	0.98	0.12	1
Dibromochloromethane	ND		ug/kg	0.98	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.98	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	0.98	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	0.98	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	0.16	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	0.98	0.54	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Chloromethane	ND		ug/kg	3.9	0.92	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.98	0.33	1
Chloroethane	ND		ug/kg	2.0	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1
Trichloroethene	ND		ug/kg	0.49	0.14	1

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-04
 Client ID: CONCRETE-10-01-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:10
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.14	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	ND		ug/kg	2.0	0.55	1
o-Xylene	ND		ug/kg	0.98	0.29	1
Xylenes, Total	ND		ug/kg	0.98	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.98	0.14	1
Styrene	ND		ug/kg	0.98	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.90	1
Acetone	ND		ug/kg	9.8	4.7	1
Carbon disulfide	ND		ug/kg	9.8	4.5	1
2-Butanone	ND		ug/kg	9.8	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	1.3	1
2-Hexanone	ND		ug/kg	9.8	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.98	0.28	1
n-Butylbenzene	ND		ug/kg	0.98	0.16	1
sec-Butylbenzene	ND		ug/kg	0.98	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	0.98	1
Isopropylbenzene	ND		ug/kg	0.98	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.11	1
Naphthalene	ND		ug/kg	3.9	0.64	1
n-Propylbenzene	ND		ug/kg	0.98	0.17	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
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
Methyl Acetate	ND		ug/kg	3.9	0.94	1
Cyclohexane	ND		ug/kg	9.8	0.54	1
1,4-Dioxane	ND		ug/kg	79	34.	1
Freon-113	ND		ug/kg	3.9	0.68	1
Methyl cyclohexane	ND		ug/kg	3.9	0.59	1

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-04
 Client ID: CONCRETE-10-01-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:10
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	107		70-130

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-05
 Client ID: CONCRETE-10-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:15
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8260D
 Analytical Date: 08/05/23 16:26
 Analyst: AJK
 Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.86	0.12	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.86	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.86	0.11	1
Dibromochloromethane	ND		ug/kg	0.86	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.86	0.23	1
Tetrachloroethene	ND		ug/kg	0.43	0.17	1
Chlorobenzene	ND		ug/kg	0.43	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.4	0.60	1
1,2-Dichloroethane	ND		ug/kg	0.86	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.43	0.14	1
Bromodichloromethane	ND		ug/kg	0.43	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.86	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.43	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.43	0.14	1
Bromoform	ND		ug/kg	3.4	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.43	0.14	1
Benzene	ND		ug/kg	0.43	0.14	1
Toluene	ND		ug/kg	0.86	0.47	1
Ethylbenzene	ND		ug/kg	0.86	0.12	1
Chloromethane	ND		ug/kg	3.4	0.81	1
Bromomethane	ND		ug/kg	1.7	0.50	1
Vinyl chloride	ND		ug/kg	0.86	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	ND		ug/kg	0.86	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1
Trichloroethene	ND		ug/kg	0.43	0.12	1

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-05
 Client ID: CONCRETE-10-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:15
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
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	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.48	1
o-Xylene	ND		ug/kg	0.86	0.25	1
Xylenes, Total	ND		ug/kg	0.86	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.86	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	0.86	0.12	1
Styrene	ND		ug/kg	0.86	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.6	0.79	1
Acetone	ND		ug/kg	8.6	4.2	1
Carbon disulfide	ND		ug/kg	8.6	3.9	1
2-Butanone	ND		ug/kg	8.6	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.6	1.1	1
2-Hexanone	ND		ug/kg	8.6	1.0	1
Bromochloromethane	ND		ug/kg	1.7	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.86	0.24	1
n-Butylbenzene	ND		ug/kg	0.86	0.14	1
sec-Butylbenzene	ND		ug/kg	0.86	0.13	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.86	1
Isopropylbenzene	ND		ug/kg	0.86	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.86	0.09	1
Naphthalene	ND		ug/kg	3.4	0.56	1
n-Propylbenzene	ND		ug/kg	0.86	0.15	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
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.29	1
Methyl Acetate	ND		ug/kg	3.4	0.82	1
Cyclohexane	ND		ug/kg	8.6	0.47	1
1,4-Dioxane	ND		ug/kg	69	30.	1
Freon-113	ND		ug/kg	3.4	0.60	1
Methyl cyclohexane	ND		ug/kg	3.4	0.52	1

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-05
 Client ID: CONCRETE-10-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:15
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	105		70-130

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-06
 Client ID: CONCRETE-11-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:20
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Solid
 Analytical Method: 1,8260D
 Analytical Date: 08/05/23 16:53
 Analyst: AJK
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - 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
1,3-Dichloropropene, Total	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	0.22	J	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	0.53	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

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-06
 Client ID: CONCRETE-11-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:20
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
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	0.51	1
o-Xylene	ND		ug/kg	0.92	0.27	1
Xylenes, Total	ND		ug/kg	0.92	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.92	0.12	1
Styrene	ND		ug/kg	0.92	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.84	1
Acetone	ND		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
n-Butylbenzene	ND		ug/kg	0.92	0.15	1
sec-Butylbenzene	ND		ug/kg	0.92	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Isopropylbenzene	ND		ug/kg	0.92	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
n-Propylbenzene	ND		ug/kg	0.92	0.16	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
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.31	1
Methyl Acetate	ND		ug/kg	3.7	0.87	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	0.55	1

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-06
 Client ID: CONCRETE-11-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:20
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	107		70-130

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/05/23 11:43
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1812764-5					
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
1,3-Dichloropropene, Total	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

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/05/23 11:43
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1812764-5					
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
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
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
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
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 08/05/23 11:43
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1812764-5					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1812764-3 WG1812764-4								
Methylene chloride	87		85		70-130	2		30
1,1-Dichloroethane	91		91		70-130	0		30
Chloroform	93		91		70-130	2		30
Carbon tetrachloride	79		77		70-130	3		30
1,2-Dichloropropane	92		93		70-130	1		30
Dibromochloromethane	88		87		70-130	1		30
1,1,2-Trichloroethane	87		86		70-130	1		30
Tetrachloroethene	81		80		70-130	1		30
Chlorobenzene	88		88		70-130	0		30
Trichlorofluoromethane	76		73		70-139	4		30
1,2-Dichloroethane	95		94		70-130	1		30
1,1,1-Trichloroethane	88		87		70-130	1		30
Bromodichloromethane	93		93		70-130	0		30
trans-1,3-Dichloropropene	89		89		70-130	0		30
cis-1,3-Dichloropropene	94		93		70-130	1		30
Bromoform	79		75		70-130	5		30
1,1,2,2-Tetrachloroethane	89		84		70-130	6		30
Benzene	88		88		70-130	0		30
Toluene	82		83		70-130	1		30
Ethylbenzene	82		83		70-130	1		30
Chloromethane	89		86		52-130	3		30
Bromomethane	114		112		57-147	2		30
Vinyl chloride	79		78		67-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1812764-3 WG1812764-4								
Chloroethane	84		82		50-151	2		30
1,1-Dichloroethene	79		77		65-135	3		30
trans-1,2-Dichloroethene	86		84		70-130	2		30
Trichloroethene	87		86		70-130	1		30
1,2-Dichlorobenzene	88		85		70-130	3		30
1,3-Dichlorobenzene	87		85		70-130	2		30
1,4-Dichlorobenzene	86		85		70-130	1		30
Methyl tert butyl ether	89		84		66-130	6		30
p/m-Xylene	83		83		70-130	0		30
o-Xylene	86		86		70-130	0		30
cis-1,2-Dichloroethene	90		89		70-130	1		30
Styrene	84		84		70-130	0		30
Dichlorodifluoromethane	69		66		30-146	4		30
Acetone	80		68		54-140	16		30
Carbon disulfide	75		73		59-130	3		30
2-Butanone	81		70		70-130	15		30
4-Methyl-2-pentanone	80		73		70-130	9		30
2-Hexanone	72		68	Q	70-130	6		30
Bromochloromethane	92		91		70-130	1		30
1,2-Dibromoethane	90		88		70-130	2		30
n-Butylbenzene	86		84		70-130	2		30
sec-Butylbenzene	81		80		70-130	1		30
tert-Butylbenzene	81		80		70-130	1		30

Lab Control Sample Analysis Batch Quality Control

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Parameter	LCS		LCSD		%Recovery		RPD	RPD	
	%Recovery	Qual	%Recovery	Qual	Limits	Qual		Limits	
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1812764-3 WG1812764-4									
1,2-Dibromo-3-chloropropane	73		68		68-130		7		30
Isopropylbenzene	82		80		70-130		2		30
p-Isopropyltoluene	83		82		70-130		1		30
Naphthalene	82		77		70-130		6		30
n-Propylbenzene	84		83		70-130		1		30
1,2,3-Trichlorobenzene	81		80		70-130		1		30
1,2,4-Trichlorobenzene	85		80		70-130		6		30
1,3,5-Trimethylbenzene	85		84		70-130		1		30
1,2,4-Trimethylbenzene	86		86		70-130		0		30
Methyl Acetate	83		75		51-146		10		30
Cyclohexane	73		72		59-142		1		30
1,4-Dioxane	100		85		65-136		16		30
Freon-113	73		71		50-139		3		30
Methyl cyclohexane	65	Q	64	Q	70-130		2		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	105		105		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	105		103		70-130

SEMIVOLATILES

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-01
 Client ID: CONCRETE-3 TO 6-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 15:55
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8270E
 Analytical Date: 08/06/23 23:44
 Analyst: CMM
 Percent Solids: 96%

Extraction Method: EPA 3540C
 Extraction Date: 08/01/23 11:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	990		ug/kg	130	13.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	17.	1
Hexachlorobenzene	ND		ug/kg	100	17.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	21.	1
2-Chloronaphthalene	ND		ug/kg	170	10.	1
1,2-Dichlorobenzene	ND		ug/kg	170	22.	1
1,3-Dichlorobenzene	ND		ug/kg	170	27.	1
1,4-Dichlorobenzene	ND		ug/kg	170	24.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	43.	1
2,4-Dinitrotoluene	ND		ug/kg	170	17.	1
2,6-Dinitrotoluene	ND		ug/kg	170	36.	1
Fluoranthene	38000	E	ug/kg	100	9.8	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	16.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	18.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	25.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	170	20.	1
Hexachlorobutadiene	ND		ug/kg	170	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	470	17.	1
Hexachloroethane	ND		ug/kg	130	23.	1
Isophorone	ND		ug/kg	170	21.	1
Naphthalene	9200	E	ug/kg	170	17.	1
Nitrobenzene	ND		ug/kg	170	16.	1
NDPA/DPA	ND		ug/kg	130	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	35.	1
Butyl benzyl phthalate	ND		ug/kg	170	36.	1
Di-n-butylphthalate	ND		ug/kg	170	38.	1
Di-n-octylphthalate	ND		ug/kg	170	29.	1

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-01
 Client ID: CONCRETE-3 TO 6-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 15:55
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	14.	1
Dimethyl phthalate	ND		ug/kg	170	9.6	1
Benzo(a)anthracene	19000	E	ug/kg	100	22.	1
Benzo(a)pyrene	22000	E	ug/kg	130	18.	1
Benzo(b)fluoranthene	26000	E	ug/kg	100	13.	1
Benzo(k)fluoranthene	7800	E	ug/kg	100	14.	1
Chrysene	26000	E	ug/kg	100	26.	1
Acenaphthylene	9400	E	ug/kg	130	17.	1
Anthracene	27000	E	ug/kg	100	22.	1
Benzo(ghi)perylene	15000	E	ug/kg	130	12.	1
Fluorene	10000	E	ug/kg	170	12.	1
Phenanthrene	37000	E	ug/kg	100	30.	1
Dibenzo(a,h)anthracene	3100		ug/kg	100	13.	1
Indeno(1,2,3-cd)pyrene	18000	E	ug/kg	130	14.	1
Pyrene	33000	E	ug/kg	100	27.	1
Biphenyl	1000		ug/kg	370	13.	1
4-Chloroaniline	ND		ug/kg	170	43.	1
2-Nitroaniline	ND		ug/kg	170	23.	1
3-Nitroaniline	ND		ug/kg	170	21.	1
4-Nitroaniline	ND		ug/kg	170	30.	1
Dibenzofuran	4600		ug/kg	170	12.	1
2-Methylnaphthalene	3700		ug/kg	200	19.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	11.	1
Acetophenone	ND		ug/kg	170	35.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	29.	1
p-Chloro-m-cresol	ND		ug/kg	170	34.	1
2-Chlorophenol	ND		ug/kg	170	29.	1
2,4-Dichlorophenol	ND		ug/kg	170	24.	1
2,4-Dimethylphenol	19	J	ug/kg	170	11.	1
2-Nitrophenol	ND		ug/kg	370	24.	1
4-Nitrophenol	ND		ug/kg	240	42.	1
2,4-Dinitrophenol	ND		ug/kg	810	30.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	20.	1
Pentachlorophenol	ND		ug/kg	130	28.	1
Phenol	64	J	ug/kg	170	19.	1
2-Methylphenol	ND		ug/kg	170	49.	1
3-Methylphenol/4-Methylphenol	76	J	ug/kg	240	37.	1

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-01
 Client ID: CONCRETE-3 TO 6-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 15:55
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	22.	1
Benzoic Acid	ND		ug/kg	540	43.	1
Benzyl Alcohol	ND		ug/kg	170	35.	1
Carbazole	12000	E	ug/kg	170	11.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		31-118
Phenol-d6	79		37-126
Nitrobenzene-d5	87		29-137
2-Fluorobiphenyl	71		38-127
2,4,6-Tribromophenol	60		40-130
4-Terphenyl-d14	68		36-137

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-01 D
 Client ID: CONCRETE-3 TO 6-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 15:55
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8270E
 Analytical Date: 08/07/23 16:19
 Analyst: MG
 Percent Solids: 96%

Extraction Method: EPA 3540C
 Extraction Date: 08/01/23 11:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	64000		ug/kg	2500	250	25
Naphthalene	10000		ug/kg	4200	420	25
Benzo(a)anthracene	22000		ug/kg	2500	560	25
Benzo(a)pyrene	24000		ug/kg	3400	450	25
Benzo(b)fluoranthene	30000		ug/kg	2500	330	25
Benzo(k)fluoranthene	7900		ug/kg	2500	350	25
Chrysene	31000		ug/kg	2500	640	25
Acenaphthylene	10000		ug/kg	3400	420	25
Anthracene	39000		ug/kg	2500	560	25
Benzo(ghi)perylene	17000		ug/kg	3400	310	25
Fluorene	12000		ug/kg	4200	290	25
Phenanthrene	63000		ug/kg	2500	760	25
Indeno(1,2,3-cd)pyrene	20000		ug/kg	3400	360	25
Pyrene	48000		ug/kg	2500	670	25
Carbazole	14000		ug/kg	4200	280	25

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-02
 Client ID: CONCRETE-08-01-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:00
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8270E
 Analytical Date: 08/07/23 00:07
 Analyst: CMM
 Percent Solids: 93%

Extraction Method: EPA 3540C
 Extraction Date: 08/01/23 11:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	140		ug/kg	140	14.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	17.	1
Hexachlorobenzene	ND		ug/kg	100	17.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	22.	1
2-Chloronaphthalene	ND		ug/kg	180	10.	1
1,2-Dichlorobenzene	ND		ug/kg	180	23.	1
1,3-Dichlorobenzene	ND		ug/kg	180	28.	1
1,4-Dichlorobenzene	ND		ug/kg	180	25.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	45.	1
2,4-Dinitrotoluene	ND		ug/kg	180	18.	1
2,6-Dinitrotoluene	ND		ug/kg	180	38.	1
Fluoranthene	4000		ug/kg	100	10.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	16.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	19.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	26.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	22.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	17.	1
Hexachloroethane	ND		ug/kg	140	24.	1
Isophorone	ND		ug/kg	180	22.	1
Naphthalene	2500		ug/kg	180	17.	1
Nitrobenzene	ND		ug/kg	180	16.	1
NDPA/DPA	ND		ug/kg	140	26.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	36.	1
Butyl benzyl phthalate	ND		ug/kg	180	38.	1
Di-n-butylphthalate	ND		ug/kg	180	39.	1
Di-n-octylphthalate	ND		ug/kg	180	30.	1

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-02
 Client ID: CONCRETE-08-01-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:00
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	14.	1
Dimethyl phthalate	ND		ug/kg	180	10.	1
Benzo(a)anthracene	1800		ug/kg	100	24.	1
Benzo(a)pyrene	1900		ug/kg	140	19.	1
Benzo(b)fluoranthene	2700		ug/kg	100	14.	1
Benzo(k)fluoranthene	860		ug/kg	100	15.	1
Chrysene	2200		ug/kg	100	27.	1
Acenaphthylene	520		ug/kg	140	17.	1
Anthracene	780		ug/kg	100	23.	1
Benzo(ghi)perylene	1400		ug/kg	140	13.	1
Fluorene	520		ug/kg	180	12.	1
Phenanthrene	2900		ug/kg	100	32.	1
Dibenzo(a,h)anthracene	340		ug/kg	100	14.	1
Indeno(1,2,3-cd)pyrene	1800		ug/kg	140	15.	1
Pyrene	2900		ug/kg	100	28.	1
Biphenyl	120	J	ug/kg	390	13.	1
4-Chloroaniline	ND		ug/kg	180	45.	1
2-Nitroaniline	ND		ug/kg	180	24.	1
3-Nitroaniline	ND		ug/kg	180	22.	1
4-Nitroaniline	ND		ug/kg	180	31.	1
Dibenzofuran	440		ug/kg	180	12.	1
2-Methylnaphthalene	460		ug/kg	210	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	12.	1
Acetophenone	ND		ug/kg	180	36.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	31.	1
p-Chloro-m-cresol	ND		ug/kg	180	35.	1
2-Chlorophenol	ND		ug/kg	180	30.	1
2,4-Dichlorophenol	ND		ug/kg	180	24.	1
2,4-Dimethylphenol	ND		ug/kg	180	11.	1
2-Nitrophenol	ND		ug/kg	390	25.	1
4-Nitrophenol	ND		ug/kg	250	44.	1
2,4-Dinitrophenol	ND		ug/kg	850	32.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	21.	1
Pentachlorophenol	ND		ug/kg	140	29.	1
Phenol	37	J	ug/kg	180	20.	1
2-Methylphenol	ND		ug/kg	180	51.	1
3-Methylphenol/4-Methylphenol	41	J	ug/kg	250	38.	1

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-02
 Client ID: CONCRETE-08-01-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:00
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	23.	1
Benzoic Acid	ND		ug/kg	560	45.	1
Benzyl Alcohol	ND		ug/kg	180	37.	1
Carbazole	370		ug/kg	180	12.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		31-118
Phenol-d6	79		37-126
Nitrobenzene-d5	85		29-137
2-Fluorobiphenyl	71		38-127
2,4,6-Tribromophenol	38	Q	40-130
4-Terphenyl-d14	68		36-137

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-03
 Client ID: CONCRETE-08-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:05
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8270E
 Analytical Date: 08/07/23 00:31
 Analyst: CMM
 Percent Solids: 94%

Extraction Method: EPA 3540C
 Extraction Date: 08/01/23 11:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	160		ug/kg	140	13.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	17.	1
Hexachlorobenzene	ND		ug/kg	100	17.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	21.	1
2-Chloronaphthalene	ND		ug/kg	170	10.	1
1,2-Dichlorobenzene	ND		ug/kg	170	22.	1
1,3-Dichlorobenzene	ND		ug/kg	170	28.	1
1,4-Dichlorobenzene	ND		ug/kg	170	24.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.	1
2,4-Dinitrotoluene	ND		ug/kg	170	17.	1
2,6-Dinitrotoluene	ND		ug/kg	170	37.	1
Fluoranthene	6900		ug/kg	100	10.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	16.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	19.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	25.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	170	21.	1
Hexachlorobutadiene	ND		ug/kg	170	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	17.	1
Hexachloroethane	ND		ug/kg	140	23.	1
Isophorone	ND		ug/kg	170	21.	1
Naphthalene	2900		ug/kg	170	17.	1
Nitrobenzene	ND		ug/kg	170	16.	1
NDPA/DPA	ND		ug/kg	140	26.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	36.	1
Butyl benzyl phthalate	ND		ug/kg	170	37.	1
Di-n-butylphthalate	ND		ug/kg	170	39.	1
Di-n-octylphthalate	ND		ug/kg	170	30.	1

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-03
 Client ID: CONCRETE-08-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:05
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	14.	1
Dimethyl phthalate	ND		ug/kg	170	9.9	1
Benzo(a)anthracene	2900		ug/kg	100	23.	1
Benzo(a)pyrene	3000		ug/kg	140	18.	1
Benzo(b)fluoranthene	4000		ug/kg	100	14.	1
Benzo(k)fluoranthene	1300		ug/kg	100	14.	1
Chrysene	3200		ug/kg	100	26.	1
Acenaphthylene	870		ug/kg	140	17.	1
Anthracene	1300		ug/kg	100	23.	1
Benzo(ghi)perylene	2000		ug/kg	140	13.	1
Fluorene	890		ug/kg	170	12.	1
Phenanthrene	5300		ug/kg	100	31.	1
Dibenzo(a,h)anthracene	490		ug/kg	100	14.	1
Indeno(1,2,3-cd)pyrene	2500		ug/kg	140	15.	1
Pyrene	4800		ug/kg	100	28.	1
Biphenyl	140	J	ug/kg	380	13.	1
4-Chloroaniline	ND		ug/kg	170	44.	1
2-Nitroaniline	ND		ug/kg	170	24.	1
3-Nitroaniline	ND		ug/kg	170	22.	1
4-Nitroaniline	ND		ug/kg	170	31.	1
Dibenzofuran	570		ug/kg	170	12.	1
2-Methylnaphthalene	520		ug/kg	210	19.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	12.	1
Acetophenone	ND		ug/kg	170	36.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	30.	1
p-Chloro-m-cresol	ND		ug/kg	170	35.	1
2-Chlorophenol	ND		ug/kg	170	30.	1
2,4-Dichlorophenol	ND		ug/kg	170	24.	1
2,4-Dimethylphenol	ND		ug/kg	170	11.	1
2-Nitrophenol	ND		ug/kg	380	25.	1
4-Nitrophenol	ND		ug/kg	240	43.	1
2,4-Dinitrophenol	ND		ug/kg	830	31.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	21.	1
Pentachlorophenol	ND		ug/kg	140	28.	1
Phenol	53	J	ug/kg	170	20.	1
2-Methylphenol	ND		ug/kg	170	50.	1
3-Methylphenol/4-Methylphenol	58	J	ug/kg	240	38.	1

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-03
 Client ID: CONCRETE-08-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:05
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	22.	1
Benzoic Acid	ND		ug/kg	550	44.	1
Benzyl Alcohol	ND		ug/kg	170	36.	1
Carbazole	720		ug/kg	170	11.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		31-118
Phenol-d6	85		37-126
Nitrobenzene-d5	95		29-137
2-Fluorobiphenyl	79		38-127
2,4,6-Tribromophenol	47		40-130
4-Terphenyl-d14	76		36-137

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-04
 Client ID: CONCRETE-10-01-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:10
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8270E
 Analytical Date: 08/06/23 22:33
 Analyst: CMM
 Percent Solids: 97%

Extraction Method: EPA 3540C
 Extraction Date: 08/01/23 11:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	180		ug/kg	140	13.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	17.	1
Hexachlorobenzene	ND		ug/kg	100	17.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	21.	1
2-Chloronaphthalene	ND		ug/kg	170	10.	1
1,2-Dichlorobenzene	ND		ug/kg	170	22.	1
1,3-Dichlorobenzene	ND		ug/kg	170	27.	1
1,4-Dichlorobenzene	ND		ug/kg	170	24.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.	1
2,4-Dinitrotoluene	ND		ug/kg	170	17.	1
2,6-Dinitrotoluene	ND		ug/kg	170	37.	1
Fluoranthene	13000	E	ug/kg	100	9.9	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	16.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	19.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	25.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	170	21.	1
Hexachlorobutadiene	ND		ug/kg	170	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	17.	1
Hexachloroethane	ND		ug/kg	140	23.	1
Isophorone	ND		ug/kg	170	21.	1
Naphthalene	1600		ug/kg	170	17.	1
Nitrobenzene	ND		ug/kg	170	16.	1
NDPA/DPA	ND		ug/kg	140	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	30.	1
Bis(2-ethylhexyl)phthalate	560		ug/kg	170	35.	1
Butyl benzyl phthalate	ND		ug/kg	170	37.	1
Di-n-butylphthalate	ND		ug/kg	170	38.	1
Di-n-octylphthalate	ND		ug/kg	170	29.	1

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-04
 Client ID: CONCRETE-10-01-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:10
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	14.	1
Dimethyl phthalate	ND		ug/kg	170	9.7	1
Benzo(a)anthracene	5100		ug/kg	100	23.	1
Benzo(a)pyrene	3800		ug/kg	140	18.	1
Benzo(b)fluoranthene	5700		ug/kg	100	13.	1
Benzo(k)fluoranthene	2000		ug/kg	100	14.	1
Chrysene	5800		ug/kg	100	26.	1
Acenaphthylene	690		ug/kg	140	17.	1
Anthracene	3600		ug/kg	100	23.	1
Benzo(ghi)perylene	2300		ug/kg	140	12.	1
Fluorene	610		ug/kg	170	12.	1
Phenanthrene	3600		ug/kg	100	30.	1
Dibenzo(a,h)anthracene	620		ug/kg	100	14.	1
Indeno(1,2,3-cd)pyrene	3000		ug/kg	140	14.	1
Pyrene	9500	E	ug/kg	100	27.	1
Biphenyl	140	J	ug/kg	370	13.	1
4-Chloroaniline	ND		ug/kg	170	43.	1
2-Nitroaniline	ND		ug/kg	170	24.	1
3-Nitroaniline	ND		ug/kg	170	21.	1
4-Nitroaniline	ND		ug/kg	170	30.	1
Dibenzofuran	580		ug/kg	170	12.	1
2-Methylnaphthalene	550		ug/kg	200	19.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	11.	1
Acetophenone	ND		ug/kg	170	35.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	30.	1
p-Chloro-m-cresol	ND		ug/kg	170	34.	1
2-Chlorophenol	ND		ug/kg	170	29.	1
2,4-Dichlorophenol	ND		ug/kg	170	24.	1
2,4-Dimethylphenol	21	J	ug/kg	170	11.	1
2-Nitrophenol	ND		ug/kg	370	24.	1
4-Nitrophenol	ND		ug/kg	240	42.	1
2,4-Dinitrophenol	ND		ug/kg	820	31.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	20.	1
Pentachlorophenol	ND		ug/kg	140	28.	1
Phenol	59	J	ug/kg	170	20.	1
2-Methylphenol	ND		ug/kg	170	50.	1
3-Methylphenol/4-Methylphenol	80	J	ug/kg	240	37.	1

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-04
 Client ID: CONCRETE-10-01-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:10
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	22.	1
Benzoic Acid	ND		ug/kg	540	43.	1
Benzyl Alcohol	ND		ug/kg	170	36.	1
Carbazole	850		ug/kg	170	11.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		31-118
Phenol-d6	79		37-126
Nitrobenzene-d5	83		29-137
2-Fluorobiphenyl	70		38-127
2,4,6-Tribromophenol	66		40-130
4-Terphenyl-d14	71		36-137

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-04 D
 Client ID: CONCRETE-10-01-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:10
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8270E
 Analytical Date: 08/07/23 16:43
 Analyst: MG
 Percent Solids: 97%

Extraction Method: EPA 3540C
 Extraction Date: 08/01/23 11:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	16000		ug/kg	510	50.	5
Pyrene	11000		ug/kg	510	140	5

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-05
 Client ID: CONCRETE-10-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:15
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8270E
 Analytical Date: 08/06/23 22:57
 Analyst: CMM
 Percent Solids: 97%

Extraction Method: EPA 3540C
 Extraction Date: 08/01/23 11:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	60	J	ug/kg	140	13.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	17.	1
Hexachlorobenzene	ND		ug/kg	100	17.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	21.	1
2-Chloronaphthalene	ND		ug/kg	170	10.	1
1,2-Dichlorobenzene	ND		ug/kg	170	22.	1
1,3-Dichlorobenzene	ND		ug/kg	170	27.	1
1,4-Dichlorobenzene	ND		ug/kg	170	24.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.	1
2,4-Dinitrotoluene	ND		ug/kg	170	17.	1
2,6-Dinitrotoluene	ND		ug/kg	170	37.	1
Fluoranthene	1500		ug/kg	100	10.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	16.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	19.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	25.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	170	21.	1
Hexachlorobutadiene	ND		ug/kg	170	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	17.	1
Hexachloroethane	ND		ug/kg	140	23.	1
Isophorone	ND		ug/kg	170	21.	1
Naphthalene	740		ug/kg	170	17.	1
Nitrobenzene	ND		ug/kg	170	16.	1
NDPA/DPA	ND		ug/kg	140	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	30.	1
Bis(2-ethylhexyl)phthalate	99	J	ug/kg	170	35.	1
Butyl benzyl phthalate	ND		ug/kg	170	37.	1
Di-n-butylphthalate	ND		ug/kg	170	38.	1
Di-n-octylphthalate	ND		ug/kg	170	29.	1

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-05
 Client ID: CONCRETE-10-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:15
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	14.	1
Dimethyl phthalate	ND		ug/kg	170	9.7	1
Benzo(a)anthracene	660		ug/kg	100	23.	1
Benzo(a)pyrene	770		ug/kg	140	18.	1
Benzo(b)fluoranthene	1100		ug/kg	100	13.	1
Benzo(k)fluoranthene	370		ug/kg	100	14.	1
Chrysene	830		ug/kg	100	26.	1
Acenaphthylene	140		ug/kg	140	17.	1
Anthracene	250		ug/kg	100	23.	1
Benzo(ghi)perylene	610		ug/kg	140	12.	1
Fluorene	170		ug/kg	170	12.	1
Phenanthrene	1000		ug/kg	100	30.	1
Dibenzo(a,h)anthracene	130		ug/kg	100	14.	1
Indeno(1,2,3-cd)pyrene	730		ug/kg	140	14.	1
Pyrene	1100		ug/kg	100	27.	1
Biphenyl	62	J	ug/kg	370	13.	1
4-Chloroaniline	ND		ug/kg	170	43.	1
2-Nitroaniline	ND		ug/kg	170	24.	1
3-Nitroaniline	ND		ug/kg	170	21.	1
4-Nitroaniline	ND		ug/kg	170	30.	1
Dibenzofuran	220		ug/kg	170	12.	1
2-Methylnaphthalene	250		ug/kg	200	19.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	11.	1
Acetophenone	ND		ug/kg	170	35.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	30.	1
p-Chloro-m-cresol	ND		ug/kg	170	34.	1
2-Chlorophenol	ND		ug/kg	170	29.	1
2,4-Dichlorophenol	ND		ug/kg	170	24.	1
2,4-Dimethylphenol	ND		ug/kg	170	11.	1
2-Nitrophenol	ND		ug/kg	370	24.	1
4-Nitrophenol	ND		ug/kg	240	42.	1
2,4-Dinitrophenol	ND		ug/kg	820	31.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	20.	1
Pentachlorophenol	ND		ug/kg	140	28.	1
Phenol	ND		ug/kg	170	20.	1
2-Methylphenol	ND		ug/kg	170	50.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	37.	1

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-05
 Client ID: CONCRETE-10-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:15
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	22.	1
Benzoic Acid	ND		ug/kg	540	43.	1
Benzyl Alcohol	ND		ug/kg	170	36.	1
Carbazole	120	J	ug/kg	170	11.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		31-118
Phenol-d6	78		37-126
Nitrobenzene-d5	85		29-137
2-Fluorobiphenyl	70		38-127
2,4,6-Tribromophenol	64		40-130
4-Terphenyl-d14	68		36-137

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-06
 Client ID: CONCRETE-11-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:20
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8270E
 Analytical Date: 08/06/23 23:20
 Analyst: CMM
 Percent Solids: 93%

Extraction Method: EPA 3540C
 Extraction Date: 08/01/23 11:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	230		ug/kg	140	14.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	18.	1
Hexachlorobenzene	ND		ug/kg	110	18.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	22.	1
2-Chloronaphthalene	ND		ug/kg	180	11.	1
1,2-Dichlorobenzene	ND		ug/kg	180	23.	1
1,3-Dichlorobenzene	ND		ug/kg	180	28.	1
1,4-Dichlorobenzene	ND		ug/kg	180	25.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	46.	1
2,4-Dinitrotoluene	ND		ug/kg	180	18.	1
2,6-Dinitrotoluene	ND		ug/kg	180	38.	1
Fluoranthene	6100		ug/kg	110	10.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	16.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	20.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	26.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	22.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	18.	1
Hexachloroethane	ND		ug/kg	140	24.	1
Isophorone	ND		ug/kg	180	22.	1
Naphthalene	3500		ug/kg	180	18.	1
Nitrobenzene	ND		ug/kg	180	16.	1
NDPA/DPA	ND		ug/kg	140	26.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	32.	1
Bis(2-ethylhexyl)phthalate	110	J	ug/kg	180	37.	1
Butyl benzyl phthalate	ND		ug/kg	180	38.	1
Di-n-butylphthalate	ND		ug/kg	180	40.	1
Di-n-octylphthalate	ND		ug/kg	180	30.	1

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-06
 Client ID: CONCRETE-11-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:20
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	14.	1
Dimethyl phthalate	ND		ug/kg	180	10.	1
Benzo(a)anthracene	2600		ug/kg	110	24.	1
Benzo(a)pyrene	3000		ug/kg	140	19.	1
Benzo(b)fluoranthene	3800		ug/kg	110	14.	1
Benzo(k)fluoranthene	1100		ug/kg	110	15.	1
Chrysene	2700		ug/kg	110	27.	1
Acenaphthylene	570		ug/kg	140	18.	1
Anthracene	1000		ug/kg	110	24.	1
Benzo(ghi)perylene	2000		ug/kg	140	13.	1
Fluorene	880		ug/kg	180	12.	1
Phenanthrene	4600		ug/kg	110	32.	1
Dibenzo(a,h)anthracene	420		ug/kg	110	14.	1
Indeno(1,2,3-cd)pyrene	2400		ug/kg	140	15.	1
Pyrene	4600		ug/kg	110	28.	1
Biphenyl	140	J	ug/kg	390	13.	1
4-Chloroaniline	ND		ug/kg	180	45.	1
2-Nitroaniline	ND		ug/kg	180	25.	1
3-Nitroaniline	ND		ug/kg	180	22.	1
4-Nitroaniline	ND		ug/kg	180	32.	1
Dibenzofuran	560		ug/kg	180	12.	1
2-Methylnaphthalene	590		ug/kg	210	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	12.	1
Acetophenone	ND		ug/kg	180	37.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	31.	1
p-Chloro-m-cresol	ND		ug/kg	180	36.	1
2-Chlorophenol	ND		ug/kg	180	30.	1
2,4-Dichlorophenol	ND		ug/kg	180	25.	1
2,4-Dimethylphenol	ND		ug/kg	180	11.	1
2-Nitrophenol	ND		ug/kg	390	26.	1
4-Nitrophenol	ND		ug/kg	250	44.	1
2,4-Dinitrophenol	ND		ug/kg	860	32.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	21.	1
Pentachlorophenol	ND		ug/kg	140	29.	1
Phenol	110	J	ug/kg	180	20.	1
2-Methylphenol	ND		ug/kg	180	52.	1
3-Methylphenol/4-Methylphenol	64	J	ug/kg	250	39.	1

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-06
 Client ID: CONCRETE-11-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:20
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	23.	1
Benzoic Acid	ND		ug/kg	570	45.	1
Benzyl Alcohol	ND		ug/kg	180	37.	1
Carbazole	500		ug/kg	180	12.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		31-118
Phenol-d6	89		37-126
Nitrobenzene-d5	98		29-137
2-Fluorobiphenyl	80		38-127
2,4,6-Tribromophenol	69		40-130
4-Terphenyl-d14	77		36-137

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270E
Analytical Date: 08/06/23 20:13
Analyst: CMM

Extraction Method: EPA 3540C
Extraction Date: 08/01/23 11:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1810297-1					
Acenaphthene	ND		ug/kg	130	12.
1,2,4-Trichlorobenzene	ND		ug/kg	160	16.
Hexachlorobenzene	ND		ug/kg	98	16.
Bis(2-chloroethyl)ether	ND		ug/kg	160	20.
2-Chloronaphthalene	ND		ug/kg	160	9.8
1,2-Dichlorobenzene	ND		ug/kg	160	21.
1,3-Dichlorobenzene	ND		ug/kg	160	26.
1,4-Dichlorobenzene	ND		ug/kg	160	23.
3,3'-Dichlorobenzidine	ND		ug/kg	160	42.
2,4-Dinitrotoluene	ND		ug/kg	160	16.
2,6-Dinitrotoluene	ND		ug/kg	160	35.
Fluoranthene	ND		ug/kg	98	9.6
4-Chlorophenyl phenyl ether	ND		ug/kg	160	15.
4-Bromophenyl phenyl ether	ND		ug/kg	160	18.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	24.
Bis(2-chloroethoxy)methane	ND		ug/kg	160	20.
Hexachlorobutadiene	ND		ug/kg	160	25.
Hexachlorocyclopentadiene	ND		ug/kg	460	16.
Hexachloroethane	ND		ug/kg	130	22.
Isophorone	ND		ug/kg	160	20.
Naphthalene	ND		ug/kg	160	16.
Nitrobenzene	ND		ug/kg	160	15.
NDPA/DPA	ND		ug/kg	130	24.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	29.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	34.
Butyl benzyl phthalate	ND		ug/kg	160	35.
Di-n-butylphthalate	ND		ug/kg	160	36.
Di-n-octylphthalate	ND		ug/kg	160	28.
Diethyl phthalate	ND		ug/kg	160	13.

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/06/23 20:13
Analyst: CMM

Extraction Method: EPA 3540C
Extraction Date: 08/01/23 11:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1810297-1					
Dimethyl phthalate	ND		ug/kg	160	9.4
Benzo(a)anthracene	ND		ug/kg	98	22.
Benzo(a)pyrene	ND		ug/kg	130	17.
Benzo(b)fluoranthene	ND		ug/kg	98	13.
Benzo(k)fluoranthene	ND		ug/kg	98	14.
Chrysene	ND		ug/kg	98	25.
Acenaphthylene	ND		ug/kg	130	16.
Anthracene	ND		ug/kg	98	22.
Benzo(ghi)perylene	ND		ug/kg	130	12.
Fluorene	ND		ug/kg	160	11.
Phenanthrene	ND		ug/kg	98	29.
Dibenzo(a,h)anthracene	ND		ug/kg	98	13.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	14.
Pyrene	ND		ug/kg	98	26.
Biphenyl	ND		ug/kg	360	12.
4-Chloroaniline	ND		ug/kg	160	42.
2-Nitroaniline	ND		ug/kg	160	23.
3-Nitroaniline	ND		ug/kg	160	21.
4-Nitroaniline	ND		ug/kg	160	29.
Dibenzofuran	ND		ug/kg	160	11.
2-Methylnaphthalene	ND		ug/kg	200	18.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	11.
Acetophenone	ND		ug/kg	160	34.
2,4,6-Trichlorophenol	ND		ug/kg	98	29.
p-Chloro-m-cresol	ND		ug/kg	160	33.
2-Chlorophenol	ND		ug/kg	160	28.
2,4-Dichlorophenol	ND		ug/kg	160	23.
2,4-Dimethylphenol	ND		ug/kg	160	10.
2-Nitrophenol	ND		ug/kg	360	23.

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270E
Analytical Date: 08/06/23 20:13
Analyst: CMM

Extraction Method: EPA 3540C
Extraction Date: 08/01/23 11:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1810297-1					
4-Nitrophenol	ND		ug/kg	230	41.
2,4-Dinitrophenol	ND		ug/kg	790	30.
4,6-Dinitro-o-cresol	ND		ug/kg	430	20.
Pentachlorophenol	ND		ug/kg	130	27.
Phenol	ND		ug/kg	160	19.
2-Methylphenol	ND		ug/kg	160	48.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	36.
2,4,5-Trichlorophenol	ND		ug/kg	160	21.
Benzoic Acid	ND		ug/kg	520	42.
Benzyl Alcohol	ND		ug/kg	160	34.
Carbazole	ND		ug/kg	160	11.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		31-118
Phenol-d6	70		37-126
Nitrobenzene-d5	72		29-137
2-Fluorobiphenyl	60		38-127
2,4,6-Tribromophenol	53		40-130
4-Terphenyl-d14	59		36-137

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1810297-2 WG1810297-3								
Acenaphthene	69		67		42-111	3		50
1,2,4-Trichlorobenzene	69		68		42-103	1		50
Hexachlorobenzene	65		64		40-140	2		50
Bis(2-chloroethyl)ether	76		74		34-98	3		50
2-Chloronaphthalene	69		68		40-140	1		50
1,2-Dichlorobenzene	65		64		36-95	2		50
1,3-Dichlorobenzene	62		63		34-94	2		50
1,4-Dichlorobenzene	63		63		34-93	0		50
3,3'-Dichlorobenzidine	60		62		28-106	3		50
2,4-Dinitrotoluene	78		76		42-129	3		50
2,6-Dinitrotoluene	76		75		34-135	1		50
Fluoranthene	72		70		40-140	3		50
4-Chlorophenyl phenyl ether	71		69		40-140	3		50
4-Bromophenyl phenyl ether	71		68		40-140	4		50
Bis(2-chloroisopropyl)ether	65		64		12-107	2		50
Bis(2-chloroethoxy)methane	84		82		32-111	2		50
Hexachlorobutadiene	65		64		40-140	2		50
Hexachlorocyclopentadiene	66		66		40-140	0		50
Hexachloroethane	68		69		32-97	1		50
Isophorone	85		83		33-115	2		50
Naphthalene	68		67		37-106	1		50
Nitrobenzene	87		84		32-118	4		50
NDPA/DPA	72		70		40-140	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1810297-2 WG1810297-3								
n-Nitrosodi-n-propylamine	90		88		40-140	2		50
Bis(2-ethylhexyl)phthalate	84		74		40-140	13		50
Butyl benzyl phthalate	74		73		35-139	1		50
Di-n-butylphthalate	80		80		40-140	0		50
Di-n-octylphthalate	72		73		40-140	1		50
Diethyl phthalate	75		73		40-140	3		50
Dimethyl phthalate	72		72		40-140	0		50
Benzo(a)anthracene	73		72		40-140	1		50
Benzo(a)pyrene	81		80		40-140	1		50
Benzo(b)fluoranthene	73		74		40-140	1		50
Benzo(k)fluoranthene	74		71		40-140	4		50
Chrysene	70		69		40-140	1		50
Acenaphthylene	78		77		40-140	1		50
Anthracene	72		70		40-140	3		50
Benzo(ghi)perylene	76		75		40-140	1		50
Fluorene	73		71		40-140	3		50
Phenanthrene	70		67		40-140	4		50
Dibenzo(a,h)anthracene	73		72		40-140	1		50
Indeno(1,2,3-cd)pyrene	83		82		34-138	1		50
Pyrene	72		69		40-125	4		50
Biphenyl	72		72		37-127	0		50
4-Chloroaniline	71		70		15-137	1		50
2-Nitroaniline	78		76		40-140	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1810297-2 WG1810297-3								
3-Nitroaniline	68		68		26-129	0		50
4-Nitroaniline	76		74		41-125	3		50
Dibenzofuran	70		69		40-140	1		50
2-Methylnaphthalene	72		70		40-140	3		50
1,2,4,5-Tetrachlorobenzene	75		73		40-140	3		50
Acetophenone	79		78		40-140	1		50
2,4,6-Trichlorophenol	82		81		30-130	1		50
p-Chloro-m-cresol	81		80		40-140	1		50
2-Chlorophenol	73		72		37-112	1		50
2,4-Dichlorophenol	78		75		30-130	4		50
2,4-Dimethylphenol	74		71		30-130	4		50
2-Nitrophenol	86		86		30-130	0		50
4-Nitrophenol	90		87		39-161	3		50
2,4-Dinitrophenol	17		18		10-155	6		50
4,6-Dinitro-o-cresol	48		51		30-130	6		50
Pentachlorophenol	62		60		36-121	3		50
Phenol	79		76		36-117	4		50
2-Methylphenol	78		76		30-130	3		50
3-Methylphenol/4-Methylphenol	80		79		30-130	1		50
2,4,5-Trichlorophenol	77		77		30-130	0		50
Benzoic Acid	0	Q	0	Q	10-110	NC		50
Benzyl Alcohol	88		86		40-140	2		50
Carbazole	74		72		40-140	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1810297-2 WG1810297-3								

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
2-Fluorophenol	73		71		31-118
Phenol-d6	79		77		37-126
Nitrobenzene-d5	84		82		29-137
2-Fluorobiphenyl	69		68		38-127
2,4,6-Tribromophenol	70		67		40-130
4-Terphenyl-d14	67		66		36-137

PCBS

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-01
 Client ID: CONCRETE-3 TO 6-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 15:55
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8082A
 Analytical Date: 08/03/23 13:23
 Analyst: ER
 Percent Solids: 96%

Extraction Method: EPA 3540C
 Extraction Date: 08/01/23 12:05
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/02/23
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	99.5	8.83	1	A
Aroclor 1221	ND		ug/kg	99.5	9.97	1	A
Aroclor 1232	ND		ug/kg	99.5	21.1	1	A
Aroclor 1242	ND		ug/kg	99.5	13.4	1	A
Aroclor 1248	ND		ug/kg	99.5	14.9	1	A
Aroclor 1254	ND		ug/kg	99.5	10.9	1	A
Aroclor 1260	28.6	J	ug/kg	99.5	18.4	1	B
Aroclor 1262	ND		ug/kg	99.5	12.6	1	A
Aroclor 1268	ND		ug/kg	99.5	10.3	1	A
PCBs, Total	28.6	J	ug/kg	99.5	8.83	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-02
 Client ID: CONCRETE-08-01-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:00
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8082A
 Analytical Date: 08/03/23 13:36
 Analyst: ER
 Percent Solids: 93%

Extraction Method: EPA 3540C
 Extraction Date: 08/01/23 12:05
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/02/23
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	97.1	8.62	1	A
Aroclor 1221	ND		ug/kg	97.1	9.73	1	A
Aroclor 1232	ND		ug/kg	97.1	20.6	1	A
Aroclor 1242	ND		ug/kg	97.1	13.1	1	A
Aroclor 1248	ND		ug/kg	97.1	14.6	1	A
Aroclor 1254	ND		ug/kg	97.1	10.6	1	A
Aroclor 1260	ND		ug/kg	97.1	17.9	1	A
Aroclor 1262	ND		ug/kg	97.1	12.3	1	A
Aroclor 1268	ND		ug/kg	97.1	10.0	1	A
PCBs, Total	ND		ug/kg	97.1	8.62	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-03
 Client ID: CONCRETE-08-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:05
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8082A
 Analytical Date: 08/03/23 13:49
 Analyst: ER
 Percent Solids: 94%

Extraction Method: EPA 3540C
 Extraction Date: 08/01/23 12:05
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/02/23
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	104	9.28	1	A
Aroclor 1221	ND		ug/kg	104	10.5	1	A
Aroclor 1232	ND		ug/kg	104	22.2	1	A
Aroclor 1242	ND		ug/kg	104	14.1	1	A
Aroclor 1248	ND		ug/kg	104	15.7	1	A
Aroclor 1254	ND		ug/kg	104	11.4	1	A
Aroclor 1260	ND		ug/kg	104	19.3	1	A
Aroclor 1262	ND		ug/kg	104	13.3	1	A
Aroclor 1268	ND		ug/kg	104	10.8	1	A
PCBs, Total	ND		ug/kg	104	9.28	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-04
 Client ID: CONCRETE-10-01-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:10
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8082A
 Analytical Date: 08/03/23 14:02
 Analyst: ER
 Percent Solids: 97%

Extraction Method: EPA 3540C
 Extraction Date: 08/01/23 12:05
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/02/23
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	97.4	8.65	1	A
Aroclor 1221	ND		ug/kg	97.4	9.76	1	A
Aroclor 1232	ND		ug/kg	97.4	20.7	1	A
Aroclor 1242	ND		ug/kg	97.4	13.1	1	A
Aroclor 1248	ND		ug/kg	97.4	14.6	1	A
Aroclor 1254	ND		ug/kg	97.4	10.7	1	A
Aroclor 1260	ND		ug/kg	97.4	18.0	1	A
Aroclor 1262	ND		ug/kg	97.4	12.4	1	A
Aroclor 1268	ND		ug/kg	97.4	10.1	1	A
PCBs, Total	ND		ug/kg	97.4	8.65	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-05
 Client ID: CONCRETE-10-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:15
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8082A
 Analytical Date: 08/03/23 14:15
 Analyst: ER
 Percent Solids: 97%

Extraction Method: EPA 3540C
 Extraction Date: 08/01/23 12:05
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/02/23
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	101	8.94	1	A
Aroclor 1221	ND		ug/kg	101	10.1	1	A
Aroclor 1232	ND		ug/kg	101	21.3	1	A
Aroclor 1242	ND		ug/kg	101	13.6	1	A
Aroclor 1248	ND		ug/kg	101	15.1	1	A
Aroclor 1254	ND		ug/kg	101	11.0	1	A
Aroclor 1260	ND		ug/kg	101	18.6	1	A
Aroclor 1262	ND		ug/kg	101	12.8	1	A
Aroclor 1268	ND		ug/kg	101	10.4	1	A
PCBs, Total	ND		ug/kg	101	8.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-06
 Client ID: CONCRETE-11-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:20
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8082A
 Analytical Date: 08/03/23 14:27
 Analyst: ER
 Percent Solids: 93%

Extraction Method: EPA 3540C
 Extraction Date: 08/01/23 12:05
 Cleanup Method: EPA 3665A
 Cleanup Date: 08/02/23
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	104	9.22	1	A
Aroclor 1221	ND		ug/kg	104	10.4	1	A
Aroclor 1232	ND		ug/kg	104	22.0	1	A
Aroclor 1242	ND		ug/kg	104	14.0	1	A
Aroclor 1248	ND		ug/kg	104	15.6	1	A
Aroclor 1254	ND		ug/kg	104	11.4	1	A
Aroclor 1260	ND		ug/kg	104	19.2	1	A
Aroclor 1262	ND		ug/kg	104	13.2	1	A
Aroclor 1268	ND		ug/kg	104	10.8	1	A
PCBs, Total	ND		ug/kg	104	9.22	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8082A
Analytical Date: 08/03/23 12:45
Analyst: ER

Extraction Method: EPA 3540C
Extraction Date: 08/01/23 12:05
Cleanup Method: EPA 3665A
Cleanup Date: 08/02/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-06 Batch: WG1810333-1						
Aroclor 1016	ND		ug/kg	93.1	8.27	A
Aroclor 1221	ND		ug/kg	93.1	9.33	A
Aroclor 1232	ND		ug/kg	93.1	19.7	A
Aroclor 1242	ND		ug/kg	93.1	12.6	A
Aroclor 1248	ND		ug/kg	93.1	14.0	A
Aroclor 1254	ND		ug/kg	93.1	10.2	A
Aroclor 1260	ND		ug/kg	93.1	17.2	A
Aroclor 1262	ND		ug/kg	93.1	11.8	A
Aroclor 1268	ND		ug/kg	93.1	9.65	A
PCBs, Total	ND		ug/kg	93.1	8.27	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	54		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1810333-2 WG1810333-3									
Aroclor 1016	75		78		40-140	4		50	A
Aroclor 1260	53		58		40-140	9		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		75		30-150	A
Decachlorobiphenyl	51		52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		82		30-150	B
Decachlorobiphenyl	56		55		30-150	B

PESTICIDES

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-01
 Client ID: CONCRETE-3 TO 6-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 15:55
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8081B
 Analytical Date: 08/07/23 10:51
 Analyst: AKM
 Percent Solids: 96%

Extraction Method: EPA 3540C
 Extraction Date: 08/01/23 10:05
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/06/23
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/06/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	4.87	0.953	1	A
Lindane	ND		ug/kg	2.03	0.907	1	A
Alpha-BHC	ND		ug/kg	2.03	0.576	1	A
Beta-BHC	ND		ug/kg	4.87	1.84	1	A
Heptachlor	ND		ug/kg	2.43	1.09	1	A
Aldrin	ND		ug/kg	4.87	1.71	1	A
Heptachlor epoxide	ND		ug/kg	9.13	2.74	1	A
Endrin	ND		ug/kg	2.03	0.832	1	A
Endrin aldehyde	ND		ug/kg	6.08	2.13	1	A
Endrin ketone	ND		ug/kg	4.87	1.25	1	A
Dieldrin	ND		ug/kg	3.04	1.52	1	A
4,4'-DDE	ND		ug/kg	4.87	1.12	1	A
4,4'-DDD	ND		ug/kg	4.87	1.74	1	A
4,4'-DDT	ND		ug/kg	4.87	3.91	1	A
Endosulfan I	ND		ug/kg	4.87	1.15	1	A
Endosulfan II	ND		ug/kg	4.87	1.63	1	A
Endosulfan sulfate	ND		ug/kg	2.03	0.966	1	A
Methoxychlor	ND		ug/kg	9.13	2.84	1	A
Toxaphene	ND		ug/kg	91.3	25.6	1	A
cis-Chlordane	ND		ug/kg	6.08	1.70	1	A
trans-Chlordane	ND		ug/kg	6.08	1.61	1	A
Chlordane	ND		ug/kg	40.6	16.1	1	A

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-01
 Client ID: CONCRETE-3 TO 6-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 15:55
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Organochlorine Pesticides by GC - Westborough Lab							
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Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	133		30-150	B

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-02
 Client ID: CONCRETE-08-01-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:00
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8081B
 Analytical Date: 08/07/23 11:02
 Analyst: AKM
 Percent Solids: 93%

Extraction Method: EPA 3540C
 Extraction Date: 08/01/23 10:05
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/06/23
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/06/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	5.09	0.998	1	A
Lindane	ND		ug/kg	2.12	0.949	1	A
Alpha-BHC	ND		ug/kg	2.12	0.603	1	A
Beta-BHC	ND		ug/kg	5.09	1.93	1	A
Heptachlor	ND		ug/kg	2.55	1.14	1	A
Aldrin	ND		ug/kg	5.09	1.79	1	A
Heptachlor epoxide	ND		ug/kg	9.55	2.86	1	A
Endrin	ND		ug/kg	2.12	0.870	1	A
Endrin aldehyde	ND		ug/kg	6.37	2.23	1	A
Endrin ketone	ND		ug/kg	5.09	1.31	1	A
Dieldrin	ND		ug/kg	3.18	1.59	1	A
4,4'-DDE	ND		ug/kg	5.09	1.18	1	A
4,4'-DDD	ND		ug/kg	5.09	1.82	1	A
4,4'-DDT	ND		ug/kg	5.09	4.10	1	A
Endosulfan I	ND		ug/kg	5.09	1.20	1	A
Endosulfan II	ND		ug/kg	5.09	1.70	1	A
Endosulfan sulfate	ND		ug/kg	2.12	1.01	1	A
Methoxychlor	ND		ug/kg	9.55	2.97	1	A
Toxaphene	ND		ug/kg	95.5	26.7	1	A
cis-Chlordane	ND		ug/kg	6.37	1.77	1	A
trans-Chlordane	ND		ug/kg	6.37	1.68	1	A
Chlordane	ND		ug/kg	42.4	16.9	1	A

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-02
 Client ID: CONCRETE-08-01-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:00
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	183	Q	30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-03
 Client ID: CONCRETE-08-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:05
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8081B
 Analytical Date: 08/07/23 11:14
 Analyst: AKM
 Percent Solids: 94%

Extraction Method: EPA 3540C
 Extraction Date: 08/01/23 10:05
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/06/23
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/06/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	4.71	0.923	1	A
Lindane	ND		ug/kg	1.96	0.878	1	A
Alpha-BHC	ND		ug/kg	1.96	0.558	1	A
Beta-BHC	ND		ug/kg	4.71	1.79	1	A
Heptachlor	ND		ug/kg	2.36	1.06	1	A
Aldrin	ND		ug/kg	4.71	1.66	1	A
Heptachlor epoxide	ND		ug/kg	8.84	2.65	1	A
Endrin	ND		ug/kg	1.96	0.805	1	A
Endrin aldehyde	ND		ug/kg	5.89	2.06	1	A
Endrin ketone	ND		ug/kg	4.71	1.21	1	A
Dieldrin	ND		ug/kg	2.94	1.47	1	A
4,4'-DDE	ND		ug/kg	4.71	1.09	1	A
4,4'-DDD	ND		ug/kg	4.71	1.68	1	A
4,4'-DDT	ND		ug/kg	4.71	3.79	1	A
Endosulfan I	ND		ug/kg	4.71	1.11	1	A
Endosulfan II	ND		ug/kg	4.71	1.58	1	A
Endosulfan sulfate	ND		ug/kg	1.96	0.935	1	A
Methoxychlor	ND		ug/kg	8.84	2.75	1	A
Toxaphene	ND		ug/kg	88.4	24.7	1	A
cis-Chlordane	ND		ug/kg	5.89	1.64	1	A
trans-Chlordane	ND		ug/kg	5.89	1.56	1	A
Chlordane	ND		ug/kg	39.3	15.6	1	A

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-03
 Client ID: CONCRETE-08-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:05
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	219	Q	30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-04
 Client ID: CONCRETE-10-01-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:10
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8081B
 Analytical Date: 08/07/23 11:25
 Analyst: AKM
 Percent Solids: 97%

Extraction Method: EPA 3540C
 Extraction Date: 08/01/23 10:05
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/06/23
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/06/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	4.56	0.892	1	A
Lindane	ND		ug/kg	1.90	0.849	1	A
Alpha-BHC	ND		ug/kg	1.90	0.539	1	A
Beta-BHC	ND		ug/kg	4.56	1.73	1	A
Heptachlor	ND		ug/kg	2.28	1.02	1	A
Aldrin	ND		ug/kg	4.56	1.60	1	A
Heptachlor epoxide	ND		ug/kg	8.54	2.56	1	A
Endrin	ND		ug/kg	1.90	0.778	1	A
Endrin aldehyde	ND		ug/kg	5.70	1.99	1	A
Endrin ketone	ND		ug/kg	4.56	1.17	1	A
Dieldrin	ND		ug/kg	2.85	1.42	1	A
4,4'-DDE	ND		ug/kg	4.56	1.05	1	A
4,4'-DDD	ND		ug/kg	4.56	1.62	1	A
4,4'-DDT	ND		ug/kg	4.56	3.66	1	A
Endosulfan I	ND		ug/kg	4.56	1.08	1	A
Endosulfan II	ND		ug/kg	4.56	1.52	1	A
Endosulfan sulfate	ND		ug/kg	1.90	0.904	1	A
Methoxychlor	ND		ug/kg	8.54	2.66	1	A
Toxaphene	ND		ug/kg	85.4	23.9	1	A
cis-Chlordane	ND		ug/kg	5.70	1.59	1	A
trans-Chlordane	ND		ug/kg	5.70	1.50	1	A
Chlordane	ND		ug/kg	38.0	15.1	1	A

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-04
 Client ID: CONCRETE-10-01-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:10
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-05
 Client ID: CONCRETE-10-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:15
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8081B
 Analytical Date: 08/07/23 11:36
 Analyst: AKM
 Percent Solids: 97%

Extraction Method: EPA 3540C
 Extraction Date: 08/01/23 10:05
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/06/23
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/06/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	4.17	0.817	1	A
Lindane	ND		ug/kg	1.74	0.777	1	A
Alpha-BHC	ND		ug/kg	1.74	0.494	1	A
Beta-BHC	ND		ug/kg	4.17	1.58	1	A
Heptachlor	ND		ug/kg	2.09	0.935	1	A
Aldrin	ND		ug/kg	4.17	1.47	1	A
Heptachlor epoxide	ND		ug/kg	7.82	2.35	1	A
Endrin	ND		ug/kg	1.74	0.713	1	A
Endrin aldehyde	ND		ug/kg	5.22	1.82	1	A
Endrin ketone	ND		ug/kg	4.17	1.07	1	A
Dieldrin	ND		ug/kg	2.61	1.30	1	A
4,4'-DDE	ND		ug/kg	4.17	0.965	1	A
4,4'-DDD	ND		ug/kg	4.17	1.49	1	A
4,4'-DDT	ND		ug/kg	4.17	3.36	1	A
Endosulfan I	ND		ug/kg	4.17	0.986	1	A
Endosulfan II	ND		ug/kg	4.17	1.39	1	A
Endosulfan sulfate	ND		ug/kg	1.74	0.828	1	A
Methoxychlor	ND		ug/kg	7.82	2.43	1	A
Toxaphene	ND		ug/kg	78.2	21.9	1	A
cis-Chlordane	ND		ug/kg	5.22	1.45	1	A
trans-Chlordane	ND		ug/kg	5.22	1.38	1	A
Chlordane	ND		ug/kg	34.8	13.8	1	A

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-05
 Client ID: CONCRETE-10-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:15
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	116		30-150	B

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-06
 Client ID: CONCRETE-11-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:20
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8081B
 Analytical Date: 08/07/23 11:48
 Analyst: AKM
 Percent Solids: 93%

Extraction Method: EPA 3540C
 Extraction Date: 08/01/23 10:05
 Cleanup Method: EPA 3620B
 Cleanup Date: 08/06/23
 Cleanup Method: EPA 3660B
 Cleanup Date: 08/06/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	4.48	0.878	1	A
Lindane	ND		ug/kg	1.87	0.835	1	A
Alpha-BHC	ND		ug/kg	1.87	0.530	1	A
Beta-BHC	ND		ug/kg	4.48	1.70	1	A
Heptachlor	ND		ug/kg	2.24	1.00	1	A
Aldrin	ND		ug/kg	4.48	1.58	1	A
Heptachlor epoxide	ND		ug/kg	8.40	2.52	1	A
Endrin	ND		ug/kg	1.87	0.766	1	A
Endrin aldehyde	ND		ug/kg	5.60	1.96	1	A
Endrin ketone	ND		ug/kg	4.48	1.15	1	A
Dieldrin	ND		ug/kg	2.80	1.40	1	A
4,4'-DDE	ND		ug/kg	4.48	1.04	1	A
4,4'-DDD	ND		ug/kg	4.48	1.60	1	A
4,4'-DDT	ND		ug/kg	4.48	3.60	1	A
Endosulfan I	ND		ug/kg	4.48	1.06	1	A
Endosulfan II	ND		ug/kg	4.48	1.50	1	A
Endosulfan sulfate	ND		ug/kg	1.87	0.889	1	A
Methoxychlor	ND		ug/kg	8.40	2.61	1	A
Toxaphene	ND		ug/kg	84.0	23.5	1	A
cis-Chlordane	ND		ug/kg	5.60	1.56	1	A
trans-Chlordane	ND		ug/kg	5.60	1.48	1	A
Chlordane	ND		ug/kg	37.3	14.8	1	A

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-06
 Client ID: CONCRETE-11-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:20
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Organochlorine Pesticides by GC - Westborough Lab							
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Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	142		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/06/23 15:13
Analyst: AKM

Extraction Method: EPA 3540C
Extraction Date: 08/01/23 10:05
Cleanup Method: EPA 3620B
Cleanup Date: 08/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/06/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG1810284-1						
Delta-BHC	ND		ug/kg	4.22	0.827	A
Lindane	ND		ug/kg	1.76	0.787	A
Alpha-BHC	ND		ug/kg	1.76	0.500	A
Beta-BHC	ND		ug/kg	4.22	1.60	A
Heptachlor	ND		ug/kg	2.11	0.947	A
Aldrin	ND		ug/kg	4.22	1.49	A
Heptachlor epoxide	ND		ug/kg	7.92	2.38	A
Endrin	ND		ug/kg	1.76	0.722	A
Endrin aldehyde	ND		ug/kg	5.28	1.85	A
Endrin ketone	ND		ug/kg	4.22	1.09	A
Dieldrin	ND		ug/kg	2.64	1.32	A
4,4'-DDE	ND		ug/kg	4.22	0.977	A
4,4'-DDD	ND		ug/kg	4.22	1.51	A
4,4'-DDT	ND		ug/kg	4.22	3.40	A
Endosulfan I	ND		ug/kg	4.22	0.998	A
Endosulfan II	ND		ug/kg	4.22	1.41	A
Endosulfan sulfate	ND		ug/kg	1.76	0.838	A
Methoxychlor	ND		ug/kg	7.92	2.46	A
Toxaphene	ND		ug/kg	79.2	22.2	A
cis-Chlordane	ND		ug/kg	5.28	1.47	A
trans-Chlordane	ND		ug/kg	5.28	1.39	A
Chlordane	ND		ug/kg	35.2	14.0	A

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/06/23 15:13
Analyst: AKM

Extraction Method: EPA 3540C
Extraction Date: 08/01/23 10:05
Cleanup Method: EPA 3620B
Cleanup Date: 08/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/06/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG1810284-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	96		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1810284-2 WG1810284-3									
Delta-BHC	86		85		30-150	1		30	A
Lindane	80		82		30-150	2		30	A
Alpha-BHC	83		84		30-150	1		30	A
Beta-BHC	95		97		30-150	2		30	A
Heptachlor	92		93		30-150	1		30	A
Aldrin	82		84		30-150	2		30	A
Heptachlor epoxide	70		75		30-150	7		30	A
Endrin	84		84		30-150	0		30	A
Endrin aldehyde	71		71		30-150	0		30	A
Endrin ketone	84		85		30-150	1		30	A
Dieldrin	86		88		30-150	2		30	A
4,4'-DDE	81		83		30-150	2		30	A
4,4'-DDD	91		91		30-150	0		30	A
4,4'-DDT	86		88		30-150	2		30	A
Endosulfan I	82		84		30-150	2		30	A
Endosulfan II	84		85		30-150	1		30	A
Endosulfan sulfate	72		72		30-150	0		30	A
Methoxychlor	110		112		30-150	2		30	A
cis-Chlordane	88		88		30-150	0		30	A
trans-Chlordane	104		104		30-150	0		30	A

Lab Control Sample Analysis Batch Quality Control

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1810284-2 WG1810284-3

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria	<i>Column</i>
2,4,5,6-Tetrachloro-m-xylene	73		70		30-150	A
Decachlorobiphenyl	95		94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		70		30-150	B
Decachlorobiphenyl	91		91		30-150	B

METALS

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-01
 Client ID: CONCRETE-3 TO 6-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 15:55
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Solid
 Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5840		mg/kg	8.00	2.16	2	08/02/23 22:00	08/14/23 16:55	EPA 3050B	1,6010D	DMB
Antimony, Total	ND		mg/kg	4.00	0.304	2	08/02/23 22:00	08/14/23 16:55	EPA 3050B	1,6010D	DMB
Arsenic, Total	7.44		mg/kg	0.800	0.166	2	08/02/23 22:00	08/14/23 16:55	EPA 3050B	1,6010D	DMB
Barium, Total	62.4		mg/kg	0.800	0.139	2	08/02/23 22:00	08/14/23 16:55	EPA 3050B	1,6010D	DMB
Beryllium, Total	0.288	J	mg/kg	0.400	0.026	2	08/02/23 22:00	08/14/23 16:55	EPA 3050B	1,6010D	DMB
Cadmium, Total	0.144	J	mg/kg	0.800	0.078	2	08/02/23 22:00	08/14/23 20:47	EPA 3050B	1,6010D	TAA
Calcium, Total	118000		mg/kg	80.0	28.0	20	08/02/23 22:00	08/14/23 17:17	EPA 3050B	1,6010D	DMB
Chromium, Total	16.2		mg/kg	0.818	0.079	2	08/14/23 08:57	08/14/23 14:47	EPA 3050B	1,6010D	EJF
Cobalt, Total	2.30		mg/kg	1.60	0.133	2	08/02/23 22:00	08/14/23 16:55	EPA 3050B	1,6010D	DMB
Copper, Total	19.2		mg/kg	0.800	0.206	2	08/02/23 22:00	08/14/23 16:55	EPA 3050B	1,6010D	DMB
Iron, Total	8770		mg/kg	4.00	0.723	2	08/02/23 22:00	08/14/23 16:55	EPA 3050B	1,6010D	DMB
Lead, Total	33.4		mg/kg	4.00	0.214	2	08/02/23 22:00	08/14/23 16:55	EPA 3050B	1,6010D	DMB
Magnesium, Total	7600		mg/kg	8.00	1.23	2	08/02/23 22:00	08/14/23 16:55	EPA 3050B	1,6010D	DMB
Manganese, Total	255		mg/kg	0.800	0.127	2	08/02/23 22:00	08/14/23 16:55	EPA 3050B	1,6010D	DMB
Mercury, Total	0.769		mg/kg	0.073	0.048	1	08/02/23 23:15	08/11/23 14:53	EPA 7471B	1,7471B	GMG
Nickel, Total	15.3		mg/kg	2.04	0.198	2	08/14/23 08:57	08/15/23 11:34	EPA 3050B	1,6010D	DMB
Potassium, Total	674		mg/kg	200	11.5	2	08/02/23 22:00	08/14/23 16:55	EPA 3050B	1,6010D	DMB
Selenium, Total	0.489	J	mg/kg	1.60	0.206	2	08/02/23 22:00	08/14/23 16:55	EPA 3050B	1,6010D	DMB
Silver, Total	ND		mg/kg	0.400	0.226	2	08/02/23 22:00	08/14/23 16:55	EPA 3050B	1,6010D	DMB
Sodium, Total	275		mg/kg	160	2.52	2	08/02/23 22:00	08/14/23 16:55	EPA 3050B	1,6010D	DMB
Thallium, Total	0.598	J	mg/kg	1.60	0.252	2	08/02/23 22:00	08/14/23 16:55	EPA 3050B	1,6010D	DMB
Vanadium, Total	38.3		mg/kg	0.800	0.162	2	08/02/23 22:00	08/14/23 16:55	EPA 3050B	1,6010D	DMB
Zinc, Total	53.1		mg/kg	4.00	0.234	2	08/02/23 22:00	08/14/23 20:47	EPA 3050B	1,6010D	TAA



Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-02
 Client ID: CONCRETE-08-01-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:00
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Solid
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	17300		mg/kg	8.30	2.24	2	08/02/23 22:00	08/14/23 16:57	EPA 3050B	1,6010D	DMB
Antimony, Total	ND		mg/kg	4.15	0.315	2	08/02/23 22:00	08/14/23 16:57	EPA 3050B	1,6010D	DMB
Arsenic, Total	10.2		mg/kg	0.830	0.172	2	08/02/23 22:00	08/14/23 16:57	EPA 3050B	1,6010D	DMB
Barium, Total	150		mg/kg	0.830	0.144	2	08/02/23 22:00	08/14/23 16:57	EPA 3050B	1,6010D	DMB
Beryllium, Total	1.55		mg/kg	0.415	0.027	2	08/02/23 22:00	08/14/23 16:57	EPA 3050B	1,6010D	DMB
Cadmium, Total	ND		mg/kg	0.830	0.081	2	08/02/23 22:00	08/14/23 20:50	EPA 3050B	1,6010D	TAA
Calcium, Total	119000		mg/kg	83.0	29.0	20	08/02/23 22:00	08/14/23 17:20	EPA 3050B	1,6010D	DMB
Chromium, Total	11.7		mg/kg	0.851	0.082	2	08/14/23 08:57	08/14/23 14:28	EPA 3050B	1,6010D	EJF
Cobalt, Total	2.14		mg/kg	1.66	0.138	2	08/02/23 22:00	08/14/23 16:57	EPA 3050B	1,6010D	DMB
Copper, Total	14.0		mg/kg	0.830	0.214	2	08/02/23 22:00	08/14/23 16:57	EPA 3050B	1,6010D	DMB
Iron, Total	10700		mg/kg	4.15	0.749	2	08/02/23 22:00	08/14/23 16:57	EPA 3050B	1,6010D	DMB
Lead, Total	30.3		mg/kg	4.15	0.222	2	08/02/23 22:00	08/14/23 16:57	EPA 3050B	1,6010D	DMB
Magnesium, Total	9390		mg/kg	8.30	1.28	2	08/02/23 22:00	08/14/23 16:57	EPA 3050B	1,6010D	DMB
Manganese, Total	829		mg/kg	0.830	0.132	2	08/02/23 22:00	08/14/23 16:57	EPA 3050B	1,6010D	DMB
Mercury, Total	0.985		mg/kg	0.076	0.049	1	08/02/23 23:15	08/11/23 14:56	EPA 7471B	1,7471B	GMG
Nickel, Total	8.96		mg/kg	2.13	0.206	2	08/14/23 08:57	08/15/23 11:24	EPA 3050B	1,6010D	DMB
Potassium, Total	1560		mg/kg	207	11.9	2	08/02/23 22:00	08/14/23 16:57	EPA 3050B	1,6010D	DMB
Selenium, Total	1.43	J	mg/kg	1.66	0.214	2	08/02/23 22:00	08/14/23 16:57	EPA 3050B	1,6010D	DMB
Silver, Total	ND		mg/kg	0.415	0.235	2	08/02/23 22:00	08/14/23 16:57	EPA 3050B	1,6010D	DMB
Sodium, Total	559		mg/kg	166	2.61	2	08/02/23 22:00	08/14/23 16:57	EPA 3050B	1,6010D	DMB
Thallium, Total	1.22	J	mg/kg	1.66	0.261	2	08/02/23 22:00	08/14/23 16:57	EPA 3050B	1,6010D	DMB
Vanadium, Total	12.4		mg/kg	0.830	0.168	2	08/02/23 22:00	08/14/23 16:57	EPA 3050B	1,6010D	DMB
Zinc, Total	34.8		mg/kg	4.15	0.243	2	08/02/23 22:00	08/14/23 20:50	EPA 3050B	1,6010D	TAA



Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-03
 Client ID: CONCRETE-08-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:05
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Solid
 Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	14200		mg/kg	8.48	2.29	2	08/02/23 22:00	08/14/23 17:00	EPA 3050B	1,6010D	DMB
Antimony, Total	ND		mg/kg	4.24	0.322	2	08/02/23 22:00	08/14/23 17:00	EPA 3050B	1,6010D	DMB
Arsenic, Total	11.8		mg/kg	0.848	0.176	2	08/02/23 22:00	08/14/23 17:00	EPA 3050B	1,6010D	DMB
Barium, Total	145		mg/kg	0.848	0.148	2	08/02/23 22:00	08/14/23 17:00	EPA 3050B	1,6010D	DMB
Beryllium, Total	1.23		mg/kg	0.424	0.028	2	08/02/23 22:00	08/14/23 17:00	EPA 3050B	1,6010D	DMB
Cadmium, Total	ND		mg/kg	0.848	0.083	2	08/02/23 22:00	08/14/23 20:53	EPA 3050B	1,6010D	TAA
Calcium, Total	125000		mg/kg	84.8	29.7	20	08/02/23 22:00	08/14/23 17:23	EPA 3050B	1,6010D	DMB
Chromium, Total	17.0		mg/kg	0.848	0.082	2	08/14/23 08:57	08/14/23 14:33	EPA 3050B	1,6010D	EJF
Cobalt, Total	2.48		mg/kg	1.70	0.141	2	08/02/23 22:00	08/14/23 17:00	EPA 3050B	1,6010D	DMB
Copper, Total	16.7		mg/kg	0.848	0.219	2	08/02/23 22:00	08/14/23 17:00	EPA 3050B	1,6010D	DMB
Iron, Total	11200		mg/kg	4.24	0.766	2	08/02/23 22:00	08/14/23 17:00	EPA 3050B	1,6010D	DMB
Lead, Total	34.5		mg/kg	4.24	0.227	2	08/02/23 22:00	08/14/23 17:00	EPA 3050B	1,6010D	DMB
Magnesium, Total	11300		mg/kg	8.48	1.31	2	08/02/23 22:00	08/14/23 17:00	EPA 3050B	1,6010D	DMB
Manganese, Total	692		mg/kg	0.848	0.135	2	08/02/23 22:00	08/14/23 17:00	EPA 3050B	1,6010D	DMB
Mercury, Total	2.58		mg/kg	0.139	0.091	2	08/02/23 23:15	08/11/23 16:19	EPA 7471B	1,7471B	GMG
Nickel, Total	11.8		mg/kg	2.12	0.205	2	08/14/23 08:57	08/15/23 11:27	EPA 3050B	1,6010D	DMB
Potassium, Total	1340		mg/kg	212	12.2	2	08/02/23 22:00	08/14/23 17:00	EPA 3050B	1,6010D	DMB
Selenium, Total	0.956	J	mg/kg	1.70	0.219	2	08/02/23 22:00	08/14/23 17:00	EPA 3050B	1,6010D	DMB
Silver, Total	ND		mg/kg	0.424	0.240	2	08/02/23 22:00	08/14/23 17:00	EPA 3050B	1,6010D	DMB
Sodium, Total	568		mg/kg	170	2.67	2	08/02/23 22:00	08/14/23 17:00	EPA 3050B	1,6010D	DMB
Thallium, Total	1.04	J	mg/kg	1.70	0.267	2	08/02/23 22:00	08/14/23 17:00	EPA 3050B	1,6010D	DMB
Vanadium, Total	12.6		mg/kg	0.848	0.172	2	08/02/23 22:00	08/14/23 17:00	EPA 3050B	1,6010D	DMB
Zinc, Total	45.2		mg/kg	4.24	0.249	2	08/02/23 22:00	08/14/23 20:53	EPA 3050B	1,6010D	TAA



Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-04
 Client ID: CONCRETE-10-01-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:10
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Solid
 Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9710		mg/kg	7.92	2.14	2	08/02/23 22:00	08/14/23 17:03	EPA 3050B	1,6010D	DMB
Antimony, Total	ND		mg/kg	3.96	0.301	2	08/02/23 22:00	08/14/23 17:03	EPA 3050B	1,6010D	DMB
Arsenic, Total	13.5		mg/kg	0.792	0.165	2	08/02/23 22:00	08/14/23 17:03	EPA 3050B	1,6010D	DMB
Barium, Total	119		mg/kg	0.792	0.138	2	08/02/23 22:00	08/14/23 17:03	EPA 3050B	1,6010D	DMB
Beryllium, Total	0.693		mg/kg	0.396	0.026	2	08/02/23 22:00	08/14/23 17:03	EPA 3050B	1,6010D	DMB
Cadmium, Total	ND		mg/kg	0.792	0.078	2	08/02/23 22:00	08/14/23 20:56	EPA 3050B	1,6010D	TAA
Calcium, Total	108000		mg/kg	79.2	27.7	20	08/02/23 22:00	08/14/23 18:15	EPA 3050B	1,6010D	TAA
Chromium, Total	14.3		mg/kg	0.798	0.077	2	08/14/23 08:57	08/14/23 15:23	EPA 3050B	1,6010D	EJF
Cobalt, Total	3.46		mg/kg	1.58	0.131	2	08/02/23 22:00	08/14/23 17:03	EPA 3050B	1,6010D	DMB
Copper, Total	19.4		mg/kg	0.792	0.204	2	08/02/23 22:00	08/14/23 17:03	EPA 3050B	1,6010D	DMB
Iron, Total	14200		mg/kg	3.96	0.715	2	08/02/23 22:00	08/14/23 17:03	EPA 3050B	1,6010D	DMB
Lead, Total	23.7		mg/kg	3.96	0.212	2	08/02/23 22:00	08/14/23 17:03	EPA 3050B	1,6010D	DMB
Magnesium, Total	14100		mg/kg	7.92	1.22	2	08/02/23 22:00	08/14/23 17:03	EPA 3050B	1,6010D	DMB
Manganese, Total	857		mg/kg	0.792	0.126	2	08/02/23 22:00	08/14/23 17:03	EPA 3050B	1,6010D	DMB
Mercury, Total	0.089		mg/kg	0.069	0.045	1	08/02/23 23:15	08/11/23 15:03	EPA 7471B	1,7471B	GMG
Nickel, Total	12.4		mg/kg	1.99	0.193	2	08/14/23 08:57	08/15/23 11:31	EPA 3050B	1,6010D	DMB
Potassium, Total	1000		mg/kg	198	11.4	2	08/02/23 22:00	08/14/23 17:03	EPA 3050B	1,6010D	DMB
Selenium, Total	0.516	J	mg/kg	1.58	0.204	2	08/02/23 22:00	08/14/23 17:03	EPA 3050B	1,6010D	DMB
Silver, Total	ND		mg/kg	0.396	0.224	2	08/02/23 22:00	08/14/23 17:03	EPA 3050B	1,6010D	DMB
Sodium, Total	321		mg/kg	158	2.49	2	08/02/23 22:00	08/14/23 17:03	EPA 3050B	1,6010D	DMB
Thallium, Total	ND		mg/kg	1.58	0.249	2	08/02/23 22:00	08/14/23 17:03	EPA 3050B	1,6010D	DMB
Vanadium, Total	11.4		mg/kg	0.792	0.161	2	08/02/23 22:00	08/14/23 17:03	EPA 3050B	1,6010D	DMB
Zinc, Total	46.0		mg/kg	3.96	0.232	2	08/02/23 22:00	08/14/23 20:56	EPA 3050B	1,6010D	TAA



Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-05
 Client ID: CONCRETE-10-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:15
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Solid
 Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10800		mg/kg	7.88	2.13	2	08/02/23 22:00	08/14/23 17:06	EPA 3050B	1,6010D	DMB
Antimony, Total	ND		mg/kg	3.94	0.299	2	08/02/23 22:00	08/14/23 17:06	EPA 3050B	1,6010D	DMB
Arsenic, Total	8.88		mg/kg	0.788	0.164	2	08/02/23 22:00	08/14/23 17:06	EPA 3050B	1,6010D	DMB
Barium, Total	123		mg/kg	0.788	0.137	2	08/02/23 22:00	08/14/23 17:06	EPA 3050B	1,6010D	DMB
Beryllium, Total	0.829		mg/kg	0.394	0.026	2	08/02/23 22:00	08/14/23 17:06	EPA 3050B	1,6010D	DMB
Cadmium, Total	ND		mg/kg	0.788	0.077	2	08/02/23 22:00	08/14/23 20:59	EPA 3050B	1,6010D	TAA
Calcium, Total	124000		mg/kg	78.8	27.6	20	08/02/23 22:00	08/14/23 18:17	EPA 3050B	1,6010D	TAA
Chromium, Total	12.8		mg/kg	0.823	0.079	2	08/14/23 08:57	08/14/23 14:38	EPA 3050B	1,6010D	EJF
Cobalt, Total	3.01		mg/kg	1.58	0.131	2	08/02/23 22:00	08/14/23 17:06	EPA 3050B	1,6010D	DMB
Copper, Total	19.7		mg/kg	0.788	0.203	2	08/02/23 22:00	08/14/23 17:06	EPA 3050B	1,6010D	DMB
Iron, Total	12800		mg/kg	3.94	0.711	2	08/02/23 22:00	08/14/23 17:06	EPA 3050B	1,6010D	DMB
Lead, Total	28.5		mg/kg	3.94	0.211	2	08/02/23 22:00	08/14/23 17:06	EPA 3050B	1,6010D	DMB
Magnesium, Total	11200		mg/kg	7.88	1.21	2	08/02/23 22:00	08/14/23 17:06	EPA 3050B	1,6010D	DMB
Manganese, Total	620		mg/kg	0.788	0.125	2	08/02/23 22:00	08/14/23 17:06	EPA 3050B	1,6010D	DMB
Mercury, Total	0.157		mg/kg	0.070	0.045	1	08/02/23 23:15	08/11/23 15:06	EPA 7471B	1,7471B	GMG
Nickel, Total	9.56		mg/kg	2.06	0.199	2	08/14/23 08:57	08/15/23 12:22	EPA 3050B	1,6010D	DMB
Potassium, Total	1090		mg/kg	197	11.3	2	08/02/23 22:00	08/14/23 17:06	EPA 3050B	1,6010D	DMB
Selenium, Total	0.922	J	mg/kg	1.58	0.203	2	08/02/23 22:00	08/14/23 17:06	EPA 3050B	1,6010D	DMB
Silver, Total	ND		mg/kg	0.394	0.223	2	08/02/23 22:00	08/14/23 17:06	EPA 3050B	1,6010D	DMB
Sodium, Total	387		mg/kg	158	2.48	2	08/02/23 22:00	08/14/23 17:06	EPA 3050B	1,6010D	DMB
Thallium, Total	0.719	J	mg/kg	1.58	0.248	2	08/02/23 22:00	08/14/23 17:06	EPA 3050B	1,6010D	DMB
Vanadium, Total	13.8		mg/kg	0.788	0.160	2	08/02/23 22:00	08/14/23 17:06	EPA 3050B	1,6010D	DMB
Zinc, Total	42.4		mg/kg	3.94	0.231	2	08/02/23 22:00	08/14/23 20:59	EPA 3050B	1,6010D	TAA



Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-06
 Client ID: CONCRETE-11-02-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:20
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Solid
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10700		mg/kg	8.28	2.23	2	08/02/23 22:00	08/14/23 17:08	EPA 3050B	1,6010D	DMB
Antimony, Total	ND		mg/kg	4.14	0.314	2	08/02/23 22:00	08/14/23 17:08	EPA 3050B	1,6010D	DMB
Arsenic, Total	9.57		mg/kg	0.828	0.172	2	08/02/23 22:00	08/14/23 17:08	EPA 3050B	1,6010D	DMB
Barium, Total	119		mg/kg	0.828	0.144	2	08/02/23 22:00	08/14/23 17:08	EPA 3050B	1,6010D	DMB
Beryllium, Total	0.763		mg/kg	0.414	0.027	2	08/02/23 22:00	08/14/23 17:08	EPA 3050B	1,6010D	DMB
Cadmium, Total	ND		mg/kg	0.828	0.081	2	08/02/23 22:00	08/14/23 21:01	EPA 3050B	1,6010D	TAA
Calcium, Total	117000		mg/kg	82.8	29.0	20	08/02/23 22:00	08/14/23 18:20	EPA 3050B	1,6010D	TAA
Chromium, Total	21.1		mg/kg	0.821	0.079	2	08/14/23 08:57	08/14/23 14:43	EPA 3050B	1,6010D	EJF
Cobalt, Total	2.89		mg/kg	1.66	0.137	2	08/02/23 22:00	08/14/23 17:08	EPA 3050B	1,6010D	DMB
Copper, Total	32.1		mg/kg	0.828	0.214	2	08/02/23 22:00	08/14/23 17:08	EPA 3050B	1,6010D	DMB
Iron, Total	18100		mg/kg	4.14	0.747	2	08/02/23 22:00	08/14/23 17:08	EPA 3050B	1,6010D	DMB
Lead, Total	50.0		mg/kg	4.14	0.222	2	08/02/23 22:00	08/14/23 17:08	EPA 3050B	1,6010D	DMB
Magnesium, Total	10700		mg/kg	8.28	1.27	2	08/02/23 22:00	08/14/23 17:08	EPA 3050B	1,6010D	DMB
Manganese, Total	3090		mg/kg	0.828	0.132	2	08/02/23 22:00	08/14/23 17:08	EPA 3050B	1,6010D	DMB
Mercury, Total	1.10		mg/kg	0.073	0.048	1	08/02/23 23:15	08/11/23 15:10	EPA 7471B	1,7471B	GMG
Nickel, Total	11.6		mg/kg	2.05	0.199	2	08/14/23 08:57	08/15/23 12:26	EPA 3050B	1,6010D	DMB
Potassium, Total	1230		mg/kg	207	11.9	2	08/02/23 22:00	08/14/23 17:08	EPA 3050B	1,6010D	DMB
Selenium, Total	ND		mg/kg	1.66	0.214	2	08/02/23 22:00	08/14/23 17:08	EPA 3050B	1,6010D	DMB
Silver, Total	ND		mg/kg	0.414	0.234	2	08/02/23 22:00	08/14/23 17:08	EPA 3050B	1,6010D	DMB
Sodium, Total	466		mg/kg	166	2.61	2	08/02/23 22:00	08/14/23 17:08	EPA 3050B	1,6010D	DMB
Thallium, Total	ND		mg/kg	1.66	0.261	2	08/02/23 22:00	08/14/23 17:08	EPA 3050B	1,6010D	DMB
Vanadium, Total	33.8		mg/kg	0.828	0.168	2	08/02/23 22:00	08/14/23 17:08	EPA 3050B	1,6010D	DMB
Zinc, Total	62.0		mg/kg	4.14	0.242	2	08/02/23 22:00	08/14/23 21:01	EPA 3050B	1,6010D	TAA



Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1810373-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Barium, Total	ND		mg/kg	0.400	0.070	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Copper, Total	ND		mg/kg	0.400	0.103	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Iron, Total	15.9		mg/kg	2.00	0.361	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Lead, Total	ND		mg/kg	2.00	0.107	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Manganese, Total	0.198	J	mg/kg	0.400	0.064	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Nickel, Total	1.08		mg/kg	1.00	0.097	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Potassium, Total	ND		mg/kg	100	5.76	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Silver, Total	ND		mg/kg	0.200	0.113	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Sodium, Total	5.66	J	mg/kg	80.0	1.26	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Vanadium, Total	0.116	J	mg/kg	0.400	0.081	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC

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): 01-06 Batch: WG1810376-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/02/23 23:15	08/11/23 16:09	1,7471B	GMG



Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1815441-1									
Chromium, Total	ND	mg/kg	0.400	0.038	1	08/14/23 08:57	08/14/23 14:13	1,6010D	EJF
Nickel, Total	ND	mg/kg	1.00	0.097	1	08/14/23 08:57	08/15/23 11:18	1,6010D	DMB

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1810373-2 SRM Lot Number: D119-540								
Aluminum, Total	86		-		48-152	-		
Antimony, Total	106		-		10-190	-		
Arsenic, Total	103		-		83-117	-		
Barium, Total	96		-		82-118	-		
Beryllium, Total	100		-		83-117	-		
Cadmium, Total	91		-		82-117	-		
Calcium, Total	98		-		81-118	-		
Cobalt, Total	101		-		83-117	-		
Copper, Total	100		-		84-116	-		
Iron, Total	118		-		60-140	-		
Lead, Total	107		-		82-118	-		
Magnesium, Total	97		-		76-124	-		
Manganese, Total	100		-		82-118	-		
Nickel, Total	108		-		82-117	-		
Potassium, Total	94		-		70-130	-		
Selenium, Total	106		-		79-121	-		
Silver, Total	106		-		80-120	-		
Sodium, Total	102		-		74-126	-		
Thallium, Total	101		-		81-119	-		
Vanadium, Total	100		-		79-121	-		
Zinc, Total	106		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1810376-2 SRM Lot Number: D119-540					
Mercury, Total	101	-	73-127	-	
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1815441-2 SRM Lot Number: D119-540					
Chromium, Total	106	-	82-119	-	
Nickel, Total	100	-	82-117	-	

Matrix Spike Analysis Batch Quality Control

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1810373-3 QC Sample: L2343987-01 Client ID: MS Sample												
Aluminum, Total	4020	198	4660	324	Q	-	-		75-125	-		20
Antimony, Total	ND	49.4	31.3	63	Q	-	-		75-125	-		20
Arsenic, Total	0.921J	11.8	12.3	104		-	-		75-125	-		20
Barium, Total	19.5	198	191	87		-	-		75-125	-		20
Beryllium, Total	0.320J	4.94	4.94	100		-	-		75-125	-		20
Cadmium, Total	0.108J	5.23	5.05	96		-	-		75-125	-		20
Calcium, Total	554	988	1500	96		-	-		75-125	-		20
Cobalt, Total	3.54	49.4	51.4	97		-	-		75-125	-		20
Copper, Total	7.02	24.7	29.3	90		-	-		75-125	-		20
Iron, Total	8160	98.8	9250	1100	Q	-	-		75-125	-		20
Lead, Total	6.57	52.3	56.4	95		-	-		75-125	-		20
Magnesium, Total	1740	988	2760	103		-	-		75-125	-		20
Manganese, Total	163	49.4	222	119		-	-		75-125	-		20
Nickel, Total	7.31B	49.4	54.3	95		-	-		75-125	-		20
Potassium, Total	541	988	1530	100		-	-		75-125	-		20
Selenium, Total	ND	11.8	11.5	97		-	-		75-125	-		20
Silver, Total	ND	4.94	4.09	83		-	-		75-125	-		20
Sodium, Total	77.4J	988	958	97		-	-		75-125	-		20
Thallium, Total	ND	11.8	11.3	95		-	-		75-125	-		20
Vanadium, Total	10.6	49.4	57.8	96		-	-		75-125	-		20
Zinc, Total	16.8	49.4	64.6	97		-	-		75-125	-		20

Matrix Spike Analysis Batch Quality Control

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1810376-3 QC Sample: L2343987-01 Client ID: MS Sample									
Mercury, Total	ND	1.8	1.78	99	-	-	80-120	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1815441-3 QC Sample: L2342825-01 Client ID: CONCRETE-3 TO 6-07252023									
Chromium, Total	16.2	16.5	37.2	127	Q	-	75-125	-	20
Nickel, Total	15.3	41.3	83.1	164	Q	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1810373-4 QC Sample: L2343987-01 Client ID: DUP Sample						
Aluminum, Total	4020	3760	mg/kg	7		20
Antimony, Total	ND	0.408J	mg/kg	NC		20
Arsenic, Total	0.921J	0.724J	mg/kg	NC		20
Barium, Total	19.5	17.5	mg/kg	11		20
Beryllium, Total	0.320J	0.296J	mg/kg	NC		20
Cadmium, Total	0.108J	0.10J	mg/kg	NC		20
Calcium, Total	554	533	mg/kg	4		20
Cobalt, Total	3.54	3.52	mg/kg	1		20
Copper, Total	7.02	6.46	mg/kg	8		20
Iron, Total	8160	7930	mg/kg	3		20
Lead, Total	6.57	5.76	mg/kg	13		20
Magnesium, Total	1740	1680	mg/kg	4		20
Potassium, Total	541	482	mg/kg	12		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	77.4J	77.2J	mg/kg	NC		20
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	10.6	10.3	mg/kg	3		20
Zinc, Total	16.8	16.4	mg/kg	2		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1810373-4 QC Sample: L2343987-01 Client ID: DUP Sample					
Manganese, Total	163	166	mg/kg	2	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1810376-4 QC Sample: L2343987-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1815441-4 QC Sample: L2342825-01 Client ID: CONCRETE-3 TO 6-07252023					
Chromium, Total	16.2	18.7	mg/kg	14	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1815441-4 QC Sample: L2342825-01 Client ID: CONCRETE-3 TO 6-07252023					
Nickel, Total	15.3	15.2	mg/kg	1	20

INORGANICS & MISCELLANEOUS

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-01
Client ID: CONCRETE-3 TO 6-07252023
Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 15:55
Date Received: 07/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.1		%	0.100	NA	1	-	07/28/23 08:52	121,2540G	ROI



Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-02
 Client ID: CONCRETE-08-01-07252023
 Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:00
 Date Received: 07/25/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.3		%	0.100	NA	1	-	07/28/23 08:52	121,2540G	ROI



Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-03
Client ID: CONCRETE-08-02-07252023
Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:05
Date Received: 07/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.6		%	0.100	NA	1	-	07/28/23 08:52	121,2540G	ROI



Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-04
Client ID: CONCRETE-10-01-07252023
Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:10
Date Received: 07/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.8		%	0.100	NA	1	-	07/28/23 08:52	121,2540G	ROI



Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-05
Client ID: CONCRETE-10-02-07252023
Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:15
Date Received: 07/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.0		%	0.100	NA	1	-	07/28/23 08:52	121,2540G	ROI



Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2342825-06
Client ID: CONCRETE-11-02-07252023
Sample Location: 3875 RIVER RD, TONAWANDA

Date Collected: 07/25/23 16:20
Date Received: 07/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.3		%	0.100	NA	1	-	07/28/23 08:52	121,2540G	ROI



Lab Duplicate Analysis

Batch Quality Control

Project Name: RITC
Project Number: CONCRETE SAMPLING

Lab Number: L2342825
Report Date: 08/17/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1808883-1 QC Sample: L2343410-02 Client ID: DUP Sample						
Solids, Total	93.7	93.7	%	0		20

Project Name: RITC
Project Number: CONCRETE SAMPLING

Serial_No:08172317:48
Lab Number: L2342825
Report Date: 08/17/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler **Custody Seal**
A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2342825-01A	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2342825-01B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L2342825-01C	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082-CNCRT(365),TS(7),NYTCL-8081(14),NYTCL-8270-CNCRT(14)
L2342825-01X	Vial MeOH preserved split	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2342825-01Y	Vial Water preserved split	A	NA		3.6	Y	Absent	31-JUL-23 12:52	NYTCL-8260-R2(14)
L2342825-01Z	Vial Water preserved split	A	NA		3.6	Y	Absent	31-JUL-23 12:52	NYTCL-8260-R2(14)
L2342825-02A	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2342825-02B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	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),CU-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2342825-02C	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082-CNCRT(365),TS(7),NYTCL-8081(14),NYTCL-8270-CNCRT(14)
L2342825-02X	Vial MeOH preserved split	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2342825-02X1	Vial MeOH preserved split	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2342825-02Y	Vial Water preserved split	A	NA		3.6	Y	Absent	31-JUL-23 12:52	NYTCL-8260-R2(14)
L2342825-02Z	Vial Water preserved split	A	NA		3.6	Y	Absent	31-JUL-23 12:52	NYTCL-8260-R2(14)
L2342825-03A	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2342825-03B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	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),ZN-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)

Project Name: RITC

Lab Number: L2342825

Project Number: CONCRETE SAMPLING

Report Date: 08/17/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2342825-03C	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		TS(7),NYTCL-8082-CNCRT(365),NYTCL-8081(14),NYTCL-8270-CNCRT(14)
L2342825-03X	Vial MeOH preserved split	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2342825-03X1	Vial MeOH preserved split	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2342825-03Y	Vial Water preserved split	A	NA		3.6	Y	Absent	31-JUL-23 12:52	NYTCL-8260-R2(14)
L2342825-03Z	Vial Water preserved split	A	NA		3.6	Y	Absent	31-JUL-23 12:52	NYTCL-8260-R2(14)
L2342825-04A	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2342825-04B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	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),PB-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),K-TI(180),CD-TI(180),NA-TI(180),CA-TI(180)
L2342825-04C	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		TS(7),NYTCL-8082-CNCRT(365),NYTCL-8081(14),NYTCL-8270-CNCRT(14)
L2342825-04X	Vial MeOH preserved split	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2342825-04X1	Vial MeOH preserved split	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2342825-04Y	Vial Water preserved split	A	NA		3.6	Y	Absent	31-JUL-23 12:52	NYTCL-8260-R2(14)
L2342825-04Z	Vial Water preserved split	A	NA		3.6	Y	Absent	31-JUL-23 12:52	NYTCL-8260-R2(14)
L2342825-05A	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2342825-05B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	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),ZN-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),PB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2342825-05C	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082-CNCRT(365),TS(7),NYTCL-8081(14),NYTCL-8270-CNCRT(14)
L2342825-05X	Vial MeOH preserved split	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2342825-05X1	Vial MeOH preserved split	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2342825-05Y	Vial Water preserved split	A	NA		3.6	Y	Absent	31-JUL-23 12:52	NYTCL-8260-R2(14)
L2342825-05Z	Vial Water preserved split	A	NA		3.6	Y	Absent	31-JUL-23 12:52	NYTCL-8260-R2(14)
L2342825-06A	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2342825-06B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	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),CU-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2342825-06C	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		TS(7),NYTCL-8082-CNCRT(365),NYTCL-8081(14),NYTCL-8270-CNCRT(14)
L2342825-06X	Vial MeOH preserved split	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2342825-06Y	Vial Water preserved split	A	NA		3.6	Y	Absent	31-JUL-23 12:52	NYTCL-8260-R2(14)
L2342825-06Z	Vial Water preserved split	A	NA		3.6	Y	Absent	31-JUL-23 12:52	NYTCL-8260-R2(14)

*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). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

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REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625.1: alpha-Terpineol

EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522, EPA 537.1.

Non-Potable Water

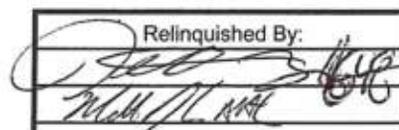
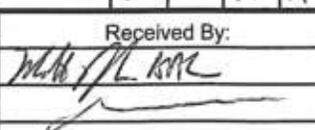
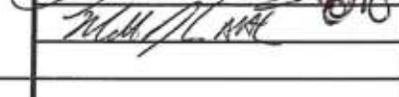
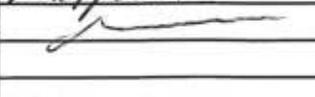
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 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 1 of 1	Date Rec'd in Lab 7/26/23	ALPHA Job # L2342825				
		Project Information Project Name: RITC Project Location: 3875 RIVER RD, TONAWANDA Project # CONCRETE SAMPLING (Use Project name as Project #) <input 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		Billing Information <input checked="" type="checkbox"/> Same as Client Info PO #			
Client Information Client: INVENTUM ENGINEERING Address: 441 CARLISLE DR HEARDON VA 20170 Phone: 585-734-5255 Fax: ROXANNE.BIRX@INVENTUMENG.COM Email: JOHN.BLACK@ " "		Project Manager: JOHN BLACK / CANDACE FOX ALPHAQuote #: _____ Turn-Around Time _____ Standard <input checked="" type="checkbox"/> Due Date: _____ Rush (only if pre approved) <input type="checkbox"/> # of Days: _____		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:			
These samples have been previously analyzed by Alpha <input type="checkbox"/> Other project specific requirements/comments: _____ Please specify Metals or TAL: _____				ANALYSIS		Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below)			
				TEL VOCs 8260	TEL SVOCs 8270	TAL METALS	PCBS	PESTICIDES	Total
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date Time		Sample Matrix	Sampler's Initials				
42825-01	CONCRETE-3166-07252023	7/25/23	1555	SOLID	RB	↓	↓	↓	↓
02	CONCRETE-08-01-07252023	↓	1600	↓	↓	↓	↓	↓	
03	CONCRETE-08-02-07252023	↓	1605	↓	↓	↓	↓	↓	
04	CONCRETE-10-01-07252023	↓	1610	↓	↓	↓	↓	↓	
05	CONCRETE-10-02-07252023	↓	1615	↓	↓	↓	↓	↓	
06	CONCRETE-11-02-07252023	↓	1620	↓	↓	↓	↓	↓	
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 7/25/2023		Received By: 		Date/Time 7/25/23 1648	
		Relinquished By: 		Date/Time 7/25/23 1642		Received By: 		Date/Time 7/26/23 0100	