INVENTUM ENGINEERING, PC

March 14, 2024

Benjamin McPherson, P.E.
New York State Department of Environmental Conservation (NYSDEC)
700 Delaware Avenue
Buffalo, NY 14209

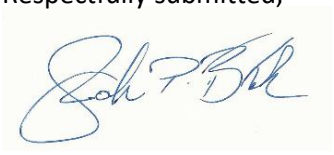
RE: Data Transmittal
Riverview Innovation & Technology Campus, Inc.
Brownfield Cleanup Program Site No. C915353
Town of Tonawanda, New York

Dear Mr. McPherson:

Inventum Engineering, P.C. (Inventum), on behalf of Riverview Innovation & Technology Campus, Inc. (Riverview), is transmitting summary tables for analytical data collected at the Riverview BCP Site along with corresponding figures and memorandums. A full summary of the data being transmitted is shown on the enclosed table and provided electronically on the enclosed flash drive.

Please let us know if you have any questions. I can be reached by e-mail at John.Black@InventumEng.com.

Respectfully submitted,



John P. Black, P.E.
Partner

Enclosures

CC (w/ Attachment):
Angela L. Martin (New York State Department of Health)

CC (w/o Attachment):
John Yensan (OSC)

Data Transmittal - Summary Table
Riverview Innovation Technology Campus
Brownfield Cleanup Program Site No. C915353
Town of Tonawanda, New York

March 14, 2024

	Document	Comments	Status
Appendix A - Groundwater Treatment IRM	Table 1A - 2023 Treatment System Data	Monthly Influent and Effluent (Treatment System)	Complete
	Table 2A - 2023 Treatment System Data	Between Carbon Vessels (Treatment System)	Complete
	Groundwater IRM 2022 Summary Report	Submitted a revised version to NYSDEC on March 4, 2024	Complete
	Appendix A_GWTS Data	Native Excel File	Complete
Appendix B - AST Data Summary		Tables 1B through 11B represent the proposed groupings of tank CCRs. Analytical data for AST contents will be submitted with the CCRs. Tank contents data were used for waste and disposal profiling and are not considered data supporting the AAR, not include with this transmittal.	Data will be included in CCRs.
	Table 1B - Tanks and Railcars Update (Tabular Tracking Spreadsheet)		
	Table 2B - Tank Management and Closure Workplan Rail Cars		
	Table 3B - Tank Management and Closure Workplan Caustic Tanks		
	Table 4B - Tank Management and Closure Workplan Water Treatment Area Tanks		
	Table 5B - Tank Management and Closure Workplan Tar Management Area Tanks		
	Table 6B - Tank Management and Closure Workplan Weak Ammonia Liquor Tanks		
	Table 7B - Tank Management and Closure Workplan Light Oil Area Tanks		
	Table 8B - Tank Management and Closure Workplan Oil Water Separator "Think Safety" Tank		
	Table 9B - Tank Management and Closure Workplan Gas Ball		
	Table 10B - Tank Management and Closure Workplan Registered PBS Tanks ST04, ST05, and ST07		
	Table 11B - Tank Management and Closure Workplan Registered CBS Tank ST06		
	Table 12B - ST24 Bioremediation IRM ST24 Area Investigation	This table was submitted with an associated figure in the ST24 Bioremediation Workplan IRM (Inventum, 2022). The table has been included with this submission for completeness.	Complete
	Table 13B - ST24 Bioremediation IRM Pre-Amendment Sampling		Complete
	Table 14B - ST24 Bioremediation IRM 3-Month Inspection Sampling		Complete
	Figure 1B - ST24 Bioremediation IRM Pre-Amendment and 3-Month Sampling		
	Attachment 1B - Weekly Tank Summaries (All)	Previously provided during AST decontamination and removal, not include with this transmittal	Complete
	Tables 12B-14B	Native Excel File	Complete
Appendix C - Secondary Containment Data			
Tables 1C through 10C correspond to Table 1 - Subsurface Soil Sampling Program in the Secondary Containment Closure IRM Work Plan [Inventum, 2021].	Table 1C - Secondary Containment Work Plan - Closure Sampling Former Light Oil Area Tanks ST03, ST04, and ST05 "Bullet Tanks"		Complete
	Table 2C - Secondary Containment Work Plan - Closure Sampling Former Light Oil Area Tanks ST03, ST04, and ST05 "Bullet Tanks" Excavation Water	An aqueous sample has been added to this sample set at the request of NYS DEC in January 2024.	Complete
	Table 3C - Secondary Containment Work Plan - Closure Sampling Former Light Oil Building Sub-Slab	This table was included to complement the data from the Bullet tanks and Diesel Pad Area.	Complete
	Table 4C - Secondary Containment Work Plan - Closure Sampling Diesel Truck Loading/Unloading Pad	This table was included to complement the data from the Bullet tanks and former Light Oil Building Area.	Complete
	Table 5C - Secondary Containment Work Plan - Closure Sampling Light Oil Area Tanks PT04, PT12, and PT13		Complete
	Table 6C - Secondary Containment Work Plan - Closure Sampling Lid Seal Tank ST06	Methanol was added to this sample set at the request of NYS DEC in 2021.	Complete
	Table 7C - Secondary Containment Work Plan - Closure Sampling Waste Oil Tank ST07		Complete
	Table 8C - Secondary Containment Work Plan - Closure Sampling Weak Ammonia Liquor Area Tanks ST01, ST02, PT02, and PT03	35 samples were initially proposed based on the square footage of Weak Ammonia Liquor Area and a contingency around the secondary containment, since the containment was constructed well after the tanks were in place. Testing pitting around the secondary containment structure indicated there were not gross impacts outside the walls. 23 samples were collected based on the calculated area of the containment.	Complete
	Table 9C - Secondary Containment Work Plan - Closure Sampling Oil Water Separator Tank PT01 - "Think Safety"		Complete
	Table 10C - Secondary Containment Work Plan - Closure Sampling Former Caustic Tank ST10		Complete
	Figure 1C - Secondary Containment Sample Locations		Complete
	Tables 1C - 10C	Native Excel File	Complete

Appendix D - Pre-Design Investigation Data			
Soil Boring Data and Groundwater Data	Table 1D - PDI Soil Boring Data Table 2D - Monitoring Well Sampling Data Table 3D - Test Pit Sampling Data Table 4D - Surface Sample Data	Tables 1D - 4D correspond to Tables 2-2 through 2-4 of the Pre-Design Investigation IRM Work Plan (Inventum, 2023).	Complete
Solidification Bench Scale Testing Data	Table 5D - Tar Seep 2 Table 6D - Bench-scale Testing - Light Oil Table 7D - Bench-scale Testing - WAL Table 8D - Bench-scale Testing - Exhauster Building Table 9D - Bench-scale Testing - Tar Management Table 10D - Bench-scale Testing - Tar Management Sumps Table 11D - Bench-scale Testing - Pump House Table 12D - Bench-scale Testing - Iron Oxide Pile Table 13D - Bench-scale Testing - Blue Stained Fill	Table 9D shows bench scale testing results of the sump materials in Tar Management. After adding the reagents, nearly all the material remained characteristically hazardous for benzene. The sump materials were disposed with the listed K087/K143 sludge disposed in January 2024.	Complete
Building Sub-Slab Sampling	Table 14D - Building Foundations Sub-Slab Soil Sampling BCP-06 - The Oil House	Various sub-slab sampling data have been included in this transmittal.	Complete
	Table 15D - Building Foundations Sub-Slab Soil Sampling BCP-66 - Compressor Building		
	Table 16D - Building Foundations Sub-Slab Soil Sampling BCP-38 Pump House		
Proposed Borrow Pit Clay	See Table 1D - PDI Soil Boring Data	Geotechnical reports will be included in the Remedial Action Work Plan	Complete
Shallow Groundwater Data	Figure 1D - Groundwater Elevation Figures		Complete
Pre-Design Investigation Locations	Figure 2D - Pre-Design Investigation Locations		Complete
	Figure 3D - Pre-Design & Remedial Investigation Locations		Complete
	Figure 4D - Building Foundations Sub-Slab Soil Sampling Locations		Complete
Native Excel Files	Table_1D_2D_3D Table_4D Table_5D-13D Table_14D - 16D	Native Excel Files	Complete

Appendix E- Process Equipment Data			
	Table 1E - Process Equipment IRM Process Vessel Contents	Table 1E summarizes the characterization samples of Process Vessel contents and corresponds to the Process Equipment IRM Work Plan [Inventum, 2022]. 1. PV1 was RCRA empty with only a few yards of material. The low volume was not sampled and added to the K143 pile in the Tar Management Secondary Containment (disposed in November - December, 2022). 2. PV2, PV3, and PV9 were empty. 3. PV5 was the most accessible Ammonia Scrubber and represented PV4, 5, 6, and 7. 4. PV10 was sampled twice; once for the black solid accessible through the flange when it was standing, and once for the wood packing material after it was demolished.	Complete
	Figure 1E - Process Equipment IRM Locations		Complete
	Table 1E	Native Excel File	Complete

Appendix F- Latest Solidification Program Data Summary			
	Weekly Summary - Appendix 1F - Latest Solidification Tracker (Week of 3/4/2024)	Native Excel File	Ongoing
	Table 1F - Breeze Summary Table	Updated week of 3/4/2024	Ongoing
	Figure 1F - ISS Grid	Updated week of 3/4/2024	Ongoing
	Table 1F	Native Excel File	Ongoing

Table 1A
2023 Groundwater Treatment System Monthly Data
Riverview Innovation Technology Campus - RITC
Tonawanda, New York

Analytes	Class GA Ambient Water Quality	Units	Influent-011223		Effluent-011223		Influent-02222023		Effluent-0222023		Influent-03092023		Effluent-03092023		Influent-04132023		Effluent-04132023		Influent-05042023		Effluent-05042023		Influent-06092023		Effluent-06092023	
	Sample Date		1/12/2023		1/12/2023		2/22/2023		2/22/2023		3/9/2023		3/9/2023		4/13/2023		4/13/2023		5/4/2023		5/4/2023		6/9/2023		6/9/2023	
			January Monthly		January Monthly		February Monthly		February Monthly		March Monthly		March Monthly		April Monthly		April Monthly		May Monthly		May Monthly		June Monthly		June Monthly	
TCL VOCs (SW8260)																										
1,1,1-Trichloroethane (TCA)	5	ug/l	<2.00	U	<2.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,1,2,2-Tetrachloroethane	5	ug/l	<2.00	U	<2.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,1,2-Trichloroethane	1	ug/l	<2.00	U	<2.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,1-Dichloroethane	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,1-Dichloroethene	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,2,3-Trichlorobenzene	5	ug/l	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U
1,2,4-Trichlorobenzene	5	ug/l	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U
1,2-Dibromo-3-Chloropropane	0.04	ug/l	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,2-Dichlorobenzene	3	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,2-Dichloroethane	0.6	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,2-Dichloropropane	1	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,3-Dichlorobenzene	3	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,3,5-Trimethylbenzene	5	ug/l	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
1,2,4-Trimethylbenzene	5	ug/l	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
1,4-Dichlorobenzene	3	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,4-Dioxane (P-Dioxane)	-	ug/l	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U
Methyl Ethyl Ketone (2-Butanone)	50	ug/l	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U
2-Hexanone	50	ug/l	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	-	ug/l	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U
Acetone	50	ug/l	<10.0	U	<10.0	U	<10.0	U	11.70		<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U
Benzene	1	ug/l	161.00		43.80		70.20		14.2		50.8		36.1		24.6		2.18		37.1		5.89		<1.00	U	<1.00	U
Bromochloromethane	5	ug/l	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U
Bromodichloromethane	50	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Bromoform	50	ug/l	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U
Bromomethane	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Carbon Disulfide	-	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Carbon Tetrachloride	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Chlorobenzene	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Chloroethane	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Chloroform	7	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Chloromethane	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Cyclohexane	-	ug/l	<10.0	U	<10.00	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U
Dibromochloromethane	50	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Dichlorodifluoromethane	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Methylene Chloride	5	ug/l	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	12.6		13		<5.00	U	<5.00	U
Naphthalene	10	ug/l	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Ethylbenzene	5	ug/l	7.24		3.66		6.21		2.11		3.15		5.5		6.07		2.16		14		2.77		<2.00	U	<2.00	U
Isopropylbenzene (Cumene)	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Methyl Acetate	-	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Tert-Butyl Methyl Ether	-	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Methylcyclohexane	-	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Styrene	5	ug/l	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U
Tetrachloroethylene (PCE)	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Toluene	5	ug/l	31.6		8.63		12.7		3.58		12.2		10.1		4.45		<2.00	U	4.72		<2.00	U	<2.00	U	<2.00	U
Trichloroethylene (TCE)	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Trichlorofluoromethane	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Vinyl Chloride	2	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Cis-1,2-Dichloroethylene	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Cis-1,3-Dichloropropene	0.4	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
m,p-Xylene	5	ug/l	10.8		4.63		6.79		2.02		5.81		6.86		4.34		<2.00	U	7.52		2.2		2.02		<2.00	U
O-Xylene (1,2-Dimethylbenzene)	5	ug/l	6.6		3.18		4.79		<2.00	U	3.02		4.99		3.92		<2.00	U	8.02		2.04		<2.00	U	<2.00	U
Trans-1,2-Dichloroethene	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Trans-1,3-Dichloropropene	0.4	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U

Table 1A
2023 Groundwater Treatment System Monthly Data
Riverview Innovation Technology Campus - RITC
Tonawanda, New York

Analytes	Class GA Ambient Water Quality	Units	Influent-011223		Effluent-011223		Influent-02222023		Effluent-0222023		Influent-03092023		Effluent-03092023		Influent-04132023		Effluent-04132023		Influent-05042023		Effluent-05042023		Influent-06092023		Effluent-06092023	
	Sample Date		1/12/2023		1/12/2023		2/22/2023		2/22/2023		3/9/2023		3/9/2023		4/13/2023		4/13/2023		5/4/2023		5/4/2023		6/9/2023		6/9/2023	
			January Monthly		January Monthly		February Monthly		February Monthly		March Monthly		March Monthly		April Monthly		April Monthly		May Monthly		May Monthly		June Monthly		June Monthly	
TCL SVOCs (SW8270)																										
1,1-Biphenyl	5	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
1,2,4,5-Tetrachlorobenzene	5	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
1,2,4-Trichlorobenzene	5	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
1,2-Dichlorobenzene	3	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
1,3-Dichlorobenzene	3	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
1,4-Dichlorobenzene	3	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
2,3,4,6-Tetrachlorophenol	-	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
2,4,5-Trichlorophenol	-	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
2,4,6-Trichlorophenol	-	ug/L	<20.0	U	<20.0	U	<19.4	U	<20.1	U	<40.0	U	<20.0	U	<20.0	U	<20.5	U	<20.0	U	<103	U	<20.0	U	<20.0	U
2,4-Dichlorophenol	5	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
2,4-Dimethylphenol	50	ug/L	<10.0	U	10.70		<9.68	U	<10.1	U	<20.0	U	12.2		<10.0	U	<10.2	U	15.4		240		<10.0	U	<10.0	U
2,4-Dinitrophenol	10	ug/L	<20.0	U	<20.0	U	<19.4	U	<20.1	U	<40.0	U	<20.0	U	<20.0	U	<20.5	U	<20.0	U	<103	U	<20.0	U	<20.0	U
2,4-Dinitrotoluene	5	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
2,6-Dinitrotoluene	5	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
2-Chloronaphthalene	10	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
2-Chlorophenol	-	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
2-Methylnapthalene	-	ug/L	<10.0	U	<10.0	U	16.3		<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
2-Methylphenol (O-Cresol)	1	ug/L	<10.0	U	12.10		13.60		<10.1	U	21.2		16.7		12.6		<10.2	U	24.8		333		<10.0	U	<10.0	U
2-Nitroaniline	5	ug/L	<20.0	U	<20.0	U	<19.4	U	<20.1	U	<40.0	U	<20.0	U	<20.0	U	<20.5	U	<20.0	U	<103	U	<20.0	U	<20.0	U
2-Nitrophenol	-	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
3,3'-Dichlorobenzidine	5	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Cresols, M & P (3&4-Methylphenol)	-	ug/L	<10.0	U	10.50		17.30		<10.1	U	27.4		20.7		12.5		<10.2	U	28.1		503		<10.0	U	<10.0	U
3-Nitroaniline	5	ug/L	<20.0	U	<20.0	U	<19.4	U	<20.1	U	<40.0	U	<20.0	U	<20.0	U	<20.5	U	<20.0	U	<103	U	<20.0	U	<20.0	U
4,6-Dinitro-2-Methylphenol (4,6-Dinitro-o-cresol)	-	ug/L	<20.0	U	<20.0	U	<19.4	U	<20.1	U	<40.0	U	<20.0	U	<20.0	U	<20.5	U	<20.0	U	<103	U	<20.0	U	<20.0	U
4-Bromophenyl Phenyl Ether	-	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
4-Chloro-3-Methylphenol (P-Chloro-m-cresols)	-	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
4-Chloroaniline	5	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
4-Chlorophenyl Phenyl Ether	-	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
4-Nitroaniline	5	ug/L	<20.0	U	<20.0	U	<19.4	U	<20.1	U	<40.0	U	<20.0	U	<20.0	U	<20.5	U	<20.0	U	<103	U	<20.0	U	<20.0	U
4-Nitrophenol	-	ug/L	<20.0	U	<20.0	U	<19.4	U	<20.1	U	<40.0	U	<20.0	U	<20.0	U	<20.5	U	<10.0	U	<103	U	<20.0	U	<20.0	U
Acenaphthene	20	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Acenaphthylene	-	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Acetophenone	-	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Anthracene	50	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Benzo(A)Anthracene	0.002	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Benzo(A)Pyrene	-	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Benzo(B)Fluoranthene	0.002	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Benzo(G,H,I)Perylene	-	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Benzo(K)Fluoranthene	0.002	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Biphenyl (Diphenyl)	5	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Bis(2-Chloroisopropyl) Ether	5	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Bis(2-Chloroethoxy) Methane	5	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Bis(2-Ethylhexyl) Phthalate	5	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Benzyl Butyl Phthalate	50	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Carbazole	-	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Chrysene	0.002	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Di-N-Butyl Phthalate	50	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Di-N-Octylphthalate	50	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	42.6		<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Dibenz(A,H)Anthracene	-	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Dibenzofuran	-	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Diethyl Phthalate	50	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Dimethyl Phthalate	50	ug/L	<20.0	U	<20.0	U	<19.4	U	<20.1	U	<40.0	U	<20.0	U	<20.0	U	<20.5	U	<20.0	U	<103	U	<20.0	U	<20.0	U
Fluoranthene	50	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Fluorene	50	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Hexachlorobenzene	0.04	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Hexachlorobutadiene	0.5	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Hexachlorocyclopentadiene	5	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Hexachloroethane	5	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Indeno(1,2,3-C,D)Pyrene	0.002	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Isophorone	50	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
NDPA/DPA	-	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
N-Nitrosodi-N-Propylamine	-	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Naphthalene	10	ug/L	60.10		10.30		82.70		<10.1	U	20.2		51.1		<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Nitrobenzene	0.4	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Pentachlorophenol	1	ug/L	<20.0	U	<20.0	U	<19.4	U	<20.1	U	<40.0	U	<20.0	U	<20.0	U	<20.5	U	<20.0	U	<103	U	<20.0	U	<20.0	U
Phenanthrene	50	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Phenol	1	ug/L	<10.0	U	<10.0	U	18.50		<10.1	U	14.4	U	11.1	U	22.5		<10.2	U	37.9		139		<10.0	U	<10.0	U
Pyrene	50	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Pyridine	50	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Atrazine	-	ug/L	<25.0	U	<25.0	U	<24.2	U	<25.2	U	<50.0	U	<25.0	U	<25.0	U	<25.6	U	<25.0	U	<129	U	<25.0	U	<25.0	U
Benzaldehyde	-	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U
Caprolactam	-	ug/L	<10.0	U	<10.0	U	<9.68	U	<10.1	U	<20.0	U	<9.98	U	<10.0	U	<10.2	U	<10.0	U	<51.4	U	<10.0	U	<10.0	U

Table 1A
2023 Groundwater Treatment System Monthly Data
Riverview Innovation Technology Campus - RITC
Tonawanda, New York

Analytes	Class GA Ambient Water Quality	Units	Influent-011223		Effluent-011223		Influent-02222023		Effluent-0222023		Influent-03092023		Effluent-03092023		Influent-04132023		Effluent-04132023		Influent-05042023		Effluent-05042023		Influent-06092023		Effluent-06092023	
Sample Date			1/12/2023		1/12/2023		2/22/2023		2/22/2023		3/9/2023		3/9/2023		4/13/2023		4/13/2023		5/4/2023		5/4/2023		6/9/2023		6/9/2023	
			January Monthly		January Monthly		February Monthly		February Monthly		March Monthly		March Monthly		April Monthly		April Monthly		May Monthly		May Monthly		June Monthly		June Monthly	
TCL SVOCs (EPA 625.1)																										
1,2,4-Trichlorobenzene	-	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		<10.0	U	NS		NS	
1,2-Diphenylhydrazine (Azobenzene)	ND	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		<10.0	U	NS		NS	
2,4,5-Trichlorophenol	-	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
2,4,6-Trichlorophenol	-	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		<10.0	U	NS		NS	
2,4-Dichlorophenol	5	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		<10.0	U	NS		NS	
2,4-Dimethylphenol	50	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		97.9		NS		NS	
2,4-Dinitrophenol	10	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		<20.0	U	NS		NS	
2,4-Dinitrotoluene	5	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		<10.0	U	NS		NS	
2,6-Dinitrotoluene	5	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		<10.0	U	NS		NS	
2-Chloronaphthalene	10	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		<10.0	U	NS		NS	
2-Chlorophenol	-	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		<10.0	U	NS		NS	
2-Methylnapthalene	-	ug/L	314		<10.0		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
2-Methylphenol (O-Cresol)	-	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
2-Nitrophenol	-	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		<10.0	U	NS		NS	
3,3'-Dichlorobenzidine	5	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		<10.0	U	NS		NS	
Cresols, M & P (3&4-Methylphenol)	-	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
4,6-Dinitro-2-Methylphenol (4,6-Dinitro-o-cresol)	-	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		<20.0	U	NS		NS	
4-Bromophenyl Phenyl Ether	-	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		<10.0	U	NS		NS	
4-Chloro-3-Methylphenol (p-Chloro-m-cresol)	-	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		<10.0	U	NS		NS	
4-Chloroaniline	5	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
4-Chlorophenyl Phenyl Ether	-	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		<10.0	U	NS		NS	
4-Nitrophenol	-	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		<20.0	U	NS		NS	
Acenaphthene	20	ug/L	<100	U	<10.0	U	<9.68	U	<9.80	U	<10.0	U	<10.0	U	<10.0	U	<10.7	U	<20.0	U	<10.0	U	<10.0	U	<10.0	U
Acenaphthylene	-	ug/L	<100	U	<10.0	U	<9.68	U	<9.80	U	<10.0	U	<10.0	U	<10.0	U	<10.7	U	<20.0	U	<10.0	U	<10.0	U	<10.0	U
Acetone	50	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Anthracene	50	ug/L	<100	U	<10.0	U	<9.68	U	<9.80	U	<10.0	U	<10.0	U	<10.0	U	<10.7	U	<20.0	U	<10.0	U	<10.0	U	<10.0	U
Azobenzene	5	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Benzidine	5	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Benzo(A)Anthracene	0.002	ug/L	<100	U	<10.0	U	<9.68	U	<9.80	U	<10.0	U	<10.0	U	<10.0	U	<10.7	U	54.7		<10.0	U	<10.0	U	<10.0	U
Benzo(A)Pyrene	-	ug/L	<100	U	<10.0	U	<9.68	U	<9.80	U	<10.0	U	<10.0	U	<10.0	U	<10.7	U	23.3		<10.0	U	<10.0	U	<10.0	U
Benzo(B)Fluoranthene	0.002	ug/L	<100	U	<10.0	U	<9.68	U	<9.80	U	<10.0	U	<10.0	U	<10.0	U	<10.7	U	31.5		<10.0	U	<10.0	U	<10.0	U
Benzo(G,H,I)Perylene	-	ug/L	<100	U	<10.0	U	<9.68	U	<9.80	U	<10.0	U	<10.0	U	<10.0	U	<10.7	U	<20.0	U	<10.0	U	<10.0	U	<10.0	U
Benzo(K)Fluoranthene	0.002	ug/L	<100	U	<10.0	U	<9.68	U	<9.80	U	<10.0	U	<10.0	U	<10.0	U	<10.7	U	23		<10.0	U	<10.0	U	<10.0	U
Benzyl Alcohol	-	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Benzoic Acid	-	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Bis(2-Chloroethoxy) Methane	5	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Bis(2-Chloroisopropyl)ether	-	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Bis(2-Ethylhexyl) Phthalate	5	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Benzyl Butyl Phthalate	50	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Chrysene	0.002	ug/L	<100	U	<10.0	U	<9.68	U	<9.80	U	<10.0	U	<10.0	U	<10.0	U	<10.7	U	47.2		<10.0	U	<10.0	U	<10.0	U
Di-N-Butyl Phthalate	50	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Di-N-Octylphthalate	50	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Dibenz(A,H)Anthracene	-	ug/L	<100	U	<10.0	U	<9.68	U	<9.80	U	<10.0	U	<10.0	U	<10.0	U	<10.7	U	<20.0	U	<10.0	U	<10.0	U	<10.0	U
Dibenzofuran	-	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Diethyl Phthalate	50	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Dimethyl Phthalate	50	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Fluoranthene	50	ug/L	<100	U	<10.0	U	<9.68	U	<9.80	U	<10.0	U	<10.0	U	<10.0	U	<10.7	U	90.3		<10.0	U	<10.0	U	<10.0	U
Fluorene	50	ug/L	102.00		<10.0	U	<9.68	U	<9.80	U	<10.0	U	<10.0	U	<10.0	U	<10.7	U	70.8		<10.0	U	<10.0	U	<10.0	U
Hexachlorobenzene	0.04	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Hexachlorobutadiene	0.5	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Hexachlorocyclopentadiene	5	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Hexachloroethane	5	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Indeno(1,2,3-C,D)Pyrene	0.002	ug/L	<100	U	<10.0	U	<9.68	U	<9.80	U	<10.0	U	<10.0	U	<10.0	U	<10.7	U	<20.0	U	<10.0	U	<10.0	U	<10.0	U
Isophorone	50	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
N-Nitrosodimethylamine	-	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
N-Nitrosodi-N-Propylamine	-	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
N-Nitrosodiphenylamine (NDPA)	50	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Naphthalene	10	ug/L	911.00		<10.0	U	82.70		<9.80	U	26.3		46		<10.0	U	<10.7	U	169		<10.0	U	<10.0	U	<10.0	U
Nitrobenzene	0.4	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Pentachlorophenol	1	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Phenanthrene	50	ug/L	107.00		<10.0	U	<9.68	U	<9.80	U	<10.0	U	<10.0	U	<10.0	U	<10.7	U	110		<10.0	U	<10.0	U	<10.0	U
Phenol	1	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Pyrene	50	ug/L	<100	U	<10.0	U	<9.68	U	<9.80	U	<10.0	U	<10.0	U	<10.0	U	<10.7	U	59		<10.0	U	<10.0	U	<10.0	U
Pyridine	-	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	

Table 1A
2023 Groundwater Treatment System Monthly Data
Riverview Innovation Technology Campus - RITC
Tonawanda, New York

Analytes	Class GA Ambient Water Quality	Units	Influent-011223		Effluent-011223		Influent-02222023		Effluent-0222023		Influent-03092023		Effluent-03092023		Influent-04132023		Effluent-04132023		Influent-05042023		Effluent-05042023		Influent-06092023		Effluent-06092023	
Sample Date			1/12/2023		1/12/2023		2/22/2023		2/22/2023		3/9/2023		3/9/2023		4/13/2023		4/13/2023		5/4/2023		5/4/2023		6/9/2023		6/9/2023	
			January Monthly		January Monthly		February Monthly		February Monthly		March Monthly		March Monthly		April Monthly		April Monthly		May Monthly		May Monthly		June Monthly		June Monthly	
TAL Metals (SW6010)																										
Aluminum	-	mg/L	0.125		<0.100	U	2.98		3.08		<0.100	U	3.11		1.68		0.294		0.507		<0.100	U	<0.100	U	<0.100	U
Antimony	0.003	mg/L	<0.0600	U	<0.0600	U	<0.0600	U	<0.0600	U	<0.0600	U	<0.0600	U	<0.0600	U	<0.0600	U	<0.0600	U	<0.0600	U	<0.0600	U	<0.0600	U
Arsenic	0.025	mg/L	<0.0100	U	<0.0100	U	0.0245		<0.0100	U	<0.100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U
Barium	1	mg/L	<0.0100	U	<0.100	U	0.168		<0.100	U	<0.100	U	<0.100	U	<0.100	U	<0.100	U	<0.100	U	<0.100	U	<0.100	U	<0.100	U
Beryllium	0.003	mg/L	<0.00500	U	<0.00500	U	<0.00500	U	<0.00500	U	<0.00500	U	<0.00500	U	<0.00500	U	<0.00500	U	<0.00500	U	<0.00500	U	<0.00500	U	<0.00500	U
Cadmium	0.005	mg/L	<0.00500	U	<0.00500	U	<0.00500	U	<0.00500	U	<0.00500	U	<0.00500	U	<0.00500	U	<0.00500	U	<0.00500	U	<0.00500	U	<0.00500	U	<0.00500	U
Calcium	-	mg/L	207.00		205.00		225.00		242.00		212		206		268		205		205		188		196		229	
Chromium, Total	0.05	mg/L	<0.0100	U	<0.0100		0.0189		<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U
Cobalt	-	mg/L	<0.0500	U	<0.0500	U	<0.0500	U	<0.0500	U	<0.0500	U	<0.0500	U	<0.0500	U	<0.0500	U	<0.0500	U	<0.0500	U	<0.0500	U	<0.0500	U
Copper	0.2	mg/L	<0.0200	U	<0.0200	U	0.278		<0.0200	U	<0.0200	U	<0.0200	U	0.04488	D	0.0515		<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U
Iron	0.3	mg/L	6.36		0.286		22.3		1.18		5.72		2.46		5.08	M	0.17		3.57		<0.100	U	2.09		0.795	
Lead	0.025	mg/L	<0.0100	U	<0.0100	U	0.362		<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U
Magnesium	35	mg/L	27.40		27.10		31.40		33.20		26.1		28.1		27.9	M	23.2		23.3		23	M	31.4		28.2	
Manganese	0.3	mg/L	1.10		1.00		1.49		1.47		1.05		1.15		0.852		0.536		0.563		0.663		0.676		0.754	
Nickel	0.1	mg/L	<0.0400	U	<0.0400	U	<0.0400	U	<0.0400	U	<0.0400	U	<0.0400	U	<0.0400	U	<0.0400	U	<0.0400	U	<0.0400	U	<0.0400	U	<0.0400	U
Potassium	-	mg/L	16.30		13.00		14.40		15.90		13		11.5		19.1		12		14.5		15.5		14.3		22.9	
Selenium	0.01	mg/L	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U
Silver	0.05	mg/L	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U
Sodium	20	mg/L	84.30		78.50		69.00		77.20		56.1		56.4		63	M	58.7		79.3		76.4	M	120		89	
Thallium	0.0005	mg/L	<0.0250	U	<0.0250	U	<0.0250	U	<0.0250	U	<0.0250	U	<0.0250	U	<0.0250	U	<0.0250	U	<0.0250	U	<0.0250	U	<0.0250	U	<0.0250	U
Vanadium	-	mg/L	<0.0250	U	<0.0250	U	<0.0250	U	<0.0250	U	<0.0250	U	<0.0250	U	<0.0250	U	<0.0250	U	<0.0250	U	<0.0250	U	<0.0250	U	<0.0250	U
Zinc	2	mg/L	<0.0600	U	<0.0600	U	0.406		<0.0600	U	<0.0600	U	<0.0600	U	<0.0600	U	<0.0600	U	<0.0600	U	<0.0600	U	<0.0600	U	<0.0600	U
Mercury EPA 1631E																										
Low Level Mercury	700	ng/l	31.40		5.80		20.30		15.70		24.9		5.3		290		7.2		300		2.8		5.4		0.6	
Cyanide (SW9012B/ KELADA-01)																										
Cyanide	0.20	mg/L	0.062		0.018		0.07		0.064		0.064		0.035		0.038		0.02		0.082		0.039		0.065		0.022	
PCBs (8082A)																										
PCB-1016 (Aroclor 1016)	0.09	ug/L	<1.00	U	<1.00	U	<0.964	U	<0.958	U	<1.00	U	<1.01	U	<1.00	U	<1.00	U	<1.00	U	<1.03	U	<1.00	U	<1.00	U
PCB-1221 (Aroclor 1221)	0.09	ug/L	<1.00	U	<1.00	U	<0.964	U	<0.958	U	<1.00	U	<1.01	U	<1.00	U	<1.00	U	<1.00	U	<1.03	U	<1.00	U	<1.00	U
PCB-1232 (Aroclor 1232)	0.09	ug/L	<1.00	U	<1.00	U	<0.964	U	<0.958	U	<1.00	U	<1.01	U	<1.00	U	<1.00	U	<1.00	U	<1.03	U	<1.00	U	<1.00	U
PCB-1242 (Aroclor 1242)	0.09	ug/L	<1.00	U	<1.00	U	<0.964	U	<0.958	U	<1.00	U	<1.01	U	<1.00	U	<1.00	U	<1.00	U	<1.03	U	<1.00	U	<1.00	U
PCB-1248 (Aroclor 1248)	0.09	ug/L	<1.00	U	<1.00	U	<0.964	U	<0.958	U	<1.00	U	<1.01	U	<1.00	U	<1.00	U	<1.00	U	<1.03	U	<1.00	U	<1.00	U
PCB-1254 (Aroclor 1254)	0.09	ug/L	<1.00	U	<1.00	U	<0.964	U	<0.958	U	<1.00	U	<1.01	U	<1.00	U	<1.00	U	<1.00	U	<1.03	U	<1.00	U	<1.00	U
PCB-1260 (Aroclor 1260)	0.09	ug/L	<1.00	U	<1.00	U	<0.964	U	<0.958	U	<1.00	U	<1.01	U	<1.00	U	<1.00	U	<1.00	U	<1.03	U	<1.00	U	<1.00	U
PCB-1260 (Aroclor 1262)	0.09	ug/L	<1.00	U	<1.00	U	<0.964	U	<0.958	U	<1.00	U	<1.01	U	<1.00	U	<1.00	U	<1.00	U	<1.03	U	<1.00	U	<1.00	U
PCB-1260 (Aroclor 1268)	0.09	ug/L	<1.00	U	<1.00	U	<0.964	U	<0.958	U	<1.00	U	<1.01	U	<1.00	U	<1.00	U	<1.00	U	<1.03	U	<1.00	U	<1.00	U
Pesticides (8081B)																										
4,4'-DDD	0.3	ug/L	<0.099	U	<0.100	U	<0.095	U	<0.100	U	<0.100	U	<0.100	U	<0.097	U	<0.096	U	<0.096	U	<0.100	U	<0.095	U	<0.096	U
4,4'-DDE	0.2	ug/L	<0.099	U	<0.100	U	<0.095	U	<0.100	U	<0.100	U	<0.100	U	<0.097	U	<0.096	U	<0.096	U	<0.100	U	<0.095	U	<0.096	U
4,4'-DDT	0.2	ug/L	<0.099	U	<0.100	U	<0.095	U	<0.100	U	<0.100	U	<0.100	U	<0.097	U	<0.096	U	<0.096	U	<0.100	U	<0.095	U	<0.096	U
Aldrin	-	ug/L	<0.050	U	<0.051	U	<0.048	U	<0.050	U	<0.050	U	<0.050	U	<0.049	U	<0.048	U	<0.048	U	<0.050	U	<0.048	U	<0.048	U
Dieldrin	0.004	ug/L	<0.099	U	<0.100	U	<0.095	U	<0.100	U	<0.100	U	<0.100	U	<0.097	U	<0.096	U	<0.096	U	<0.100	U	<0.095	U	<0.096	U
Alpha Endosulfan	-	ug/L	<0.050	U	<0.051	U	<0.048	U	<0.050	U	<0.100	U	<0.050	U	<0.049	U	<0.048	U	<0.048	U	<0.050	U	<0.048	U	<0.048	U
Beta Endosulfan	-	ug/L	<0.099	U	<0.100	U	<0.095	U	<0.100	U	<0.100	U	<0.100	U	<0.097	U	<0.096	U	<0.096	U	<0.100	U	<0.095	U	<0.096	U
Endosulfan Sulfate	-	ug/L	<0.099	U	<0.100	U	<0.095	U	<0.100	U	<0.050	U	<0.100	U	<0.097	L	<0.096	L	<0.096	U	<0.100	U	<0.095	U	<0.096	U
Endrin	-	ug/L	<0.099	U	<0.100	U	<0.095	U	<0.100	U	<0.100	U	<0.100	U	<0.097	U	<0.096	U	<0.096	U	<0.100	U	<0.095	U	<0.096	U
Endrin Aldehyde	5	ug/L	<0.099	U	<0.100	U	<0.095	U	<0.100	U	<0.100	U	<0.100	U	<0.097	U	<0.096	U	<0.096	U	<0.100	U	<0.095	U	<0.096	U
Endrin Ketone	5	ug/L	<0.099	U	<0.100	U	<0.095	U	<0.100	U	<0.100	U	<0.100	U	<0.097	U	<0.096	U	<0.096	U	<0.100	U	<0.095	U	<0.096	U
Heptachlor	0.04	ug/L	<0.050	U	<0.051	U	<0.048	U	<0.050	U	<0.050	U	<0.050	U	<0.049	U	<0.048	U	<0.048	U	<0.050	U	<0.048	U	<0.048	U
Heptachlor Epoxide	0.03	ug/L	<0.050	U	<0.051	U	<0.048	U	<0.050	U	<0.100	U	<0.050	U	<0.049	U	<0.048	U	<0.048	U	<0.050	U	<0.048	U	<0.048	U
Methoxychlor	35	ug/L	<0.500	U	<0.51	U	<1.10	U	<0.500	U	<0.500	U	<0.050	U	<0.490	U	<0.480	U	<0.480	U	<0.500	U	<0.048	U	<0.048	U
Toxaphene	0.06	ug/L	<0.990	U	<1.00	U	<1.10	U	<1.20	U	<1.20	U	<1.20	U	<1.20	U	<1.20	U	<1.20	U	<1.20	U	<1.1	U	<1.2	U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.01	ug/L	<0.050	U	<0.051	U	<0.048	U	<0.050	U	<0.050	U	<0.050	U	<0.049	U	<0.048	U	<0.048	U	<0.050	U	<0.048	U	<0.048	U
cis-Chlordane	-	ug/L	<0.050	U	<0.051	U	<0.048	U	<0.050	U	<0.050	U	<0.050	U	<0.049	U	<0.048	U	<0.048	U	<0.050	U	<0.048	U	<0.048	U
Beta Bhc (Beta Hexachlorocyclohexane)	0.04	ug/L	<0.050	U	<0.051	U	<0.048	U	<0.050	U	<0.050	U	<0.050	U	<0.049	U	<0.048	U	<0.048	U	<0.050	U	<0.048	U	<0.048	U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	ug/L	<0.050	U	<0.051	U	<0.048	U	<0.050	U	<0.050	U	<0.050	U	<0.049	U	<0.048	U	<0.048	U	<0.050	U	<0.048	U	<0.048	U
Gamma Bhc (Lindane)	0.05	ug/L	<0.050	U	<0.051	U	<0.048	U	<0.050	U	<0.050	U	<0.050	U	<0.049	U	<0.048	U	<0.048	U	<0.050	U	<0.048	U	<0.048	U
Chlordane (Technical)	0.05	ug/L	<0.050	U	<0.051	U	<0.048	U	<0.050	U	<0.050	U	<0.050	U	<0.049	U	<0.048	U	<0.048	U	<0.050	U	<0.048	U	<0.048	U
trans-Chlordane	-	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Herbicides (8321B)																										
Acetic acid, (2,4,5-trichlorophenoxy)-	35	ug/L	<2.9	U	<2.9	U	<2.9	U	<3.0	U	<2.9	U	<3.0	U	<2.9	U	<2.9	U	<3.0	U	<2.9	U	<2.9	U	<2.9	U
Silvex (2,4,5-TP)	0.26	ug/L	<2.9	U	<2.9	U	<2.9	U	<3.0	U	<2.9	U	<3.0	U	<2.9	U	<2.9	U	<3.4	U	<2.9	U	<2.9	U	<2.9	U
2,4-D (Dichlorophenoxyacetic Acid)	50	ug/L	<4.9	U	<4.9	U	<4.8	U	<5.0	U	<4.8	U	<3.0	U	<4.9	U	<4.9	U	<5.0	U	<4.8	U	<4.9	U	<4.9	U

Table 1A
2023 Groundwater Treatment System Monthly Data
Riverview Innovation Technology Campus - RITC
Tonawanda, New York

Analytes	Class GA Ambient Water Quality	Units	Influent-011223		Effluent-011223		Influent-02222023		Effluent-0222023		Influent-03092023		Effluent-03092023		Influent-04132023		Effluent-04132023		Influent-05042023		Effluent-05042023		Influent-06092023	Effluent-06092023
Sample Date			1/12/2023		1/12/2023		2/22/2023		2/22/2023		3/9/2023		3/9/2023		4/13/2023		4/13/2023		5/4/2023		5/4/2023		6/9/2023	6/9/2023
			January Monthly		January Monthly		February Monthly		February Monthly		March Monthly		March Monthly		April Monthly		April Monthly		May Monthly		May Monthly		June Monthly	June Monthly
PFAS (EPA 1633)																								
Perfluorobutanesulfonic acid (PFBS)	100	ng/L	3.90		3.49		12.1	F	4.75	F	6.84	F	5.89	F	11.9		6	F	35.8	F	38.5	F	NS	NS
Perfluorohexanesulfonic acid (PFHxS)	100	ng/L	<1.79	U	<1.78	U	1.48		<1.64	U	<0.364	U	<0.367	U	6.72		1.54		4.04		5.11		NS	NS
Perfluoroheptanesulfonic acid (PFHpS)	100	ng/L	<1.79	U	<1.78	U	<1.48	U	<1.64	U	<0.410	U	<0.413	U	<0.407	U	<0.415	U	<0.397	U	<0.425	U	NS	NS
Perfluorooctanesulfonic acid (PFOS)	10	ng/L	2.47		<1.78	U	2.74		1.23	JF	2.43		1.68		2.49		<0.700	U	3.23		<0.716	U	NS	NS
Perfluorodecanesulfonic acid (PFDS)	100	ng/L	<1.79	U	<1.78	U	<1.48	U	<1.64	U	<0.349	U	<0.352	U	<0.347	U	<0.354	U	<0.338	U	<0.362	U	NS	NS
Perfluorobutanoic Acid (PFBA)	100	ng/L	20.90		20.20		22.20		17.90		14.7		12.5		11.5		11.1		13.8		11.4		NS	NS
Perfluoropentanoic Acid (PFPeA)	100	ng/L	16.30		15.8		23.60		14.00	F	14.1	F	10.8	F	13.4		9.53		12		6.84		NS	NS
Perfluorohexanoic acid (PFHxA)	100	ng/L	10.70		9.71		16.00		9.26		9.49		7.65		12.1		7.15		9.33		7.39		NS	NS
Perfluoroheptanoic acid (PFHpA)	100	ng/L	3.10		2.81		2.97		1.72		2.35		1.91		3.77		2.15		1.98		1.89		NS	NS
Perfluorooctanoic acid (PFOA)	10	ng/L	10.90		10.70		9.86		5.9		10.5		8.03		11.5		8.46		7.05		6.61		NS	NS
Perfluorononanoic acid (PFNA)	100	ng/L	0.854	JF	0.556	JF	1.04	J	<1.64	U	0.835	J	0.765	JF	0.754	J	<0.484	U	1.03	J	<0.496	U	NS	NS
Perfluorodecanoic acid (PFDA)	100	ng/L	0.366	JF	<1.78	U	<1.48	U	<1.64	U	<0.615	U	<0.620	U	<0.611	U	<0.623	U	<0.595	U	<0.637	U	NS	NS
Perfluoroundecanoic Acid (PFUnA)	100	ng/L	<1.79	U	<1.78	U	<1.48	U	<1.64	U	<0.661	U	<0.666	U	<0.656	U	<0.669	U	<0.639	U	<0.684	U	NS	NS
Perfluorododecanoic acid (PFDoA)	100	ng/L	<1.79	U	<1.78	U	<1.48	U	<1.64	U	<0.699	U	<0.704	U	<0.694	U	<0.707	U	<0.676	U	<0.724	U	NS	NS
Perfluorotridecanoic Acid (PFTriA/PFTrDA)	100	ng/L	<1.79	U	<1.78	U	<1.48	U	<1.64	U	<0.570	U	<0.574	U	<0.566	U	<0.577	U	<0.551	U	<0.590	U	NS	NS
Perfluorotetradecanoic acid (PFTeDA)	100	ng/L	<1.79	U	<1.78	U	<1.48	U	<1.64	U	<0.402	U	<0.406	U	<0.400	U	<0.407	U	<0.389	U	<0.417	U	NS	NS
Perfluorooctane Sulfonamide (PFOSA)	100	ng/L	<1.79	U	<1.78	U	<1.48	U	<1.64	U	<0.410	U	<0.413	U	<0.407	U	<0.415	U	<0.397	U	<0.425	U	NS	NS
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	100	ng/L	<1.79	U	<1.78	U	0.89	J	<1.64	U	<0.828	U	<0.834	U	0.981	J	<0.838	U	<0.801	U	<0.857	U	NS	NS
N-ethyl perfluorooctanesulfonamidoacetic acid	100	ng/L	<1.79	U	<1.78	U	<1.48	U	<1.64	U	<0.820	U	<0.826	U	<0.815	U	<0.830	U	<0.793	U	<0.849	U	NS	NS
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	100	ng/L	2.79		<1.78	U	2.6	J	<6.56	U	<2.05	U	<2.06	U	5.21	J	<2.08	U	<1.98	U	<2.12	U	NS	NS
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	100	ng/L	<1.79	U	<1.78	U	<5.93	U	<6.56	U	<2.36	U	<2.38	U	<2.35	U	<0.239	U	<2.28	U	<2.45	U	NS	NS
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	100	ng/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
11-Chloroeicisafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	100	ng/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	100	ng/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	100	ng/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSA)	100	ng/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	100	ng/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	100	ng/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	100	ng/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	100	ng/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	100	ng/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	100	ng/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	100	ng/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	100	ng/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
Suspended Solids (SM2450 D)																								
Solids, Suspended	-	mg/L	25.50		1.70		17.00		22.0		16		19.7		44.5		2		39		<1.0	U	13.5	3.3
Ammonia (E350.1)																								
Nitrogen, Ammonia (As N)	2	mg/L	9.10		15.80		9.90		8.40		3.2		5.9		5.9		5.9		10.2		6.5		8.1	8.1
pH (SM 4500 H+)																								
pH	-	S.U	7.25		7.45		7.18		7.19		7.12		7.05		7.36		7.46		7.58		7.72		7.35	7.27

Table 1A
2023 Groundwater Treatment System Monthly Data
Riverview Innovation Technology Campus - RITC
Tonawanda, New York

Analytes	Class GA Ambient Water Quality	Units	Influent-07062023		Effluent-07062023		Influent-08152023		Effluent-08152023		Influent-09122023		Effluent-09122023		Influent-10122023		Effluent-10122023		Influent-1114023		Effluent-11142023		Influent-12052023		Effluent-12052023	
	Sample Date		7/6/2023		7/6/2023		8/15/2023		8/15/2023		9/12/2023		9/12/2023		10/12/2023		10/12/2023		11/14/2023		11/14/2023		12/5/2023		12/5/2023	
			July Monthly		July Monthly		August Monthly		August Monthly		September		September		October Monthly		October Monthly		November Monthly		November Monthly		December Monthly		December Monthly	
TCL VOCs (SW8260)																										
1,1,1-Trichloroethane (TCA)	5	ug/l	<2.00	U	<2.00	U	<2.8	U	<0.70	U	<0.70	U	<0.70	U	<10.0	U	<2.0	U	<2.0	U	<2.0	U	<2.00	U	<2.00	U
1,1,2,2-Tetrachloroethane	5	ug/l	<2.00	U	<2.00	U	<0.67	U	<0.17	U	<0.17	U	<0.17	U	<10.0	U	<2.0	U	<2.0	U	<2.0	U	<2.00	U	<2.00	U
1,1,2-Trichloroethane	1	ug/l	<2.00	U	<2.00	U	<2.0	U	<0.50	U	<0.50	U	<0.50	U	<10.0	U	<2.0	U	<2.0	U	<2.0	U	<2.00	U	<2.00	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5	ug/l	<2.00	U	<2.00	U	<2.8	U	<0.70	U	<0.70	U	<0.70	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,1-Dichloroethane	5	ug/l	<2.00	U	<2.00	U	<2.8	U	<0.70	U	<0.70	U	<0.70	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,1-Dichloroethene	5	ug/l	<2.00	U	<2.00	U	<0.68	U	<0.17	U	<0.17	U	<0.17	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,2,3-Trichlorobenzene	5	ug/l	<5.00	U	<5.00	U	<2.8	U	<0.70	U	<0.70	U	<0.70	U	<25.0	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U
1,2,4-Trichlorobenzene	5	ug/l	<5.00	U	<5.00	U	<2.8	U	<0.70	U	<0.70	U	<0.70	U	<25.0	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U
1,2-Dibromo-3-Chloropropane	0.04	ug/l	<10.0	U	<10.0	U	<2.8	U	<0.70	U	<0.70	U	<0.70	U	<50.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	ug/l	<2.00	U	<2.00	U	<2.6	U	<0.65	U	<0.65	U	<0.65	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,2-Dichlorobenzene	3	ug/l	<2.00	U	<2.00	U	<2.8	U	<0.70	U	<0.70	U	<0.70	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,2-Dichloroethane	0.6	ug/l	<2.00	U	<2.00	U	<0.53	U	<0.13	U	<0.13	U	<0.13	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,2-Dichloropropane	1	ug/l	<2.00	U	<2.00	U	<0.55	U	<0.14	U	<0.14	U	<0.14	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,3-Dichlorobenzene	3	ug/l	<2.00	U	<2.00	U	<2.8	U	<0.70	U	<0.70	U	<0.70	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,3,5-Trimethylbenzene	5	ug/l	NS		NS		4.4	J	<0.70	U	1.2	J	NS		NS		NS		NS		NS		NS		NS	
1,2,4-Trimethylbenzene	5	ug/l	NS		NS		7.3	J	<0.70	U	0.77	J	NS		NS		NS		NS		NS		NS		NS	
1,4-Dichlorobenzene	3	ug/l	<2.00	U	<2.00	U	<2.8	U	<0.70	U	<0.70	U	<0.70	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,4-Dioxane (P-Dioxane)	-	ug/l	<10.0	U	<10.0	U	<240	U	<61	U	<61	U	<61	U	<50.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U
Methyl Ethyl Ketone (2-Butanone)	50	ug/l	<10.0	U	<10.0	U	<7.8	U	<1.9	U	<1.9	U	4.9	J	<50.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U
2-Hexanone	50	ug/l	<5.00	U	<5.00	U	<4.0	U	<1.0	U	<1.0	U	<1.0	U	<25.0	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	-	ug/l	<5.00	U	<5.00	U	<4.0	U	<1.0	U	<1.0	U	<1.0	U	<25.0	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U
Acetone	50	ug/l	44.2		33.1		14	J	140		<1.5	U	8.5		161		23.8		<10.0	U	<10.0	U	<10.0	U	<10.0	U
Benzene	1	ug/l	23.3		<1.00	U	190		<0.16	U	63		5.0		<10.0	U	<1.00	U	<1.00	U	<1.00	U	46.0		<1.00	U
Bromochloromethane	5	ug/l	<5.00	U	<5.00	U	<2.8	U	<0.70	U	<0.70	U	<0.70	U	<10.0	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U
Bromodichloromethane	50	ug/l	<2.00	U	<2.00	U	<0.77	U	<0.19	U	3.7		<0.19	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Bromoform	50	ug/l	<5.00	U	<5.00	U	<2.6	U	<0.65	U	<0.65	U	<0.65	U	<25.0	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U
Bromomethane	5	ug/l	<2.00	U	<2.00	U	<2.8	U	<0.70	U	<0.70	U	<0.70	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Carbon Disulfide	-	ug/l	<2.00	U	<2.00	U	<4.0	U	<1.0	U	<1.0	U	30		<10.0	U	4.88		<2.00	U	<2.00	U	<2.00	U	<2.00	U
Carbon Tetrachloride	5	ug/l	<2.00	U	<2.00	U	<0.54	U	<0.13	U	<0.13	U	<0.13	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Chlorobenzene	5	ug/l	<2.00	U	<2.00	U	<2.8	U	<0.70	U	<0.70	U	<0.70	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Chloroethane	5	ug/l	<2.00	U	<2.00	U	<2.8	U	<0.70	U	<0.70	U	<0.70	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Chloroform	7	ug/l	<2.00	U	<2.00	U	<2.8	U	<0.70	U	6.6		<0.70	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Chloromethane	5	ug/l	<2.00	U	<2.00	U	<2.8	U	<0.70	U	<0.70	U	<0.70	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Cyclohexane	-	ug/l	<10.0	U	<10.0	U	<1.1	U	<0.27	U	<0.27	U	<0.27	U	<50.0	U	<10.00	U	<10.00	U	<10.00	U	<10.0	U	<10.0	U
Dibromochloromethane	50	ug/l	<2.00	U	<2.00	U	<0.60	U	<0.15	U	1.8		<0.15	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Dichlorodifluoromethane	5	ug/l	<2.00	U	<2.00	U	<4.0	U	<1.0	U	<1.0	U	<1.0	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Methylene Chloride	5	ug/l	<5.00	U	<5.00	U	<2.8	U	<0.70	U	<0.70	U	<0.70	U	<25.0	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U
Naphthalene	10	ug/l	NS		NS		370		<0.70	U	12		7.6		NS		NS		NS		NS		NS		NS	
Ethylbenzene	5	ug/l	<2.00	U	<2.00	U	3.9	J	<0.70	U	0.84	J	<0.70	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	13.9		<2.00	U
Isopropylbenzene (Cumene)	5	ug/l	<2.00	U	<2.00	U	<2.8	U	<0.70	U	<0.70	U	<0.70	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Methyl Acetate	-	ug/l	<2.00	U	<2.00	U	<0.94	U	<0.23	U	<0.23	U	<0.23	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Tert-Butyl Methyl Ether	-	ug/l	<2.00	U	<2.00	U	<2.8	U	<0.70	U	<0.70	U	<0.70	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Methylcyclohexane	-	ug/l	<2.00	U	<2.00	U	<1.6	U	<0.40	U	<0.40	U	<0.40	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Styrene	5	ug/l	<5.00	U	<5.00	U	5	J	<0.70	U	<0.70	U	<0.70	U	<25.0	U	<5.00	U	<5.01	U	<5.01	U	<5.00	U	<5.00	U
Tetrachloroethylene (PCE)	5	ug/l	<2.00	U	<2.00	U	1.1	J	<0.18	U	<0.18	U	<0.18	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Toluene	5	ug/l	<2.00	U	<2.00	U	91		<0.70	U	4.5		2.2	J	<10.0	U	<2.00	U	<2.00	U	<2.00	U	10.0		<2.00	U
Trichloroethylene (TCE)	5	ug/l	<2.00	U	<2.00	U	<0.70	U	<0.18	U	<0.18	U	<0.18	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Trichlorofluoromethane	5	ug/l	<2.00	U	<2.00	U	<2.8	U	<0.70	U	<0.70	U	<0.70	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Vinyl Chloride	2	ug/l	<2.00	U	<2.00	U	<0.28	U	<0.07	U	<0.07	U	<0.07	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Cis-1,2-Dichloroethylene	5	ug/l	<2.00	U	<2.00	U	<2.8	U	<0.70	U	<0.70	U	<0.70	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Cis-1,3-Dichloropropene	0.4	ug/l	<2.00	U	<2.00	U	<0.58	U	<0.14	U	<0.14	U	<0.14	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
m,p-Xylene	5	ug/l	<2.00	U	<2.00	U	57		<0.70	U	4.4		1.1	J	16.4	U	<2.00	U	6.21		<2.00	U	10.6		<2.00	U
O-Xylene (1,2-Dimethylbenzene)	5	ug/l	<2.00	U	<2.00	U	14		<0.70	U	1.3	J	<0.70	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	8.64		<2.00	U
Trans-1,2-Dichloroethene	5	ug/l	<2.00	U	<2.00	U	<2.8	U	<0.70	U	<0.70	U	<0.70	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Trans-1,3-Dichloropropene	0.4	ug/l	<2.00	U	<2.00	U	<0.66	U	<0.16	U	<0.16	U	<0.16	U	<10.0	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U

Table 1A
2023 Groundwater Treatment System Monthly Data
Riverview Innovation Technology Campus - RITC
Tonawanda, New York

Analytes	Class GA Ambient Water Quality	Units	Influent-07062023		Effluent-07062023		Influent-08152023		Effluent-08152023		Influent-09122023		Effluent-09122023		Influent-10122023		Effluent-10122023		Influent-1114023		Effluent-11142023		Influent-12052023		Effluent-12052023	
	Sample Date		7/6/2023		7/6/2023		8/15/2023		8/15/2023		9/12/2023		9/12/2023		10/12/2023		10/12/2023		11/14/2023		11/14/2023		12/5/2023		12/5/2023	
			July Monthly		July Monthly		August Monthly		August Monthly		September		September		October Monthly		October Monthly		November Monthly		November Monthly		December Monthly		December Monthly	
TCL SVOCs (SW8270)																										
1,1-Biphenyl	5	ug/L	<9.98	U	<10.1	U	<0.44	U	<0.46	U	NS		NS		<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
1,2,4,5-Tetrachlorobenzene	5	ug/L	<9.98	U	<10.1	U	<0.44	U	<0.44	U	<0.44	U	<0.44		<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
1,2,4-Trichlorobenzene	5	ug/L	<9.98	U	<10.1	U	<0.50	U	<0.50	U	NS		NS		<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
1,2-Dichlorobenzene	3	ug/L	<9.98	U	<10.1	U	<0.45	U	<0.45	U	NS		NS		<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
1,3-Dichlorobenzene	3	ug/L	<9.98	U	<10.1	U	<0.40	U	<0.40	U	NS		NS		<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
1,4-Dichlorobenzene	3	ug/L	<9.98	U	<10.1	U	<0.43	U	<0.43	U	NS		NS		<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
2,3,4,6-Tetrachlorophenol	-	ug/L	<9.98	U	<10.1		NS		NS		<0.84	U	<0.84	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
2,4,5-Trichlorophenol	-	ug/L	<9.98	U	<10.1	U	<0.77	U	<0.77	U	<0.77	U	<0.77	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
2,4,6-Trichlorophenol	-	ug/L	<20.0	U	<20.1	U	<0.61	U	<0.61	U	<0.61	U	<0.61	U	<20.0	U	<20.0	U	<40.0	U	<40.0	U	<20.0	U	<20.0	U
2,4-Dichlorophenol	5	ug/L	<9.98	U	<10.1	U	<0.41	U	<0.41	U	<0.41	U	<0.41	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
2,4-Dimethylphenol	50	ug/L	15.9		22.3		20		<1.8	U	<1.8	U	<1.8	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	11.6		<10.0	U
2,4-Dinitrophenol	10	ug/L	<20.0	U	<20.1	U	<6.6	U	<6.6	U	<6.6	U	<6.6	U	<20.0	U	<20.0	U	<40.0	U	<40.0	U	<20.0	U	<20.0	U
2,4-Dinitrotoluene	5	ug/L	<9.98	U	<10.1	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
2,6-Dinitrotoluene	5	ug/L	<9.98	U	<10.1	U	<0.93	U	<0.93	U	<0.93	U	<0.93	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
2-Chloronaphthalene	10	ug/L	<9.98	U	<10.1	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
2-Chlorophenol	-	ug/L	<9.98	U	<10.1	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
2-Methylnapthalene	-	ug/L	<9.98	U	<10.1	U	0.48		0.05	J	0.09	J	<0.351	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
2-Methylphenol (O-Cresol)	1	ug/L	106		105		<0.35	U	<0.35	U	<0.49	U	<0.49	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	14.3		<10.0	U
2-Nitroaniline	5	ug/L	<20.0	U	<20.1	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<20.0	U	<20.0	U	<40.0	U	<40.0	U	<20.0	U	<20.0	U
2-Nitrophenol	-	ug/L	<9.98	U	<10.1	U	<0.85	U	<0.85	U	<0.85	U	<0.85	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
3,3'-Dichlorobenzidine	5	ug/L	<9.98	U	<10.1	U	<1.6	U	<1.6	U	<1.6	U	<1.6	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Cresols, M & P (3&4-Methylphenol)	-	ug/L	111		123		<0.48	U	<0.48	U	<0.48	U	0.590	J	<10.0	U	<10.0	U	<20.0	U	<20.0	U	17.6		<10.0	U
3-Nitroaniline	5	ug/L	<20.0	U	<20.1	U	<0.81	U	<0.81	U	<0.81	U	<0.81	U	<20.0	U	<20.0	U	<40.0	U	<40.0	U	<20.0	U	<20.0	U
4,6-Dinitro-2-Methylphenol (4,6-Dinitro-o-cresol)	-	ug/L	<20.0	U	<20.1	U	<1.8	U	<1.8	U	<1.8	U	<1.8	U	<20.0	U	<20.0	U	<40.0	U	<40.0	U	<20.0	U	<20.0	U
4-Bromophenyl Phenyl Ether	-	ug/L	<9.98	U	<10.1	U	<0.38	U	<0.38	U	<0.38	U	<0.38	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
4-Chloro-3-Methylphenol (P-Chloro-m-cresols)	-	ug/L	<9.98	U	<10.1	U	<0.533	U	<0.533	U	<0.35	U	<0.35	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
4-Chloroaniline	5	ug/L	<9.98	U	<10.1	U	<1.1	U	<1.1	U	<1.1	U	<1.1	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
4-Chlorophenyl Phenyl Ether	-	ug/L	<9.98	U	<10.1	U	<0.49	U	<0.49	U	<0.49	U	<0.49	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
4-Nitroaniline	5	ug/L	<20.0	U	<20.1	U	<0.80	U	<0.80	U	<0.80	U	<0.80	U	<20.0	U	<20.0	U	<40.0	U	<40.0	U	<20.0	U	<20.0	U
4-Nitrophenol	-	ug/L	<20.0	U	<20.1	U	<6.6	U	<6.6	U	<0.67	U	<0.67	U	<20.0	U	<20.0	U	<40.0	U	<40.0	U	<20.0	U	<20.0	U
Acenaphthene	20	ug/L	<9.98	U	<10.1	U	3.1		0.02	J	0.50		<0.07	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Acenaphthylene	-	ug/L	<9.98	U	<10.1	U	10		0.08	J	0.71		0.26	J	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Acetophenone	-	ug/L	<9.98	U	<10.1	U	31		<0.53	U	<0.53	U	<0.53	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Anthracene	50	ug/L	<9.98	U	<10.1	U	<0.01	U	0.07	J	<0.01	U	<0.01	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Benzo(A)Anthracene	0.002	ug/L	<9.98	U	<10.1	U	11		0.16		0.51		0.23	J	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Benzo(A)Pyrene	-	ug/L	<9.98	U	<10.1	U	8		0.14		0.39		0.24	J	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Benzo(B)Fluoranthene	0.002	ug/L	<9.98	U	<10.1	U	13		0.2		0.57		0.32	J	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Benzo(G,H,I)Perylene	-	ug/L	<9.98	U	<10.1	U	4.6		0.09	J	0.29		0.25	J	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Benzo(K)Fluoranthene	0.002	ug/L	<9.98	U	<10.1	U	3.7		0.07	J	0.15		0.10	J	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Biphenyl (Diphenyl)	5	ug/L	<9.98	U	<10.1	U	2		<0.46	U	<0.46	U	<0.46	U	NS		NS		NS		NS		NS		NS	
Bis(2-Chloroisopropyl) Ether	5	ug/L	<9.98	U	<10.1	U	<0.50	U	<0.50	U	<0.53	U	<0.53	U	NS		NS		NS		NS		NS		NS	
Bis(2-Chloroethoxy) Methane	5	ug/L	<9.98	U	<10.1	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	ug/L	<9.98	U	<10.1	U	<0.53	U	<0.53	U	<0.50	U	<0.50	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Bis(2-Ethylhexyl) Phthalate	5	ug/L	<9.98	U	<10.1	U	<1.5	U	<1.5	U	<1.5	U	<1.5	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Benzyl Butyl Phthalate	50	ug/L	<9.98	U	<10.1	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Carbazole	-	ug/L	<9.98	U	<10.1	U	1.1	J	<0.49	U	0.50	J	<0.49	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Chrysene	0.002	ug/L	<9.98	U	<10.1	U	11		0.14		0.49		0.11	J	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Di-N-Butyl Phthalate	50	ug/L	<9.98	U	<10.1	U	1.5	J	<0.631	U	0.90	J	<0.39	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Di-N-Octylphthalate	50	ug/L	<9.98	U	<10.1	U	<1.3	U	<0.633	U	<1.3	U	<1.3	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Dibenz(A,H)Anthracene	-	ug/L	<9.98	U	<10.1	U	1.3		0.03	J	0.08	J	0.08	J	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Dibenzofuran	-	ug/L	<9.98	U	<10.1	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Diethyl Phthalate	50	ug/L	<9.98	U	<10.1	U	<1.8	U	<0.717	U	<0.38	U	<0.38	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Dimethyl Phthalate	50	ug/L	<20.0	U	<20.1	U	<1.8	U	<1.40	U	<1.8	U	<1.8	U	<20.0	U	<20.0	U	<40.0	U	<40.0	U	<20.0	U	<20.0	U
Fluoranthene	50	ug/L	<9.98	U	<10.1	U	30		0.32		1.7		<0.10	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Fluorene	50	ug/L	<9.98	U	<10.1	U	14		0.09	J	1.0		<0.07	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Hexachlorobenzene	0.04	ug/L	<9.98	U	<10.1	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Hexachlorobutadiene	0.5	ug/L	<9.98	U	<10.1	U	<0.05	U	<0.05	U	<0.05	U	<0.05	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Hexachlorocyclopentadiene	5	ug/L	<9.98	U	<10.1	U	<0.69	U	<0.69	U	<0.69	U	<0.69	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Hexachloroethane	5	ug/L	<9.98	U	<10.1	U	<0.06	U	<0.06	U	<0.06	U	<0.06	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Indeno(1,2,3-C,D)Pyrene	0.002	ug/L	<9.98	U	<10.1	U	5.3		0.09	J	0.31		0.24	J	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Isophorone	50	ug/L	<9.98	U	<10.1	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
NDPA/DPA	-	ug/L	NS		NS		<0.42	U	<0.42	U	<0.42	U	<0.42	U	NS		NS		NS		NS		NS		NS	
N-Nitrosodi-N-Propylamine	-	ug/L	<9.98	U	<10.1	U	<0.64	U	<0.64	U	<0.64	U	<0.64	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Naphthalene	10	ug/L	<9.98	U	<10.1	U	2.9		0.21		0.47		<0.24	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Nitrobenzene	0.4	ug/L	<9.98	U	<10.1	U	<0.77	U	<0.77	U	<0.77	U	<0.77	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Pentachlorophenol	1	ug/L	<20.0	U	<20.1	U	0.23	J	<0.01		<0.01	U	<0.01	U	39.1		<10.0	U	<20.0	U	<20.0	U	<10.0	U	<20.0	U
Phenanthrene	50	ug/L	<9.98	U	<10.1	U	2.7		0.14		0.28		<0.12	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Phenol	1	ug/L	173		153		3.9	J	<0.57	U	<0.57	U	<0.57	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	18.4		<10.0	U
Pyrene	50	ug/L	<9.98	U	<10.1	U	20		0.25		0.91		<0.10	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Pyridine	50	ug/L	<9.98	U	<10.1	U	-		-		<1.8	U	<1.8	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Atrazine	-	ug/L	<25.0	U	<25.0	U	NS		NS		<0.76	U	<0.76	U	<25.0	U	<25.0	U	<50.0	U	<50.0	U	<25.0	U	<25.0	U
Benzaldehyde	-	ug/L	<10.0	U	<10.0	U	NS		NS		<0.53	U	<0.53	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U
Caprolactam	-	ug/L	<10.0	U	<10.0	U	NS		NS		<3.3	U	<3.3	U	<10.0	U	<10.0	U	<20.0	U	<20.0	U	<10.0	U	<10.0	U

Table 1A
2023 Groundwater Treatment System Monthly Data
Riverview Innovation Technology Campus - RITC
Tonawanda, New York

Analytes	Class GA Ambient Water Quality	Units	Influent-07062023		Effluent-07062023		Influent-08152023		Effluent-08152023		Influent-09122023		Effluent-09122023		Influent-10122023		Effluent-10122023		Influent-1114023		Effluent-11142023		Influent-12052023		Effluent-12052023	
	Sample Date		7/6/2023		7/6/2023		8/15/2023		8/15/2023		9/12/2023		9/12/2023		10/12/2023		10/12/2023		11/14/2023		11/14/2023		12/5/2023		12/5/2023	
			July Monthly		July Monthly		August Monthly		August Monthly		September		September		October Monthly		October Monthly		November Monthly		November Monthly		December Monthly		December Monthly	
TCL SVOCs (EPA 625.1)																										
1,2,4-Trichlorobenzene	-	ug/L	NS		NS		<1.49	U	<1.49	U	<1.49	U	<1.49	U	NS		NS		NS		NS		NS		NS	
1,2-Diphenylhydrazine (Azobenzene)	ND	ug/L	NS		NS		<0.889	U	<0.889	U	<0.889	U	<0.889	U	NS		NS		NS		NS		NS		NS	
2,4,5-Trichlorophenol	-	ug/L	NS		NS		<0.77	U	<0.637	U	<0.637	U	<0.637	U	NS		NS		NS		NS		NS		NS	
2,4,6-Trichlorophenol	-	ug/L	NS		NS		<0.607	U	<0.607	U	<0.607	U	<0.607	U	NS		NS		NS		NS		NS		NS	
2,4-Dichlorophenol	5	ug/L	NS		NS		<0.554	U	<0.554	U	<0.554	U	<0.554	U	NS		NS		NS		NS		NS		NS	
2,4-Dimethylphenol	50	ug/L	NS		NS		<0.851	U	<0.851	U	<0.851	U	<0.851	U	NS		NS		NS		NS		NS		NS	
2,4-Dinitrophenol	10	ug/L	NS		NS		<1.21	U	<1.21	U	<1.21	U	<1.21	U	NS		NS		NS		NS		NS		NS	
2,4-Dinitrotoluene	5	ug/L	NS		NS		<0.631	U	<0.631	U	<0.636	U	<0.636	U	NS		NS		NS		NS		NS		NS	
2,6-Dinitrotoluene	5	ug/L	NS		NS		<0.631	U	<0.631	U	<0.631	U	<0.631	U	NS		NS		NS		NS		NS		NS	
2-Chloronaphthalene	10	ug/L	NS		NS		<0.319	U	<0.319	U	<0.319	U	<0.319	U	NS		NS		NS		NS		NS		NS	
2-Chlorophenol	-	ug/L	NS		NS		<0.513	U	<0.513	U	<0.513	U	<0.513	U	NS		NS		NS		NS		NS		NS	
2-Methylnapthalene	-	ug/L	NS		NS		6.91		<0.351	U	<0.351	U	<0.351	U	NS		NS		NS		NS		NS		NS	
2-Methylphenol (O-Cresol)	-	ug/L	NS		NS		9		<0.773	U	<0.773	U	<0.773	U	NS		NS		NS		NS		NS		NS	
2-Nitrophenol	-	ug/L	NS		NS		<0.604	U	<0.604	U	<0.604	U	<0.604	U	NS		NS		NS		NS		NS		NS	
3,3'-Dichlorobenzidine	5	ug/L	NS		NS		<0.457	U	<0.457	U	<0.457	U	<0.457	U	NS		NS		NS		NS		NS		NS	
Cresols, M & P (3&4-Methylphenol)	-	ug/L	NS		NS		<0.533	U	<0.533	U	<0.511	U	0.590	J	NS		NS		NS		NS		NS		NS	
4,6-Dinitro-2-Methylphenol (4,6-Dinitro-o-cresol)	-	ug/L	NS		NS		<1.20	U	<1.20	U	<1.20	U	<1.20	U	NS		NS		NS		NS		NS		NS	
4-Bromophenyl Phenyl Ether	-	ug/L	NS		NS		<0.447	U	<0.447	U	<0.447	U	<0.447	U	NS		NS		NS		NS		NS		NS	
4-Chloro-3-Methylphenol (p-Chloro-m-cresol)	-	ug/L	NS		NS		1.81	J	<0.511	U	<0.533	U	<0.533	U	NS		NS		NS		NS		NS		NS	
4-Chloroaniline	5	ug/L	NS		NS		<0.79	U	<1.1	U	<0.790	U	<0.790	U	NS		NS		NS		NS		NS		NS	
4-Chlorophenyl Phenyl Ether	-	ug/L	NS		NS		<0.371	U	<0.371	U	<0.371	U	<0.371	U	NS		NS		NS		NS		NS		NS	
4-Nitrophenol	-	ug/L	NS		NS		<0.834	U	<0.834	U	<0.834	U	<0.834	U	NS		NS		NS		NS		NS		NS	
Acenaphthene	20	ug/L	<20.0	U	<10.0	U	4.35		<0.407	U	0.759	J	<0.407	U	<5.0	U	<5.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U
Acenaphthylene	-	ug/L	<20.0	U	<10.0	U	21.9		<0.930	U	1.80	J	<0.930	U	<5.0	U	<5.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U
Acetone	50	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Anthracene	50	ug/L	<20.0	U	<10.0	U	9.94		<0.791	U	<0.791	U	<0.791	U	<5.0	U	<5.0	U	<10.0		<10.0	U	<10.0	U	<10.0	U
Azobenzene	5	ug/L	NS		NS		<0.889	U	<0.889	U	<0.889	U	<0.889	U	NS		NS		NS		NS		NS		NS	
Benzidine	5	ug/L	NS		NS		<12.1	U	<12.1	U	<12.1	U	<12.1	U	NS		NS		NS		NS		NS		NS	
Benzo(A)Anthracene	0.002	ug/L	<20.0	U	<10.0	U	15.7		<0.665	U	0.748	J	<0.665	U	<5.0	U	<5.0	U	<10.0		<10.0	U	<10.0	U	<10.0	U
Benzo(A)Pyrene	-	ug/L	<20.0	U	<10.0	U	11.6		<0.610	U	<0.610	U	<0.610	U	<5.0	U	<5.0	U	<10.0		<10.0	U	<10.0	U	<10.0	U
Benzo(B)Fluoranthene	0.002	ug/L	<20.0	U	<10.0	U	19.1		<0.741	U	<0.741	U	<0.741	U	<5.0	U	<5.0	U	<10.0		<10.0	U	<10.0	U	<10.0	U
Benzo(G,H,I)Perylene	-	ug/L	<20.0	U	<10.0	U	7.3		<0.672	U	<0.672	U	<0.672	U	<5.0	U	<5.0	U	<10.0		<10.0	U	<10.0	U	<10.0	U
Benzo(K)Fluoranthene	0.002	ug/L	<20.0	U	<10.0	U	6.08		<0.739	U	<0.739	U	<0.739	U	<5.0	U	<5.0	U	<10.0		<10.0	U	<10.0	U	<10.0	U
Benzyl Alcohol	-	ug/L	NS		NS		<0.490	U	<0.490	U	0.734	J	<0.490	U	NS		NS		NS		NS		NS		NS	
Benzoic Acid	-	ug/L	NS		NS		<1.17	U	<1.17	U	<1.17	U	<1.17	U	NS		NS		NS		NS		NS		NS	
Bis(2-Chloroethoxy) Methane	5	ug/L	NS		NS		<0.585	U	<0.585	U	<0.585	U	<0.585	U	NS		NS		NS		NS		NS		NS	
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	ug/L	NS		NS		<0.600	U	<0.600	U	<0.600	U	<0.600	U	NS		NS		NS		NS		NS		NS	
Bis(2-Chloroisopropyl)ether	-	ug/L	NS		NS		<0.822	U	<0.822	U	<0.822	U	<0.822	U	NS		NS		NS		NS		NS		NS	
Bis(2-Ethylhexyl) Phthalate	5	ug/L	NS		NS		<1.70	U	<1.70	U	<1.70	U	<1.70	U	NS		NS		NS		NS		NS		NS	
Benzyl Butyl Phthalate	50	ug/L	NS		NS		<0.670	U	<0.670	U	<0.670	U	<0.670	U	NS		NS		NS		NS		NS		NS	
Chrysene	0.002	ug/L	<20.0	U	<10.0	U	16.4		<0.668	U	<0.668	U	<0.668	U	<5.0	U	<5.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U
Di-N-Butyl Phthalate	50	ug/L	NS		NS		<0.631	U	<0.631	U	1.32	J	<0.631	U	NS		NS		NS		NS		NS		NS	
Di-N-Octylphthalate	50	ug/L	NS		NS		<0.633	U	<0.633	U	<0.633	U	<0.633	U	NS		NS		NS		NS		NS		NS	
Dibenz(A,H)Anthracene	-	ug/L	<20.0	U	<10.0	U	2.15		<0.687	U	<0.687	U	<0.687	U	<5.0	U	<5.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U
Dibenzofuran	-	ug/L	NS		NS		16.5		<0.373	U	1.02	J	<0.373	U	NS		NS		NS		NS		NS		NS	
Diethyl Phthalate	50	ug/L	NS		NS		<0.717	U	<0.717	U	<0.717	U	<0.717	U	NS		NS		NS		NS		NS		NS	
Dimethyl Phthalate	50	ug/L	NS		NS		<1.40	U	<1.40	U	<1.40	U	<1.40	U	NS		NS		NS		NS		NS		NS	
Fluoranthene	50	ug/L	<20.0	U	<10.0	U	52.1		<0.736	U	2.78		<0.736	U	<5.0	U	<5.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U
Fluorene	50	ug/L	<20.0	U	<10.0	U	22.7		<0.927	U	1.90	J	<0.927	U	11		<5.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U
Hexachlorobenzene	0.04	ug/L	NS		NS		<0.952	U	<0.952	U	<0.952	U	<0.952	U	NS		NS		NS		NS		NS		NS	
Hexachlorobutadiene	0.5	ug/L	NS		NS		<0.921	U	<0.921	U	<0.921	U	<0.921	U	NS		NS		NS		NS		NS		NS	
Hexachlorocyclopentadiene	5	ug/L	NS		NS		<1.36	U	<1.36	U	<1.36	U	<1.36	U	NS		NS		NS		NS		NS		NS	
Hexachloroethane	5	ug/L	NS		NS		<0.973	U	<0.973	U	<0.973	U	<0.973	U	NS		NS		NS		NS		NS		NS	
Indeno(1,2,3-C,D)Pyrene	0.002	ug/L	<20.0	U	<10.0	U	8.72		<0.633	U	<0.633	U	<0.633	U	<5.0	U	<5.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U
Isophorone	50	ug/L	NS		NS		<0.546	U	<0.546	U	<0.546	U	<0.546	U	NS		NS		NS		NS		NS		NS	
N-Nitrosodimethylamine	-	ug/L	NS		NS		<0.407	U	<0.407	U	<0.407	U	<0.407	U	NS		NS		NS		NS		NS		NS	
N-Nitrosodi-N-Propylamine	-	ug/L	NS		NS		<0.630	U	<0.630	U	<0.630	U	<0.630	U	NS		NS		NS		NS		NS		NS	
N-Nitrosodiphenylamine (NDPA)	50	ug/L	NS		NS		<0.407	U	<0.407	U	<0.783	U	<0.783	U	NS		NS		NS		NS		NS		NS	
Naphthalene	10	ug/L	<20.0	U	<10.0	U	4.62		<0.896	U	<0.896	U	<0.896	U	<5.0	U	<5.0	U	<10.0	U	<10.0	U	22.3		<10.0	U
Nitrobenzene	0.4	ug/L	NS		NS		<0.788	U	<0.788	U	<0.788	U	<0.788	U	NS		NS		NS		NS		NS		NS	
Pentachlorophenol	1	ug/L	NS		NS		<0.622	U	<0.622	U	<0.622	U	<0.622	U	NS		NS		NS		NS		NS		NS	
Phenanthrene	50	ug/L	<20.0	U	<10.0	U	14		<0.818	U	<0.818	U	<0.818	U	16		<5.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U
Phenol	1	ug/L	288		174		1.96	J	<0.262	U	<0.262	U	<0.262	U	NS		NS		NS		NS		NS		NS	
Pyrene	50	ug/L	<20.0	U	<10.0	U	34.7		<0.728	U	1.42	J	<0.728	U	<5.0	U	<5.0	U	<10.0	U	<10.0	U	<10.0	U	<10.0	U
Pyridine	-	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	

Table 1A
2023 Groundwater Treatment System Monthly Data
Riverview Innovation Technology Campus - RITC
Tonawanda, New York

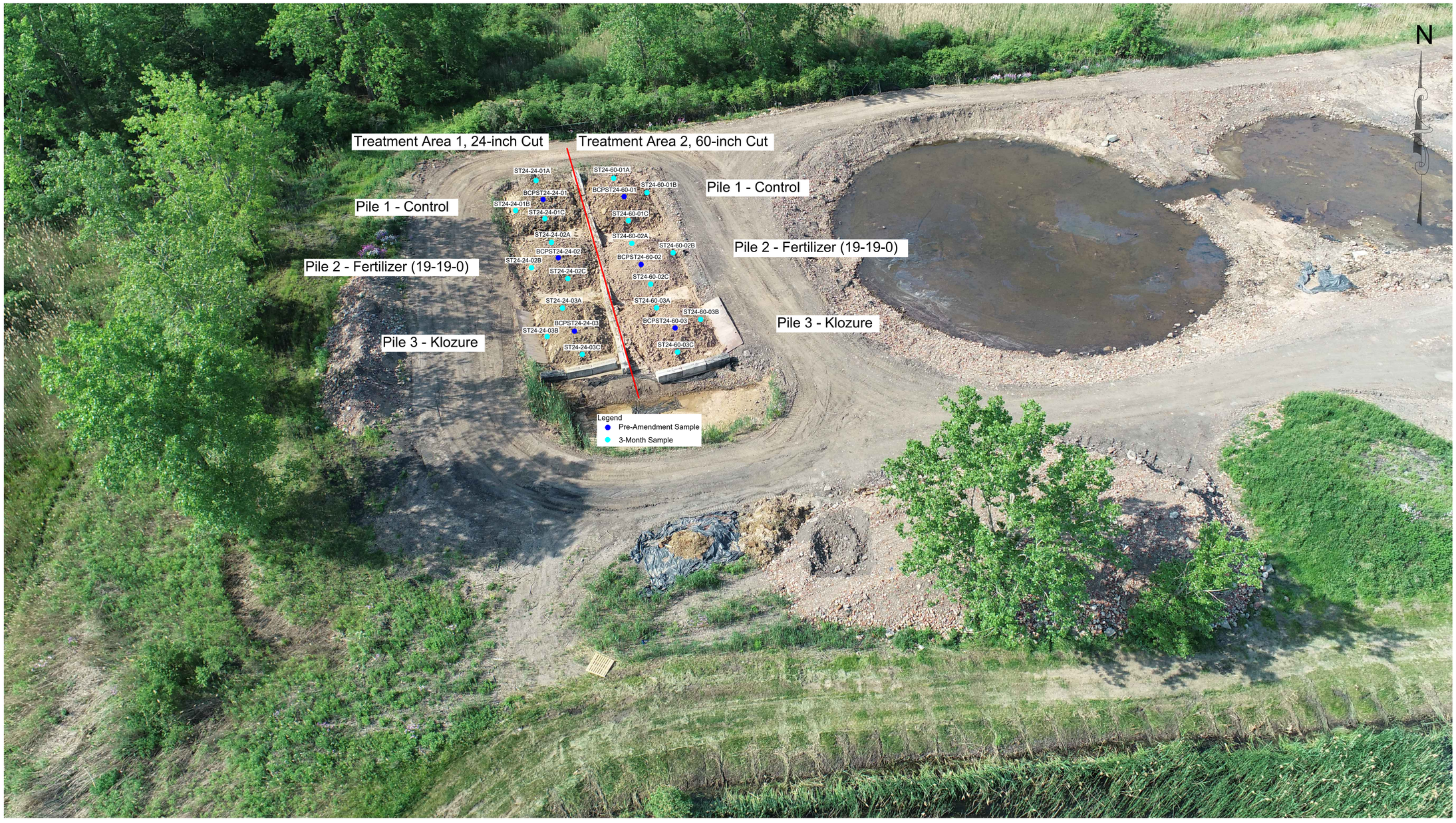
Analytes	Class GA Ambient Water Quality	Units	Influent-07062023		Effluent-07062023		Influent-08152023		Effluent-08152023		Influent-09122023		Effluent-09122023		Influent-10122023		Effluent-10122023		Influent-1114023		Effluent-11142023		Influent-12052023		Effluent-12052023	
	Sample Date		7/6/2023		7/6/2023		8/15/2023		8/15/2023		9/12/2023		9/12/2023		10/12/2023		10/12/2023		11/14/2023		11/14/2023		12/5/2023		12/5/2023	
			July Monthly		July Monthly		August Monthly		August Monthly		September		September		October Monthly		October Monthly		November Monthly		November Monthly		December Monthly		December Monthly	
TAL Metals (SW6010)																										
Aluminum	-	mg/L	0.481		0.142		4.64		0.209		0.305		0.179		0.155		<0.100		0.428		<0.100	U	2.4		<0.100	U
Antimony	0.003	mg/L	<0.0600	U	<0.0600	U	0.00259	J	0.00131	J	0.00098	J	0.00068	J	<0.0600	U	<0.0600	U	<0.0600	U	<0.0600	U	<0.0600	U	<0.0600	U
Arsenic	0.025	mg/L	<0.0100	U	<0.100	U	0.03252		0.00541		0.00226		0.01838		<0.0100	U	0.0105		<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U
Barium	1	mg/L	0.13		<0.100	U	0.08581		0.00586		0.03637		0.01908		<0.100	U	<0.100	U	<0.100	U	<0.100	U	<0.100	U	<0.100	U
Beryllium	0.003	mg/L	<0.00500	U	<0.00500	U	0.00029	J	<0.00010	U	<0.00010	U	<0.00010	U	<0.00500	U	<0.00500	U	<0.00500	U	<0.00500	U	<0.00500	U	<0.00500	U
Cadmium	0.005	mg/L	<0.00500	U	<0.00500	U	0.00029		<0.00005	U	<0.00005	U	<0.00005	U	<0.00500	U	<0.00500	U	<0.00500	U	<0.00500	U	<0.00500	U	<0.00500	U
Calcium	-	mg/L	192		172		142		83.2		97.4		122		202		114		235		198		215		218	
Chromium, Total	0.05	mg/L	<0.0100	U	<0.0100	U	0.00881		0.00027	J	0.00059	J	0.00105		<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U
Cobalt	-	mg/L	<0.0500	U	<0.0500	U	0.00675		0.00018	J	0.00174		0.00643		<0.0500	U	<0.0500	U	<0.0500	U	<0.0500	U	<0.0500	U	<0.0500	U
Copper	0.2	mg/L	<0.0200	U	<0.0200	U	0.01597		0.01541		0.00237		0.00286		<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	0.023		<0.0200	U
Iron	0.3	mg/L	2.89		0.491		8.61		0.125		1.00		1.19		0.554		0.335		1.37		0.836		7.98		0.253	
Lead	0.025	mg/L	<0.0100	U	<0.0100	U	0.0861		0.00341		0.0041		0.00268		<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U
Magnesium	35	mg/L	21.5		19.3		17.6		22.6		14.2		13.4		30.8		13.6		31.4		29.4		29.6		29.9	
Manganese	0.3	mg/L	0.651		0.517		0.4748		0.00998		0.2126		0.04872		0.422		0.223		0.447		0.386		0.591		0.448	
Nickel	0.1	mg/L	<0.0400	U	<0.0400	U	0.02475		0.00218		0.00392		0.0039		<0.0400	U	<0.0400	U	<0.0400	U	<0.0400	U	<0.0400	U	<0.0400	U
Potassium	-	mg/L	17.9		22.4		16.2		9.84		5.99		29.1		17		19.3		14.3		17.2		13.7		12.1	
Selenium	0.01	mg/L	<0.0200	U	<0.0200	U	0.0139		<0.00173	U	0.00197	J	<0.00173	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U
Silver	0.05	mg/L	<0.0100	U	<0.0100	U	<0.0001	U	<0.00016	U	<0.00016	U	<0.00016	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U
Sodium	20	mg/L	75.8		79.4		269		138		81.9		349		145		222		238		246		243		193	
Thallium	0.0005	mg/L	<0.0250	U	<0.0250	U	0.00022	J	<0.0014		<0.00014	U	0.00016	J	<0.0250	U	<0.0250	U	<0.0250	U	<0.0250	U	<0.0250	U	<0.0250	U
Vanadium	-	mg/L	<0.0250	U	<0.0250	U	0.03366		0.00641		0.00162	J	0.00337	J	<0.0250	U	<0.0250	U	<0.0250	U	<0.0250	U	<0.0250	U	<0.0250	U
Zinc	2	mg/L	0.0672		<0.0600	U	0.03504		0.01729		0.04294		<0.00341	U	<0.0600	U	<0.0600	U	<0.0600	U	<0.0600	U	<0.0600	U	<0.0600	U
Mercury EPA 1631E																										
Low Level Mercury	700	ng/l	49		14		32.2		25.4		25.3		26.5		49.4		6.2		55.7		6		40.6		11.0	
Cyanide (SW9012B/ KELADA-01)																										
Cyanide	0.20	mg/L	0.18	L	0.047	L	1.27		0.003	J	0.634		1.06		0.4		<0.016	U	0.28	L	0.14	L	0.46		0.15	
PCBs (8082A)																										
PCB-1016 (Aroclor 1016)	0.09	ug/L	<1.00	U	<1.00	U	<0.061	U	<0.061	U	<0.061	U	<0.061	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U
PCB-1221 (Aroclor 1221)	0.09	ug/L	<1.00	U	<1.00	U	<0.061	U	<0.061	U	<0.061	U	<0.061	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U
PCB-1232 (Aroclor 1232)	0.09	ug/L	<1.00	U	<1.00	U	<0.061	U	<0.061	U	<0.061	U	<0.061	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U
PCB-1242 (Aroclor 1242)	0.09	ug/L	<1.00	U	<1.00	U	<0.061	U	<0.061	U	<0.061	U	<0.061	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U
PCB-1248 (Aroclor 1248)	0.09	ug/L	<1.00	U	<1.00	U	<0.061	U	<0.061	U	<0.061	U	<0.061	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U
PCB-1254 (Aroclor 1254)	0.09	ug/L	<1.00	U	<1.00	U	<0.061	U	<0.061	U	<0.061	U	<0.061	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U
PCB-1260 (Aroclor 1260)	0.09	ug/L	<1.00	U	<1.00	U	0.063	J	<0.061	U	<0.061	U	<0.061	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U
PCB-1260 (Aroclor 1262)	0.09	ug/L	<1.00	U	<1.00	U	<0.061	U	<0.061	U	<0.061	U	<0.061	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U
PCB-1260 (Aroclor 1268)	0.09	ug/L	<1.00	U	<1.00	U	<0.061	U	<0.061	U	<0.061	U	<0.061	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U	<1.00	U
Pesticides (8081B)																										
4,4'-DDD	0.3	ug/L	<0.100	U	<0.099	U	<0.008	U	<0.008	U	<0.008	U	<0.008	U	<0.098	U	<0.097	U	<0.100	U	<0.100	U	<0.098	U	<0.098	U
4,4'-DDE	0.2	ug/L	<0.100	U	<0.099	U	<0.003	U	<0.003	U	<0.003	U	<0.003	U	<0.098	U	<0.097	U	<0.100	U	<0.100	U	<0.098	U	<0.098	U
4,4'-DDT	0.2	ug/L	<0.100	U	<0.099	U	<0.008	U	<0.008	U	<0.008	U	<0.008	U	<0.098	U	<0.097	U	<0.100	U	<0.100	U	<0.098	U	<0.098	U
Aldrin	-	ug/L	<0.050	U	<0.050	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.049	U	<0.049	U	<0.500	U	<0.05	U	<0.049	U	<0.049	U
Dieldrin	0.004	ug/L	<0.100	U	<0.099	U	<0.003	U	<0.003	U	<0.003	U	<0.003	U	<0.098	U	<0.097	U	<0.100	U	<0.100	U	<0.098	L	<0.098	L
Alpha Endosulfan	-	ug/L	<0.050	U	<0.050	U	<0.008	U	<0.008	U	<0.008	U	<0.008	U	<0.049	U	<0.049	U	<0.050	U	<0.050	U	<0.049	L	<0.049	L
Beta Endosulfan	-	ug/L	<0.100	U	<0.099	U	<0.003	U	<0.003	U	<0.003	U	<0.003	U	<0.098	U	<0.097	U	<0.100	U	<0.100	U	<0.098	L	<0.098	L
Endosulfan Sulfate	-	ug/L	<0.100	U	<0.099	U	<0.017	U	<0.017	U	<0.017	U	<0.017	U	<0.098	U	<0.097	U	<0.100	U	<0.100	U	<0.098	L	<0.098	L
Endrin	-	ug/L	<0.100	U	<0.099	U	<0.004	U	<0.004	U	<0.004	U	<0.004	U	<0.098	U	<0.097	U	<0.100	U	<0.100	U	<0.098	U	<0.098	U
Endrin Aldehyde	5	ug/L	<0.100	U	<0.099	U	<0.017	U	<0.017	U	<0.017	U	<0.017	U	<0.098	U	<0.097	U	<0.100	U	<0.100	U	<0.098	L	<0.098	L
Endrin Ketone	5	ug/L	<0.100	U	<0.099	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.098	U	<0.097	U	<0.100	U	<0.100	U	<0.098	L	<0.098	L
Heptachlor	0.04	ug/L	<0.050	U	<0.050	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.049	U	<0.049	U	<0.050	U	<0.050	U	<0.049	U	<0.049	U
Heptachlor Epoxide	0.03	ug/L	<0.050	U	<0.050	U	<0.007	U	<0.007	U	<0.007	U	<0.007	U	<0.049	U	<0.049	U	<0.050	U	<0.050	U	<0.049	U	<0.049	U
Methoxychlor	35	ug/L	<0.500	U	<0.500	U	<0.008	U	<0.008	U	<0.008	U	<0.008	U	<0.049	U	<0.490	U	<0.500	U	<0.500	U	<0.049	U	<0.049	U
Toxaphene	0.06	ug/L	<1.20	U	<1.20	U	<0.126	U	<0.126	U	<0.126	U	<0.126	U	<1.20	U	<1.20	U	<1.20	U	<1.20	U	<1.20	U	<1.20	U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.01	ug/L	<0.050	U	<0.050	U	<0.004	U	<0.004	U	<0.004	U	<0.004	U	<0.049	U	<0.049	U	<0.050	U	<0.050	U	<0.049	U	<0.049	U
cis-Chlordane	-	ug/L	<0.050	U	<0.050	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.049	U	<0.049	U	<0.050	U	<0.050	U	<0.049	U	<0.049	U
Beta Bhc (Beta Hexachlorocyclohexane)	0.04	ug/L	<0.050	U	<0.050	U	<0.009	U	<0.009	U	<0.009	U	<0.009	U	<0.049	U	<0.049	U	<0.050	U	<0.050	U	<0.049	U	<0.049	U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	ug/L	<0.050	U	<0.050	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.049	U	<0.049	U	<0.050	U	<0.050	U	<0.049	L	<0.049	L
Gamma Bhc (Lindane)	0.05	ug/L	<0.050	U	<0.050	U	<0.003	U	<0.003	U	<0.003	U	<0.003	U	<0.049	U	<0.049	U	<0.050	U	<0.050	U	<0.049	U	<0.049	U
Chlordane (Technical)	0.05	ug/L	<0.050	U	<0.050	U	<0.042	U	<0.042	U	<0.042	U	<0.042	U	<0.049	U	<0.049	U	<0.050	U	<0.050	U	<0.049	U	<0.049	U
trans-Chlordane	-	ug/L	NS		NS		NS		NS		<0.008	U	<0.008	U	NS		NS		NS		NS		NS		NS	
Herbicides (8321B)																										
Acetic acid, (2,4,5-trichlorophenoxy)-	35	ug/L	<3.0	U	<2.9	U	<0.498	U	<0.498	U	<0.531	U	<0.531	U	<2.9	U	<2.9	U	<3.0	U	<3.0	U	<2.9	U	<3.0	U
Silvex (2,4,5-TP)	0.26	ug/L	<3.0	U	<2.9	U	<0.539	U	<0.539	U	<0.539	U	<0.539	U	<2.9	U	<2.9	U	<3.0	U	<3.0	U	<2.9	U	<3.0	U
2,4-D (Dichlorophenoxyacetic Acid)	50	ug/L	<5.0	U	<4.8	U	<0.540	U	<0.540	U	<0.498	U	<0.498	U	<4.8	U	<4.8	U	<5.0	U	<5.0	U	<4.9	U	<5.0	U

Table 1A
2023 Groundwater Treatment System Monthly Data
Riverview Innovation Technology Campus - RITC
Tonawanda, New York

Analytes	Class GA Ambient Water Quality	Units	Influent-07062023		Effluent-07062023		Influent-08152023		Effluent-08152023		Influent-09122023		Effluent-09122023		Influent-10122023		Effluent-10122023		Influent-1114023		Effluent-11142023		Influent-12052023		Effluent-12052023	
Sample Date			7/6/2023		7/6/2023		8/15/2023		8/15/2023		9/12/2023		9/12/2023		10/12/2023		10/12/2023		11/14/2023		11/14/2023		12/5/2023		12/5/2023	
			July Monthly		July Monthly		August Monthly		August Monthly		September		September		October Monthly		October Monthly		November Monthly		November Monthly		December Monthly		December Monthly	
PFAS (EPA 1633)																										
Perfluorobutanesulfonic acid (PFBS)	100	ng/L	NS		NS		11.6	F	<0.534	U	6.51	F	<0.516	U	40		<0.527		<1.07	U	<0.520	U	34.3	F	0.622	J
Perfluorohexanesulfonic acid (PFHxS)	100	ng/L	NS		NS		10.9		<0.382	U	4.44		<0.370	U	2.55		<0.378		1.95	J	<0.373	U	2.92	J	<0.368	U
Perfluoroheptanesulfonic acid (PFHpS)	100	ng/L	NS		NS		<2.16	U	<0.430	U	<0.406	U	<0.416	U	<0.437		<0.425		<0.864	U	<0.419	U	<2.16	U	<0.414	U
Perfluorooctanesulfonic acid (PFOS)	10	ng/L	NS		NS		8		<0.725	U	2.22		<0.701	U	4.65		<0.716		5.65		<0.706	U	6.04	J	<0.698	U
Perfluorodecanesulfonic acid (PFDS)	100	ng/L	NS		NS		<1.84	U	<0.366	U	<0.346	U	<0.354	U	<0.372		<0.362		<0.736	U	<0.357	U	<1.84	U	<0.353	U
Perfluorobutanoic Acid (PFBA)	100	ng/L	NS		NS		15	J	<1.02	U	5.50	J	20.2		18.3		9.73		4.74	J	22.4		18.6	J	16.3	U
Perfluoropentanoic Acid (PFPeA)	100	ng/L	NS		NS		12.5	J	<0.852	U	7.33		3.84		18.8		1.34	J	12.8		4.35		<4.28	U	10.5	
Perfluorohexanoic acid (PFHxA)	100	ng/L	NS		NS		6.72	J	<0.470	U	4.83		<0.455	U	9.64		<0.464		7.38		<0.458	U	6.96	J	2.77	
Perfluoroheptanoic acid (PFHpA)	100	ng/L	NS		NS		2.96	J	<0.318	U	0.797	J	<0.308	U	3.68		<0.315		3.66		<0.310	U	3.68	J	0.476	J
Perfluorooctanoic acid (PFOA)	10	ng/L	NS		NS		18.7		<0.693	U	6.53		<0.670	U	16.6		<0.685		13.7		<0.675	U	15.3		0.867	J
Perfluorononanoic acid (PFNA)	100	ng/L	NS		NS		<2.52	U	<0.502	U	0.850	J	<0.486	U	0.777	J	<0.496		1.18	J	<0.489	U	<2.52	U	<0.483	U
Perfluorodecanoic acid (PFDA)	100	ng/L	NS		NS		<3.24	U	<0.645	U	<0.609	U	<0.624	U	<0.656		<0.637		<1.30	U	<0.629	U	<3.24	U	<0.622	U
Perfluoroundecanoic Acid (PFUnA)	100	ng/L	NS		NS		<3.48	U	<0.693	U	<0.654	U	<0.670	U	<0.704		<0.685		<1.39	U	<0.675	U	<3.48	U	<0.668	U
Perfluorododecanoic acid (PFDoA)	100	ng/L	NS		NS		<3.68	U	<0.733	U	<0.692	U	<0.709	U	<0.745		<0.724		<1.47	U	<0.714	U	<3.68	U	<0.706	U
Perfluorotridecanoic Acid (PFTriA/PFTrDA)	100	ng/L	NS		NS		<3.0	U	<0.597	U	<0.564	U	<0.578	U	<0.607		<0.590		<1.20	U	<0.582	U	<3.00	U	<0.576	U
Perfluorotetradecanoic acid (PFTeDA)	100	ng/L	NS		NS		<2.12	U	<0.502	U	<0.398	U	<0.408	U	<0.429		<0.417		<0.848	U	<0.411	U	<2.12	U	<0.407	U
Perfluorooctane Sulfonamide (PFOSA)	100	ng/L	NS		NS		<2.16	U	<0.430	U	<0.406	U	<0.416	U	<0.437		<0.425		<0.864	U	<0.419	U	<2.16	U	<0.414	U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	100	ng/L	NS		NS		<4.36	U	<0.868	U	<0.820	U	<0.840	U	<0.882		<0.858		<1.74	U	<0.846	U	<4.36	U	<0.836	U
N-ethyl perfluorooctanesulfonamidoacetic acid	100	ng/L	NS		NS		<4.32	U	<0.860	U	<0.812	U	<0.832	U	<0.874		<0.850		<1.73	U	<0.838	U	<4.32	U	<0.829	U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	100	ng/L	NS		NS		<10.8	U	<2.15	U	<2.03	U	<2.08	U	<2.19		<0.716		<4.32	U	<2.10	U	<10.8	U	<2.07	U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	100	ng/L	NS		NS		<12.4	U	<2.48	U	<2.34	U	<2.40	U	<2.52		<2.45		<4.98	U	<2.41	U	<12.4	U	<2.39	U
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	100	ng/L	NS		NS		<6.60	U	<1.31	U	<1.24	U	<1.27	U	NS		NS		NS		NS		NS		NS	
11-Chloroeicisafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	100	ng/L	NS		NS		<6.60	U	<1.31	U	<1.24	U	<1.27	U	NS		NS		NS		NS		NS		NS	
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	100	ng/L	NS		NS		<3.48	U	<0.693	U	<0.654	U	<0.670	U	NS		NS		NS		NS		NS		NS	
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	100	ng/L	NS		NS		<3.68	U	<0.733	U	<0.692	U	<0.709	U	NS		NS		NS		NS		NS		NS	
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSA)	100	ng/L	NS		NS		<18.8	U	<3.74	U	<3.53	U	<3.62	U	NS		NS		NS		NS		NS		NS	
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	100	ng/L	NS		NS		<9.80	U	<1.95	U	<1.84	U	<1.89	U	NS		NS		NS		NS		NS		NS	
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	100	ng/L	NS		NS		<2.28	U	<0.454	U	<0.428	U	<0.439	U	NS		NS		NS		NS		NS		NS	
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	100	ng/L	NS		NS		<2.12	U	<0.422	U	<0.398	U	<0.408	U	NS		NS		NS		NS		NS		NS	
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	100	ng/L	NS		NS		<1.76	U	<0.350	U	<0.331	U	<0.339	U	NS		NS		NS		NS		NS		NS	
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	100	ng/L	NS		NS		<9.44	U	<1.88	U	<1.77	U	<1.82	U	NS		NS		NS		NS		NS		NS	
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	100	ng/L	NS		NS		<13.2	U	<2.63	U	<2.48	U	<2.54	U	NS		NS		NS		NS		NS		NS	
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	100	ng/L	NS		NS		<46.8	U	<9.32	U	<8.80	U	<9.02	U	NS		NS		NS		NS		NS		NS	
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	100	ng/L	NS		NS		<31.6	U	<6.28	U	<5.93	U	<6.08	U	NS		NS		NS		NS		NS		NS	
Suspended Solids (SM2450 D)																										
Solids, Suspended	-	mg/L	20		1.3		61		3.8		24		5.5		9.2		1.7		13.5		3.3		61		<1.0	U
Ammonia (E350.1)																										
Nitrogen, Ammonia (As N)	2	mg/L	33.5		27.5		28.6		0.21		6.61		34.7		21.9		<0.1	U	16.2		26		24.6		18.0	
pH (SM 4500 H+)																										
pH	-	S.U	7.16		7.53		6.77		7.81		7.2		7.36		7.62		7.41		7.28		7.4		7.03		7.84	

Table 2A
Groundwater Treatment System
Between Carbon
Riverview Innovation Technology Campus
Tonawanda, New York

Analytes	Class GA Ambient Water Quality Standards and Guidance Values	Units	BetweenGAC-01312023		BetweenGAC-02222023		BetweenGAC-03092023		Between Carbon-04132023		Between Carbon-05042023		Between Carbon - 06092023		Between Carbon - 07062023		Between GAC - 08152023		Between GAC - 10122023		Between - 11142023		Between GAC - 12052023	
		Sample Date	1/31/2023		2/22/2023		3/9/2023		4/13/2023		5/4/2023		6/9/2023		7/6/2023		8/15/2023		10/12/2023		11/14/2023		12/5/2023	
			January		February		March		April		May		June		July		August		October		November		December	
TCL VOCs (624.1) Priority Pollutants																								
1,1,1-Trichloroethane (TCA)	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,1,2,2-Tetrachloroethane	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,1,2-Trichloroethane	1	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,1-Dichloroethane	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,1-Dichloroethene	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,2-Dichlorobenzene	3	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,2-Dichloroethane	0.6	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,2-Dichloropropane	1	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,3-Dichlorobenzene	3	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
1,4-Dichlorobenzene	3	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
2-Chloroethyl vinyl Ether		ug/l	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U
Benzene	1	ug/l	83.9		26.7		48.3		<1.00	U	5.74		<1.00	U	1.13		<1.00	U	5.97		5.58		<1.00	U
Bromodichloromethane	50	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Bromoform	50	ug/l	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U
Bromomethane	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Carbon Tetrachloride	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Chlorobenzene	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Chloroethane	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Chloroform	7	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Chloromethane	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Dibromochloromethane	50	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Methylene Chloride	5	ug/l	<5.00	U	<5.00	U	<5.00	U	<5.00	U	11.7		<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U	<5.00	U
Ethylbenzene	5	ug/l	4.12		3.65		6.86		<2.00	U	2.43		<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Tetrachloroethylene (PCE)	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Toluene	5	ug/l	18.1		6.27	U	12.9		<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	3.06		5.20		<2.00	U
Trichloroethylene (TCE)	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Trichlorofluoromethane	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Vinyl Chloride	2	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Cis-1,3-Dichloropropene	0.4	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Trans-1,2-Dichloroethene	5	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
Trans-1,3-Dichloropropene	0.4	ug/l	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U	<2.00	U
TCL SVOCs (EPA 625.1) PAHs																								
1,2,4-Trichlorobenzene	-	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<5.0	U	NS		NS		NS	
1,2-Diphenylhydrazine (Azobenzene)	ND	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<10.0	U	<5.0	U	NS		NS		NS	
1,3-Dichlorobenzene	-	ug/L	NS		NS		NS		NS		NS		NS		NS		<10	U	NS		NS		NS	
1,4-Dichlorobenzene	-	ug/L	NS		NS		NS		NS		NS		NS		NS		<10	U	NS		NS		NS	
1,2-Dichlorobenzene	-	ug/L	NS		NS		NS		NS		NS		NS		NS		<10	U	NS		NS		NS	
2,2-Oxybis (1-chloropropane)	-	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	L	<5.0	U	NS		NS		NS	
2,4,6-Trichlorophenol	-	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<5.0	U	NS		NS		NS	
2,4-Dichlorophenol	5	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<5.0	U	NS		NS		NS	
2,4-Dimethylphenol	50	ug/L	NS		NS		<20.0	U	NS		NS		<20.0	U	<40.0	U	<5.0	U	NS		NS		NS	
2,4-Dinitrophenol	10	ug/L	NS		NS		<20.0	U	NS		NS		<20.0	U	<40.0	U	<25	U	NS		NS		NS	
2,4-Dinitrotoluene	5	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<5.0	U	NS		NS		NS	
2,6-Dinitrotoluene	5	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<5.0	U	NS		NS		NS	
2-Chloronaphthalene	10	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<5.0	U	NS		NS		NS	
2-Chlorophenol	-	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<5.0	U	NS		NS		NS	
2-Methylnaphthalene	-	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
2-Methylphenol (O-Cresol)	-	ug/L	NS		NS		NS		NS		NS		NS		<20.0	U	NS		NS		NS		NS	
2-Nitrophenol	-	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<5.0	U	NS		NS		NS	
3,3'-Dichlorobenzidine	5	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<10	U	NS		NS		NS	
Cresols, M & P (3&4-Methylphenol)	-	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
4,6-Dinitro-2-Methylphenol	-	ug/L	NS		NS		<20.0	U	NS		NS		<20.0	U	<40.0	U	<25	U	NS		NS		NS	
4-Bromophenyl Phenyl Ether	-	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<5.0	U	NS		NS		NS	
4-Chloro-3-Methylphenol	-	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<5.0	U	NS		NS		NS	
4-Chlorophenyl Phenyl Ether	-	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<5.0	U	NS		NS		NS	
4-Nitrophenol	-	ug/L	NS		NS		<20.0	U	NS		NS		<20.0	U	<40.0	U	<25	U	NS		NS		NS	
Acenaphthene	20	ug/L	<9.94	U	<10.0	U	<10.0	U	<10.2	U	<10.0	U	<10.0	U	<20.0	U	<5.0	U	<5.0	U	<10.0	U	<10.0	U
Acenaphthylene	-	ug/L	<9.94	U	<10.0	U	<10.0	U	<10.2	U	<10.0	U	<10.0	U	<20.0	U	<5.0	U	<5.0	U	<10.0	U	<10.0	U
Anthracene	50	ug/L	<9.94	U	<10.0	U	<10.0	U	<10.2	U	<10.0	U	<10.0	U	<20.0	U	<5.0	U	<5.0	U	<10.0	U	<10.0	U
Benzidine		ug/L	NS		NS		<10.0	U	NS		NS		<20.0	U	<40.0	U	<25	U	NS		NS		NS	
Benzo(A)Anthracene	0.002	ug/L	<9.94	U	<10.0	U	<10.0	U	<10.2	U	<10.0	U	<10.0	U	<20.0	U	<5.0	U	<5.0	U	<10.0	U	<10.0	U
Benzo(A)Pyrene	-	ug/L	<9.94	U	<10.0	U	<10.0	U	<10.2	U	<10.0	U	<10.0	U	<20.0	U	<5.0	U	<5.0	U	<10.0	U	<10.0	U
Benzo(B)Fluoranthene	0.002	ug/L	<9.94	U	<10.0	U	<10.0	U	<10.2	U	<10.0	U	<10.0	U	<20.0	U	<5.0	U	<5.0	U	<10.0	U	<10.0	U
Benzo(G,H,I)Perylene	-	ug/L	<9.94	U	<10.0	U	<10.0	U	<10.2	U	<10.0	U	<10.0	U	<20.0	U	<5.0	U	<5.0	U	<10.0	U	<10.0	U
Benzo(K)Fluoranthene	0.002	ug/L	<9.94	U	<10.0	U	<10.0	U	<10.2	U	<10.0	U	<10.0	U	<20.0	U	<5.0	U	<5.0	U	<10.0	U	<10.0	U
Bis(2-Chloroethoxy) Methane	5	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<5.0	U	NS		NS		NS	
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<5.0	U	NS		NS		NS	
Bis(2-Ethylhexyl) Phthalate	5	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<5.0	U	NS		NS		NS	
Benzyl Butyl Phthalate	50	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<5.0	U	NS		NS		NS	
Chrysene	0.002	ug/L	<9.94	U	<10.0	U	<10.0	U	<10.2	U	<10.0	U	<10.0	U	<20.0	U	<5.0	U	<5.0	U	<10.0	U	<10.0	U
Di-N-Butyl Phthalate	50	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<5.0	U	NS		NS		NS	
Di-N-Octylphthalate	50	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<5.0	U	NS		NS		NS	
Dibenz(A,H)Anthracene	-	ug/L	<9.94	U	<10.0	U	<10.0	U	<10.2	U	<10.0	U	<10.0	U	<20.0	U	<5.0	U	<5.0	U	<10.0	U	<10.0	U
Dibenzofuran	-	ug/L	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Diethyl Phthalate	50	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<5.0	U	NS		NS		NS	
Dimethyl Phthalate	50	ug/L	NS		NS		<20.0	U	NS		NS		<20.0	U	<40.0	U	<5.0	U	NS		NS		NS	
Fluoranthene	50	ug/L	<9.94	U	<10.0	U	<10.0	U	<10.2	U	<10.0	U	<10.0	U	<20.0	U	<5.0	U	<5.0	U	<10.0	U	<10.0	U
Fluorene	50	ug/L	<9.94	U	<10.0	U	<10.0	U	<10.2	U	<10.0	U	<10.0	U	<20.0	U	<5.0	U	<5.0	U	<10.0	U	<10.0	U
Hexachlorobenzene	0.04	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<5.0	U	NS		NS		NS	
Hexachlorobutadiene	0.5	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<5.0	U	NS		NS		NS	
Hexachlorocyclopentadiene	5	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<10	U	NS		NS		NS	
Hexachloroethane	5	ug/L	NS		NS		<10.0	L	NS		NS		<10.0	U	<20.0	U	<10	U	NS		NS		NS	
Indeno(1,2,3-C,D)Pyrene	0.002	ug/L	<9.94	U	<10.0	U	<10.0	U	<10.2	U	<10.0	U	<10.0	U	<20.0	U	<5.0	U	<5.0	U	<10.0	U	<10.0	U
Isophorone	50	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<5.0	U	NS		NS		NS	
N-Nitrosodimethylamine	-	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	NS		NS		NS		NS	
N-Nitrosodi-N-Propylamine	-	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<5.0	U	NS		NS		NS	
N-Nitrosodiphenylamine	50	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<5.0	U	NS		NS		NS	
Naphthalene	10	ug/L	10.6		<10.0	U	69.8		<10.2	U	<10.0	U	<10.0	U	<20.0	U	<5.0	U	<5.0	U	<10.0	U	<10.0	U
Nitrobenzene	0.4	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	<20.0	U	<5.0	U	NS		NS		NS	
Pentachlorophenol	1	ug/L	NS		NS		<20.0	U	NS		NS		<20.0	U	<40.0	U	<25	U	NS		NS		NS	
Phenanthrene	50	ug/L	<9.94	U	<10.0	U	<10.0	U	<10.2	U	<10.0	U	<10.0	U	<20.0	U	<5.0	U	<5.0	U	<10.0	U	<10.0	U
Phenol	1	ug/L	NS		NS		15.4		NS		NS		<10.0	U	235		<5.0	U	NS		NS		NS	
Pyrene	50	ug/L	<9.94	U	<10.0	U	<10.0	U	<10.2	U	<10.0	U	<10.0	U	<20.0	U	<5.0	U	<5.0	U	<10.0	U	<10.0	U
Pyridine	-	ug/L	NS		NS		<10.0	U	NS		NS		<10.0	U	NS		NS		NS		NS		NS	
Cyanide (SW9012B/ KELADA-01)																								
Cyanide	0.20	mg/L	0.089		0.04		0.058		0.028		0.046		0.073		0.018	L	<0.010	L	0.020	L	0.090	L	0.190	



D

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ST24 BIOREMEDIATION IRM WORKPLAN
PRE-AMENDMENT AND 3-MONTH SAMPLING
RIVERVIEW INNOVATION & TECHNOLOGY CAMPUS, INC.
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FIGURE 1B

DRAWING NUMBER
Data Transmittal

Table 12B
ST24 Bioremediation IRM
ST24 Area Investigation
Riverview Innovation Technology Campus, Inc.
Tonawanda, New York

Analytes	Part 375 SCOs Commercial	Part 375 SCOs Industrial	Units	TP-ST24-06-01-06162022	TP-ST24-618-01-06162022	TP-ST24-06-02-06162022	TP-ST24-618-02-06162022	TP-ST24-06-03-06162022	TP-ST24-618-03-06162022	TP-ST24-06-04-06162022	TP-ST24-618-04-06162022	TP-ST24-06-05-06162022	TP-ST24-618-05-06162022	TP-ST24-06-06-06162022
			Sample Date:	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022
			Sample Interval:	0 - 6"	6" - 18"	0 - 6"	6" - 18"	0 - 6"	6" - 18"	0 - 6"	6" - 18"	0 - 6"	6" - 18"	0 - 6"
			Formation/Location:	No. 1 Sand	No. 1 Clay	No. 2 Sand	No. 2 Clay	No. 3 Sand	No. 3 Clay	No. 4 Sand	No. 4 Clay	No. 5 Sand	No. 5 Clay	No. 6 Sand
TCL VOCs (SW8260C)														
1,1,1-Trichloroethane (TCA)	500,000	1,000,000	ug/kg	<0.22 U	<11.0 U	<17.0 U	<110 U	<0.16 U	<0.14 U	<0.25 U	<11.0 U	<0.18 U	<44.0 U	<38.0 U
1,1,2,2-Tetrachloroethane			ug/kg	<0.21 U	<11.0 U	<17.0 U	<110 U	<0.16 U	<0.14 U	<0.25 U	<11.0 U	<0.18 U	<44.0 U	<38.0 U
1,1,2-Trichloroethane			ug/kg	<0.34 U	<18.0 U	<27.0 U	<170 U	<0.26 U	<0.23 U	<0.40 U	<17.0 U	<0.28 U	<71.0 U	<61.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)			ug/kg	<0.90 U	<46.0 U	<70.0 U	<450 U	<0.68 U	<0.60 U	<1.0 U	<44.0 U	<0.74 U	<180 U	<160 U
1,1-Dichloroethane	240,000	480,000	ug/kg	<0.19 U	<9.7 U	<15.0 U	<94.0 U	<0.14 U	<0.13 U	<0.22 U	<9.3 U	<0.16 U	<38.0 U	<33.0 U
1,1-Dichloroethene	500,000	1,000,000	ug/kg	<0.31 U	<16.0 U	<24.0 U	<160 U	<0.24 U	<0.21 U	<0.36 U	<15.0 U	<0.25 U	<63.0 U	<54.0 U
1,2,3-Trichlorobenzene			ug/kg	<0.42 U	<22.0 U	<33.0 U	<210 U	<0.32 U	<0.28 U	<0.48 U	<21.0 U	<0.34 U	<86.0 U	<74.0 U
1,2,4-Trichlorobenzene			ug/kg	<0.35 U	<18.0 U	<28.0 U	<180 U	<0.27 U	<0.24 U	<0.41 U	<17.0 U	<0.29 U	<72.0 U	<62.0 U
1,2-Dibromo-3-Chloropropane			ug/kg	<1.3 U	<67.0 U	<100 U	<650 U	<0.99 U	<0.87 U	<1.5 U	<64.0 U	<1.1 U	<260 U	<230 U
1,2-Dibromoethane (Ethylene Dibromide)			ug/kg	<0.36 U	<19.0 U	<28.0 U	<180 U	<0.28 U	<0.24 U	<0.42 U	<18.0 U	<0.30 U	<74.0 U	<64.0 U
1,2-Dichlorobenzene	500,000	1,000,000	ug/kg	<0.19 U	<9.6 U	<15.0 U	<94.0 U	<0.14 U	<0.12 U	<0.22 U	<9.2 U	<0.15 U	<38.0 U	<33.0 U
1,2-Dichloroethane	30,000	60,000	ug/kg	<0.33 U	<17.0 U	<26.0 U	<170 U	<0.25 U	<0.22 U	<0.39 U	<16.0 U	<0.27 U	<68.0 U	<59.0 U
1,2-Dichloropropane			ug/kg	<0.16 U	<8.4 U	<13.0 U	<82.0 U	<0.12 U	<0.11 U	<0.19 U	<8.0 U	<0.13 U	<33.0 U	<29.0 U
1,3-Dichlorobenzene	280,000	560,000	ug/kg	<0.19 U	<9.9 U	<15.0 U	<96.0 U	<0.15 U	<0.13 U	<0.22 U	<9.5 U	<0.16 U	<39.0 U	<34.0 U
1,4-Dichlorobenzene	130,000	250,000	ug/kg	<0.22 U	<11.0 U	<17.0 U	<110 U	<0.17 U	<0.15 U	<0.26 U	<11.0 U	<0.18 U	<46.0 U	<39.0 U
1,4-Dioxane (P-Dioxane)	130,000	250,000	ug/kg	<45.0 U	<2300 U	<3600 U	<23000 U	<35.0 U	<30.0 U	<53.0 U	<2200 U	<38.0 U	<9300 U	<8000 U
Methyl Ethyl Ketone (2-Butanone)	500,000	1,000,000	ug/kg	<2.9 U	<150 U	<220 U	<1400 U	<2.2 U	**7.2** J	**6.4** J	<140 U	**15**	<590 U	<510 U
2-Hexanone			ug/kg	<1.5 U	<79.0 U	<120 U	<770 U	<1.2 U	<1.0 U	<1.8 U	<76.0 U	<1.3 U	<310 U	<270 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)			ug/kg	<1.6 U	<86.0 U	<130 U	<830 U	<1.3 U	<1.1 U	<1.9 U	<82.0 U	<1.4 U	<340 U	<290 U
Acetone	500,000	1,000,000	ug/kg	**27**	<320 U	<490 U	<3100 U	**16**	**48**	**76**	<310 U	**74**	<1300 U	**1600** J
Benzene	44,000	89,000	ug/kg	**17**	**31000**	**41000**	**320000**	**3.6**	**170**	**3.7**	**420**	**58**	**130000**	**98000**
Bromochloromethane			ug/kg	<0.26 U	<14.0 U	<21.0 U	<130 U	<0.20 U	<0.18 U	<0.31 U	<13.0 U	<0.22 U	<54.0 U	<460 U
Bromodichloromethane			ug/kg	<0.14 U	<7.3 U	<11.0 U	<71.0 U	<0.11 U	<0.10 U	<0.16 U	<7.0 U	<0.12 U	<29.0 U	<25.0 U
Bromoform			ug/kg	<0.32 U	<16.0 U	<25.0 U	<160 U	<0.24 U	<0.21 U	<0.37 U	<16.0 U	<0.26 U	<65.0 U	<56.0 U
Bromomethane			ug/kg	<0.75 U	<39.0 U	<59.0 U	<380 U	<0.57 U	<0.51 U	<0.88 U	<37.0 U	<0.62 U	<150 U	<130 U
Carbon Disulfide			ug/kg	<5.9 U	<300 U	<460 U	<3000 U	<4.5 U	<4.0 U	<6.8 U	<290 U	<4.9 U	<1200 U	<1000 U
Carbon Tetrachloride	22,000	44,000	ug/kg	<0.30 U	<15.0 U	<23.0 U	<150 U	<0.23 U	<0.20 U	<0.35 U	<15.0 U	<0.25 U	<61.0 U	<53.0 U
Chlorobenzene	500,000	1,000,000	ug/kg	<0.16 U	<8.5 U	<13.0 U	<83.0 U	<0.12 U	<0.11 U	<0.19 U	<8.2 U	<0.14 U	<34.0 U	<29.0 U
Chloroethane			ug/kg	<0.58 U	<30.0 U	<46.0 U	<290 U	<0.45 U	<0.39 U	<0.68 U	<29.0 U	<0.48 U	<120 U	<100 U
Chloroform	350,000	700,000	ug/kg	<0.18 U	<9.4 U	<14.0 U	<91.0 U	<0.14 U	<0.12 U	<0.21 U	<9.0 U	<0.15 U	<37.0 U	<32.0 U
Chloromethane			ug/kg	<1.2 U	<62.0 U	<95.0 U	<610 U	<0.92 U	<0.81 U	<1.4 U	<60.0 U	<1.0 U	<250 U	<210 U
Cyclohexane			ug/kg	**3.0** J	**670**	<55.0 U	<1400 J	**2.7** J	**10**	<0.82 U	**92** J	**6.1** J	**660** J	<120 U
Dibromochloromethane			ug/kg	<0.18 U	<9.4 U	<14.0 U	<91.0 U	<0.14 U	<0.12 U	<0.21 U	<9.0 U	<0.15 U	<37.0 U	<32.0 U
Dichlorodifluoromethane			ug/kg	<1.2 U	<61.0 U	<93.0 U	<600 U	<0.90 U	<0.80 U	<1.4 U	<59.0 U	<0.98 U	<240 U	<210 U
Methylene Chloride	500,000	1,000,000	ug/kg	<3.0 U	<150 U	<230.0 U	<1500 U	<2.3 U	<2.0 U	<3.4 U	<150 U	<2.4 U	<610 U	<520 U
Ethylbenzene	390,000	780,000	ug/kg	<0.18 U	**25000**	**2400**	**22000**	**44**	**58**	**3.0**	**2100**	**160**	**5000**	**5700**
Isopropylbenzene (Cumene)			ug/kg	<0.14 U	**280**	**22** J	**260** J	**1.2**	**0.45** J	**0.79** J	**33** J	**1.4**	**31** J	**46** J
Methyl Acetate			ug/kg	<1.2 U	<64.0 U	**940**	<620 U	<0.94 U	<0.83 U	<1.4 U	<61.0 U	<1.0 U	<250 U	**1200**
Methyl Tert-Butyl Ether	500,000	1,000,000	ug/kg	<0.26 U	<13.0 U	<20.0 U	<130 U	<0.20 U	<0.18 U	<0.30 U	<13.0 U	<0.22 U	<53.0 U	<46.0 U
Methylcyclohexane			ug/kg	**6.4**	**1100**	<61.0 U	**1700** J	**8.1**	**12**	**1.9** J	**190** J	**9.9**	**550** J	<140 U
Styrene			ug/kg	**1.3**	**3100**	**360**	**4400**	<0.19 U	**0.73** J	<0.30 U	<13.0 U	<0.21 U	**2400**	**730**
Tetrachloroethene	150,000	300,000	ug/kg	**1.5**	**740**	<20.0 U	**330**	<0.19 U	<0.17 U	<0.30 U	<13.0 U	<0.21 U	**89** J	<45.0 U
Toluene	500,000	1,000,000	ug/kg	**2.3**	**12000**	**1500**	**74000**	**1.1**	**6.8**	<0.82 U	<35.0 U	**4.3**	**32000**	**8400**
Trichloroethene	200,000	400,000	ug/kg	<0.18 U	<9.2 U	**68**	<89.0 U	<0.14 U	<0.12 U	<0.21 U	<8.8 U	<0.15 U	<36.0 U	<31.0 U
Trichlorofluoromethane			ug/kg	<0.90 U	<46.0 U	<71.0 U	<450 U	<0.69 U	<0.60 U	<1.0 U	<45.0 U	<0.74 U	<180 U	<160 U
Vinyl Chloride	13,000	27,000	ug/kg	<0.43 U	<22.0 U	<34.0 U	<220 U	<0.33 U	<0.29 U	<0.50 U	<22.0 U	<0.36 U	<89.0 U	<77.0 U
Cis-1,2-Dichloroethylene	500,000	1,000,000	ug/kg	<0.23 U	<12.0 U	<18.0 U	<110 U	<0.17 U	<0.15 U	<0.26 U	<11.0 U	<0.19 U	<46.0 U	<40.0 U
Cis-1,3-Dichloropropene			ug/kg	<0.20 U	<10.0 U	<16.0 U	<100 U	<0.16 U	<0.14 U	<0.24 U	<10.0 U	<0.17 U	<42.0 U	<36.0 U
m,p-Xylene	500,000	1,000,000	ug/kg	**2.3** J	**51000**	**1500**	**52000**	**3.7**	**12**	**1.2** J	**220**	**5.2**	**9800**	**8500**
O-Xylene (1,2-Dimethylbenzene)	500,000	1,000,000	ug/kg	**1.9**	**8400**	**610**	**9300**	**3.3**	**2.2**	<0.44 U	**31** J	**3.4**	**2300**	**1900**
Trans-1,2-Dichloroethene	500,000	1,000,000	ug/kg	<0.18 U	<9.2 U	<14.0 U	<89.0 U	<0.14 U	<0.12 U	<0.21 U	<8.8 U	<0.15 U	<36.0 U	<31.0 U
Trans-1,3-Dichloropropene			ug/kg	<0.35 U	<18.0 U	<28.0 U	<180 U	<0.27 U	<0.24 U	<0.41 U	<18.0 U	<0.29 U	<73.0 U	<62.0 U
TCL SVOCs (SW8270D)														
Acenaphthene	500,000	1,000,000	ug/kg	**220**	<22.0 U	**33** J	<21.0 U	<19.0 U	<21.0 U	<20.0 U	<21.0 U	<27 U	<20.0 U	**100** J
Hexachlorobenzene	6,000	12,000	ug/kg	<27.0 U	<24.0 U	<27.0 U	<23.0 U	<21.0 U	<23.0 U	<22.0 U	<23.0 U	<29.0 U	<22.0 U	<27.0 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)			ug/kg	<33.0 U	<29.0 U	<33.0 U	<27.0 U	<25.0 U	<28.0 U	<27.0 U	<28.0 U	<35.0 U	<26.0 U	<32.0 U
2-Chloronaphthalene			ug/kg	<24.0 U	<21.0 U	<24.0 U	<20.0 U	<18.0 U	<20.0 U	<20.0 U	<20.0 U	<26.0 U	<19.0 U	<24.0 U
3,3'-Dichlorobenzidine			ug/kg	<64.0 U	<58.0 U	<65.0 U	<54.0 U	<49.0 U	<54.0 U	<52.0 U	<55.0 U	<69.0 U	<52.0 U	<64.0 U
2,4-Dinitrotoluene			ug/kg	<48.0 U	<43.0 U	<48.0 U	<40.0 U	<37.0 U	<41.0 U	<39.0 U	<41.0 U	<52.0 U	<39.0 U	<48.0 U
2,6-Dinitrotoluene			ug/kg	<41.0 U	<37.0 U	<42.0 U	<35.0 U	<32.0 U	<35.0 U	<34.0 U	<35.0 U	<45 U	<33.0 U	<41.0 U
Fluoranthene	500,000	1,000,000	ug/kg	<28.0 U	**35** J	**680**	<23.0 U	<21.0 U	<23.0 U	<22.0 U	<24.0 U	**170**	<20.0 U	**2700**
4-Chlorophenyl Phenyl Ether			ug/kg	<26.0 U	<23.0 U	<26.0 U	<22.0 U	<20.0 U	<22.0 U	<21.0 U	<22.0 U	<28.0 U	<21.0 U	<26.0 U
4-Bromophenyl Phenyl Ether			ug/kg	<37.0 U	<33.0 U	<37.0 U	<31.0 U	<28.0 U	<31.0 U	<30.0 U	<31.0 U	<40.0 U	<30.0 U	<36.0 U
Bis(2-Chloroisopropyl) Ether			ug/kg	<41.0 U	<37.0 U	<42.0 U	<34.0 U	<31.0 U	<35.0 U	<34.0 U	<35.0 U	<44.0 U	<33.0 U	<41.0 U
Bis(2-Chloroethoxy) Methane			ug/kg	<24.0 U	<22.0 U	<24.0 U	<20.0 U	<18.0 U	<20.0 U	<20.0 U	<21.0 U	<26.0 U	<20.0 U	<24.0 U
Hexachlorobutadiene			ug/kg	<35.0 U	<32.0 U	<36.0 U	<30.0 U	<27.0 U	<30.0 U	<29.0 U	<30.0 U	<38.0 U	<28.0 U	<35.0 U
Hexachlorocyclopentadiene			ug/kg	<220 U	<200 U	<220 U	<180 U	<170 U	<180.0 U	<180 U	<190 U	<240 U	<180 U	<220 U
Hexachloroethane			ug/kg	<39.0 U	<35.0 U	<39.0 U	<33.0 U	<30.0 U	<33.0 U	<32.0 U	<33.0 U	<42.0 U	<32.0 U	<39.0 U
Isophorone			ug/kg	<31.0 U	<28.0 U	<32.0 U	<26.0 U	<24.0 U	<26.0 U	<26.0 U	<27.0 U	<34.0 U	<25.0 U	<31.0 U
Naphthalene	500,000	1,000,000	ug/kg	**110** J	**100** J	**550**	**940**	<22.0 U	<25.0 U	<24.0 U	<25.0 U	**45** J	**26** J	**140** J
Nitrobenzene			ug/kg	<36.0 U	<32.0 U	<36.0 U	<30.0 U	<27.0 U	<30.0 U	<29.0 U	<30.0 U	<38.0 U	<29.0 U	<35.0 U
N-Nitrosodiphenylamine			ug/kg	<27.0 U	<25.0 U	<28.0 U	<23.0 U	<21.0 U	<23.0 U	<22.0 U	<23.0 U	<30.0 U	<22.0 U	<27.0 U
N-Nitrosodi-N-Propylamine			ug/kg	<37.0 U	<33.0 U	<38.0 U	<31.0 U	<28.0 U	<31.0 U	<30.0 U	<32.0 U	<40.0 U	<30.0 U	<37.0 U
Bis(2-Ethylhexyl) Phthalate			ug/kg	<84.0 U	<75.0 U	**120** J	<70.0 U	<64.0 U	<70.0 U	<68.0 U	<71.0 U	**110** J	<67.0 U	<83.0 U
Benzyl Butyl Phthalate			ug/kg	<61.0 U	<54.0 U	<61.0 U	<51.0 U	<46.0 U	<51.0 U	<50.0 U	<52.0 U	**100** J	<49.0 U	<60.0 U
Di-N-Butyl Phthalate			ug/kg	<46.0 U	<41.0 U	**150** J	<38.0 U	<35.0 U	<38.0 U	<37.0 U	<39.0 U	<49.0 U	<37.0 U	<45.0 U
Di-N-Octylphthalate			ug/kg	<82.0 U	<74.0 U	<83.0 U	<69.0 U	<62.0 U	<69.0 U	<67.0 U	<70.0 U	<88.0 U	<66.0 U	<81.0 U
Diethyl Phthalate			ug/kg	<22.0 U	<20.0 U	<22.0 U	<19.0 U	<17.0 U	<19.0 U	<18.0 U	<19.0 U	<24.0 U	<18.0 U	<22.0 U
Dimethyl Phthalate			ug/kg	<51.0 U	<45.0 U	<51.0 U	<42.0 U	<39.0 U	<43.0 U	<41.0 U	<43.3 U	<55.0 U	<41.0 U	<50.0 U
Benzo(A)Anthracene	5,600	11,000	ug/kg	<27.0 U	<24.0 U	**280**	<23.0 U	<21.0 U	<23.0 U	<22.0 U	<23.0 U	**99** J	<22.0 U	**1200**
Benzo(A)Pyrene	1,000	1,100	ug/kg	<59.0 U	<53.0 U	**350**	<49.0 U	<45.0 U	<50.0 U	<48.0 U	<50.0 U	**69** J	<48.0 U	**1300**
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	**1500**	<36.0 U	**610**	<34.0 U	<31.0 U	<34.0 U	<33.0 U	<35.0 U	**88** J	<33.0 U	**1600**
Benzo(K)Fluoranthene	56,000	110,000	ug/kg	**520**	<35.0 U	**150**	<32.0 U	<29.0 U	<32.0 U	<31.0 U	<33.0 U	**43** J	<31.0 U	**560**
Chrysene	56,000	110,000	ug/kg	**950**	**22** J	**460**	<21.0 U	<19.0 U	<21.0 U	<20.0 U	<21.0 U	**81** J	<20.0 U	**1300**
Acenaphthylene	500,000	1,000,000	ug/kg	**46** J	<33.0 U	**95** J	<31.0 U	<28.0 U	<31.0 U	<30.0 U	<32.0 U	<40 U	<30.0 U	**510**
Anthracene	500,000	1,000,000	ug/kg	**120** J	<42.0 U	<47.0 U	<39.0 U	<36.0 U	<40.0 U	<38.0 U	<40.0 U	<51.0 U	<38.0 U	**560**
Benzo(G,H,I)Perylene	500,000	1,000,000	ug/kg	**1000**	<25.0 U	**260**	<24.0 U	<22.0 U	<24.0 U	<23.0 U	<24.0 U	<31.0 U	<23.0 U	**830**
Fluorene	500,000	1,000,000	ug/kg	**63** J	<21.0 U	**62** J	<20.0 U	<18.0 U	<20.0 U	<19.0 U	<20.0 U	<25.0 U	<19.0 U	**310**
Phenanthrene	500,000	1,000,000	ug/kg	**660**	<26.0 U	**580**	<24.0 U	<22.0 U	<25.0 U	<24.0 U	<25.0 U	**150** J	<24.0 U	**2100**
Dibenz(A,H)Anthracene	560	1,100	ug/kg	**180**	<25.0 U	**57** J	<23.0 U	<21.0 U	<23.0 U	<23.0 U	<24.0 U	<30.0 U	<22.0 U	**250**
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	**1100**	<30.0 U	**290**	<28.0 U	<26.0 U	<28.0 U	<27.0 U	<29.0 U	<36.0 U	<27.0 U	**960**
Pyrene	500,000	1,000,000	ug/kg	**1300**	**33** J	**530**	<20.0 U	<18.0 U	<20.0 U	<20.0 U	<20.0 U	**120** J	<19.0 U	**2100**
Biphenyl			ug/kg	<31.0 U	<28.0 U	**120** J	<26.0 U	<24.0 U	<26.0 U	<26.0 U	<27.0 U	<34.0 U	<25.0 U	<31.0 U
4-Chloroaniline			ug/kg	<44.0 U	<39.0 U	<44.0 U	<37.0 U	<34.0 U	<37.0 U	<36.0 U	<38.0 U	<47.0 U	<35.0 U	<44.0 U
2-Nitroaniline			ug/kg	<46.0 U	<42.0 U	<47.0 U	<39.0 U	<35.0 U	<39.0 U	<38.0 U	<40.0 U	<50.0 U	<38.0 U	<46.0 U
3-Nitroaniline			ug/kg	<46.0 U	<41.0 U	<46.0 U	<38.0 U	<35.0 U	<38.0 U	<37.0 U	<39.0 U	<49.0 U	<37.0 U	<45.0 U
4-Nitroaniline			ug/kg	<100 U	<90.0 U	<100 U	<84.0 U	<76.0 U	<84.0 U	<81.0 U	<85.0 U	<110 U	<81.0 U	<99.0 U
Dibenzofuran	350,000	1,000,000	ug/kg	**42** J	<20.0 U	**120** J	<19.0 U	<17.0 U	<19.0 U	<19.0 U	<20.0 U	<25.0 U	<18.0 U	<23.0 U
2-Methylnapthalene			ug/kg	**67** J	<26.0 U	**380**	**48** J	<22.0 U	<24.0 U	<24.0 U	<25.0 U	<31.0 U	<24.0 U	**58** J
1,2,4,5-Tetrachlorobenzene			ug/kg	<25.0 U	<22.0 U	<25.0 U	<21.0 U	<19.0 U	<21.0 U	<20.0 U	<22.0 U	<27.0 U	<20.0 U	<25.0 U
Acetophenone			ug/kg	<30.0 U	**60** J	**680**	<25.0 U	<23.0 U	<25.0 U	<24.0 U	<26.0 U	<32.0 U	<24.0 U	**34** J
2,4,6-Trichlorophenol			ug/kg	<46.0 U	<41.0 U	<46.0 U	<38.0 U	<35.0 U	<38.0 U	<37.0 U	<39.0 U	<49.0 U	<37.0 U	<45.0 U
4-Chloro-3-Methylphenol (p-Chloro-m-cresol)			ug/kg	<36.0 U	<32.0 U	<36.0 U	<30.0 U	<27.0 U	<30.0 U	<29.0 U	<31.0 U	<39.0 U	<29.0 U	<36.0 U
2-Chlorophenol			ug/kg	<28.0 U	<26.0 U	<29.0 U	<24.0 U	<22.0 U	<24.0 U	<23.0 U	<24.0 U	<31.0 U	<23.0 U	<28.0 U
2,4-Dichlorophenol			ug/kg	<39.0 U	<35.0 U	<39.0 U	<32.0 U	<30.0 U	<33.0 U	<32.0 U	<33.0 U	<42.0 U	<31.0 U	<38.0 U
2,4-Dimethylphenol			ug/kg	<80.0 U	<71.0 U	<80.0 U	<67.0 U	<61.0 U	<67.0 U	<65.0 U	<68.0 U	<86.0 U	<64.0 U	<79.0 U
2-Nitrophenol			ug/kg	<91.0 U	<81.0 U	<91.0 U	<76.0 U	<69.0 U	<76.0 U	<74.0 U	<78.0 U	<98.0 U	<73.0 U	<90.0 U
4-Nitrophenol			ug/kg	<98.0 U	<88.0 U	<99.0 U	<82.0 U	<75.0 U	<83.0 U	<80.0 U	<84.0 U	<110 U	<79.0 U	<98.0 U
2,4-Dinitrophenol			ug/kg	<110 U	<100 U	<110 U	<94.0 U	<86.0 U	<95.0 U	<92.0 U	<96.0 U	<120 U	<91.0 U	<110 U
4,6-Dinitro-o-cresol			ug/kg	<120 U	<100 U	<120 U	<97.0 U	<88.0 U	<97.0 U	<94.0 U	<99.0 U	<120 U	<93.0 U	<120 U
Pentachlorophenol	6,700	55,000	ug/kg	<53.0 U	<48.0 U	<53.0 U	<44.0 U	<40.0 U	<45.0 U	<43.0 U	<45.0 U	<57.0 U	<43.0 U	<53.0 U
Phenol	500,000	1,000,000	ug/kg	<36.0 U	**440**	<37.0 U	**510**	<28.0 U	<31.0 U	<30.0 U	<31.0 U	**1100**	**4200**	**1100**
2-Methylphenol (O-Cresol)	500,000	1,000,000	ug/kg	<37.0 U	**66** J	**69** J	**160** J	<28.0 U	<31.0 U	<30.0 U	<32.0 U	<40.0 U	**260**	**62** J
3-Methylphenol/4-Methylphenol (Cresols, M & P)	500,000	1,000,000	ug/kg	<38.0 U	**64** J	**78** J	**190** J	<29.0 U	<32.0 U	<31.0 U	<32.0 U	<41.0 U	**310**	**74** J
2,4,5-Trichlorophenol			ug/kg	<46.0 U	<41.0 U	<46.0 U	<39.0 U	<35.0 U	<39.0 U	<38.0 U	<40.0 U	<50.0 U	<37.0 U	<46.0 U
Carbazole			ug/kg	**120** J	<21.0 U	**47** J	<20.0 U	<18.0 U	<20.0 U	<19.0 U	<20.0 U	<25.0 U	<19.0 U	**280**
Atrazine			ug/kg	<84.0 U	<76.0 U	<85.0 U	<71.0 U	<64.0 U	<71.0 U	<69.0 U	<72.0 U	<91.0 U	<68.0 U	<84.0 U
Benzaldehyde			ug/kg	<65.0 U	<58.0 U	**2400**	<55.0 U	<50.0 U	<55.0 U	<53.0 U	<56.0 U	<70.0 U	**160** J	<65.0 U
Caprolactam			ug/kg	<73.0 U	<66.0 U	<74.0 U	<61.0 U	<56.0 U	<62.0 U	<60.0 U	<63.0 U	<79.0 U	**82** J	<73.0 U
2,3,4,6-Tetrachlorophenol			ug/kg	<49.0 U	<44.0 U	<49.0 U	<41.0 U	<37.0 U	<41.0 U	<40.0 U	<42.0 U	<53.0 U	<39.0 U	<48.0 U

Analytes	TP-ST24-618-06-06162022	TP-ST24-40-06-06162022	TP-ST24-06-07-06162022	TP-ST24-618-07-06162022	TP-ST24-06-08-06162022	TP-ST24-618-08-06162022	TP-ST24-06-09-06162022	TP-ST24-618-09-06162022	TP-ST24-06-10-06162022	TP-ST24-618-10-06162022	TP-ST24-06-11-06162022	TP-ST24-618-11-06162022	TP-ST24-1824-11-06162022	TP-ST24-06-12-06162022	TP-ST24-618-12-06162022
Sample Date:	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022
Sample Interval:	6" - 18"	40"	0 - 6"	6" - 18"	0 - 6"	6" - 18"	0 - 6"	6" - 18"	0 - 6"	6" - 18"	0 - 6"	6" - 18"	18" - 24"	0 - 6"	6" - 18"
Formation/Location:	No. 6 Clay	No. 6 Clay	No. 7 Sand	No. 7 Clay	No. 8 Sand	No. 8 Clay	No. 9 Sand	No. 9 Clay	No. 10 Sand	No. 10 Clay	No. 11 Sand	No. 11 Clay	No. 11 Red Clay	No. 12 Sand	No. 12 Clay
TCL VOCs (SW8260C)															
1,1,1-Trichloroethane (TCA)	<92.0 U	<49.0 U	<13.0 U	<11.0 U	<0.24 U	<0.27 U	<17.0 U	<14.0 U	<0.18 U	<0.15 U	<0.28 U	<0.16 U	<0.15 U	<0.23 U	<0.14 U
1,1,2,2-Tetrachloroethane	<91.0 U	<48.0 U	<13.0 U	<11.0 U	<0.23 U	<0.27 U	<16.0 U	<14.0 U	<0.18 U	<0.15 U	<0.27 U	<0.16 U	<0.14 U	<0.23 U	<0.14 U
1,1,2-Trichloroethane	<150 U	<78.0 U	<20.0 U	<18.0 U	<0.38 U	<0.43 U	<27.0 U	<22.0 U	<0.29 U	<0.25 U	<0.44 U	<0.26 U	<0.23 U	<0.37 U	<0.22 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	<380 U	<200 U	<53.0 U	<46.0 U	<0.98 U	<1.1 U	<69.0 U	<57.0 U	<0.26 U	<0.64 U	<1.1 U	<0.67 U	<0.61 U	<0.97 U	<0.58 U
1,1-Dichloroethane	<80.0 U	<42.0 U	<11.0 U	<9.7 U	<0.20 U	<0.23 U	<14.0 U	<12.0 U	<0.16 U	<0.13 U	<0.24 U	<0.14 U	<0.13 U	<0.20 U	<0.12 U
1,1-Dichloroethene	<130 U	<69.0 U	<18.0 U	<16.0 U	<0.34 U	<0.38 U	<24.0 U	<20.0 U	<0.26 U	<0.22 U	<0.39 U	<0.23 U	<0.21 U	<0.33 U	<0.20 U
1,2,3-Trichlorobenzene	<180 U	<94.0 U	<25.0 U	<21.0 U	<0.46 U	<0.52 U	<32.0 U	<26.0 U	<0.35 U	<0.30 U	<0.53 U	<0.31 U	<0.28 U	<0.45 U	<0.27 U
1,2,4-Trichlorobenzene	<150 U	<79.0 U	<21.0 U	<18.0 U	<0.38 U	<0.44 U	<27.0 U	<22.0 U	<0.30 U	<0.25 U	<0.45 U	<0.26 U	<0.24 U	<0.38 U	<0.23 U
1,2-Dibromo-3-Chloropropane	<550 U	<290 U	<76.0 U	<66.0 U	<1.4 U	<1.6 U	<100 U	<82.0 U	<1.1 U	<0.92 U	<1.6 U	<0.97 U	<0.87 U	<1.4 U	<0.84 U
1,2-Dibromoethane (Ethylene Dibromide)	<150 U	<81.0 U	<21.0 U	<19.0 U	<0.39 U	<0.45 U	<28.0 U	<23.0 U	<0.30 U	<0.26 U	<0.46 U	<0.27 U	<0.24 U	<0.39 U	<0.23 U
1,2-Dichlorobenzene	<79.0 U	<42.0 U	<11.0 U	<9.6 U	<0.20 U	<0.23 U	<14.0 U	<12.0 U	<0.16 U	<0.13 U	<0.24 U	<0.14 U	<0.13 U	<0.20 U	<0.12 U
1,2-Dichloroethane	<140 U	<75.0 U	<20.0 U	<17.0 U	<0.36 U	<0.42 U	<26.0 U	<21.0 U	<0.28 U	<0.24 U	<0.42 U	<0.25 U	<0.22 U	<0.36 U	<0.22 U
1,2-Dichloropropane	<69.0 U	<36.0 U	<9.6 U	<8.3 U	<0.18 U	<0.20 U	<12.0 U	<10.0 U	<0.14 U	<0.12 U	<0.21 U	<0.12 U	<0.11 U	<0.17 U	<0.10 U
1,3-Dichlorobenzene	<81.0 U	<43.0 U	<11.0 U	<9.9 U	<0.21 U	<0.24 U	<15.0 U	<12.0 U	<0.16 U	<0.14 U	<0.24 U	<0.14 U	<0.13 U	<0.21 U	<0.12 U
1,4-Dichlorobenzene	<94.0 U	<50.0 U	<13.0 U	<11.0 U	<0.24 U	<0.28 U	<17.0 U	<14.0 U	<0.19 U	<0.16 U	<0.28 U	<0.17 U	<0.15 U	<0.24 U	<0.14 U
1,4-Dioxane (P-Dioxane)	<19000 U	<10000 U	<2700 U	<2300 U	<50.0 U	<57.0 U	<3500 U	<2900 U	<38.0 U	<32.0 U	<58.0 U	<34.0 U	<31.0 U	<49.0 U	<30.0 U
Methyl Ethyl Ketone (2-Butanone)	<1200 U	<650 U	<170 U	<150 U	<3.1 U	<3.6 U	<220 U	<180 U	<2.4 U	<2.0 U	**15** J	<2.2 U	**3.3** J	**31**	**2.8** J
2-Hexanone	<650 U	<340 U	<90.0 U	<79.0 U	<1.7 U	<1.9 U	<120 U	<97.0 U	<1.3 U	<1.1 U	<2.0 U	<1.1 U	<1.0 U	<1.6 U	<0.99 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	<700 U	<3760 U	<98.0 U	<85.0 U	<1.8 U	<2.1 U	<130 U	<100 U	<1.4 U	<1.2 U	<2.1 U	<1.2 U	<1.1 U	<1.8 U	<1.1 U
Acetone	<2600 U	<1400 U	**890**	<320 U	**11** J	**63**	**680** J	<400 U	**61**	**4.5** J	**76**	<4.7 U	**30**	**170**	**13**
Benzene	**240000**	**110000**	**6800**	**5300**	<0.23 U	**1.6**	**38000**	**12000**	<0.18 U	<0.15 U	<0.27 U	<0.16 U	**1.1**	**0.54** J	**0.37** J
Bromochloromethane	<110 U	<60.0 U	<16.0 U	<14.0 U	<0.29 U	<0.33 U	<20.0 U	<17.0 U	<0.22 U	<0.19 U	<0.34 U	<0.20 U	<0.18 U	<0.29 U	<0.17 U
Bromodichloromethane	<60.0 U	<32.0 U	<8.3 U	<7.3 U	<0.15 U	<0.18 U	<11.0 U	<9.0 U	<0.12 U	<0.10 U	<0.18 U	<0.11 U	<0.10 U	<0.15 U	<0.09 U
Bromoform	<140 U	<72.0 U	<19.0 U	<16.0 U	<0.35 U	<0.40 U	<24.0 U	<20.0 U	<0.27 U	<0.23 U	<0.41 U	<0.24 U	<0.22 U	<0.34 U	<0.21 U
Bromomethane	<320 U	<170 U	<44.0 U	<39.0 U	<0.82 U	<0.94 U	<58.0 U	<48.0 U	<0.64 U	<0.54 U	<0.96 U	<0.56 U	<0.51 U	<0.81 U	<0.49 U
Carbon Disulfide	<2500 U	<1300 U	**1400**	<300 U	<6.4 U	<7.4 U	<450 U	<370 U	<5.0 U	<4.2 U	<7.5 U	<4.4 U	<4.0 U	<6.4 U	<3.8 U
Carbon Tetrachloride	<130 U	<67.0 U	<18.0 U	<15.0 U	<0.32 U	<0.37 U	<23.0 U	<19.0 U	<0.25 U	<0.21 U	<0.38 U	<0.22 U	<0.20 U	<0.32 U	<0.19 U
Chlorobenzene	<70.0 U	<37.0 U	<9.7 U	<8.5 U	<0.18 U	<0.20 U	<13.0 U	<10.0 U	<0.14 U	<0.12 U	<0.21 U	<0.12 U	<0.11 U	<0.18 U	<0.11 U
Chloroethane	<250 U	<130 U	<34.0 U	<30.0 U	<0.64 U	<0.73 U	<45.0 U	<37.0 U	<0.50 U	<0.42 U	<0.75 U	<0.44 U	<0.40 U	<0.63 U	<0.38 U
Chloroform	<77.0 U	<41.0 U	<11.0 U	<9.3 U	<0.20 U	<0.23 U	<14.0 U	<12.0 U	<0.15 U	<0.13 U	<0.23 U	<0.14 U	<0.12 U	<0.20 U	<0.12 U
Chloromethane	<510 U	<270 U	<71.0 U	<62.0 U	<1.3 U	<1.5 U	<93.0 U	<77.0 U	<1.0 U	<0.86 U	<1.5 U	<0.91 U	<0.82 U	<1.3 U	<0.78 U
Cyclohexane	**1100** J	<160 U	<42.0 U	<36.0 U	<0.77 U	<0.88 U	<54.0 U	<45.0 U	<0.60 U	<0.50 U	<0.90 U	<0.53 U	<0.48 U	<0.76 U	<0.46 U
Dibromochloromethane	<77.0 U	<32.0 U	<11.0 U	<9.3 U	<0.20 U	<0.23 U	<14.0 U	<12.0 U	<0.15 U	<0.13 U	<0.23 U	<0.14 U	<0.12 U	<0.20 U	<0.12 U
Dichlorodifluoromethane	<500 U	<270 U	<70.0 U	<61.0 U	<1.3 U	<1.5 U	<91.0 U	<75.0 U	<1.0 U	<0.84 U	<1.5 U	<0.89 U	<0.80 U	<1.3 U	<0.77 U
Methylene Chloride	<1200 U	<670 U	<180 U	<150 U	<3.2 U	<3.7 U	<230 U	<190 U	<2.5 U	<2.1 U	<3.8 U	<2.2 U	<2.0 U	<3.2 U	<1.9 U
Ethylbenzene	**14000**	**770**	**580**	**490**	**0.52** J	<0.23 U	**480**	**1200**	<0.15 U	<0.13 U	<0.23 U	<0.14 U	<0.12 U	<0.20 U	<0.12 U
Isopropylbenzene (Cumene)	**160** J	<32.0 U	<8.3 U	<7.3 U	<0.15 U	<0.18 U	<11.0 U	<9.0 U	<0.12 U	<0.10 U	<0.18 U	<0.11 U	<0.10 U	<0.15 U	<0.09 U
Methyl Acetate	<520 U	<280 U	**790**	**270**	<1.3 U	<1.5 U	**620**	<78.0 U	<1.0 U	<0.88 U	<1.6 U	<0.92 U	<0.83 U	<1.3 U	<0.80 U
Methyl Tert-Butyl Ether	<110 U	<58.0 U	**16** J	<13.0 U	<0.28 U	<0.32 U	**20** J	<16.0 U	<0.22 U	<0.18 U	<0.33 U	<0.20 U	<0.18 U	<0.28 U	<0.17 U
Methylcyclohexane	**1000** J	<180 U	<46.0 U	**64** J	<0.85 U	<0.98 U	**130** J	<50.0 U	<0.66 U	<0.56 U	<1.0 U	<0.59 U	<0.53 U	<0.84 U	<0.51 U
Styrene	**22000**	**1600**	<15.0 U	**190**	<0.28 U	<0.32 U	**110**	**440**	<0.21 U	<0.18 U	<0.32 U	<0.19 U	<0.17 U	<0.27 U	<0.16 U
Tetrachloroethene	**330**	<57.0 U	<15.0 U	<13.0 U	<0.28 U	<0.32 U	**88** 68	<16.0 U	<0.21 U	<0.18 U	<0.32 U	<0.19 U	<0.17 U	<0.27 U	<0.16 U
Toluene	**230000** E	**45000**	**470**	**3200**	<0.77 U	<0.88 U	**3000**	**1600**	<0.60 U	<0.50 U	<0.90 U	<0.53 U	<0.48 U	**2.4**	<0.46 U
Trichloroethene	<75.0 U	<40.0 U	<10.0 U	<9.1 U	<0.19 U	<0.22 U	<14.0 U	<11.0 U	<0.15 U	<0.13 U	<0.23 U	<0.13 U	<0.12 U	<0.19 U	<0.12 U
Trichlorofluoromethane	<380 U	<200 U	<53.0 U	<46.0 U	<0.98 U	<1.1 U	<69.0 U	<57.0 U	<0.76 U	<0.64 U	<1.1 U	<0.68 U	<0.61 U	<0.27 U	<0.58 U
Vinyl Chloride	<180 U	<98.0 U	<26.0 U	<22.0 U	<0.47 U	<0.54 U	<33.0 U	<28.0 U	<0.37 U	<0.31 U	<0.55 U	<0.33 U	<0.29 U	<0.47 U	<0.28 U
Cis-1,2-Dichloroethylene	<96.0 U	<51.0 U	<13.0 U	<12.0 U	<0.25 U	<0.28 U	<17.0 U	<14.0 U	<0.19 U	<0.16 U	<0.29 U	<0.17 U	<0.15 U	<0.24 U	<0.15 U
Cis-1,3-Dichloropropene	<87.0 U	<46.0 U	<12.0 U	<10.0 U	<0.22 U	<0.26 U	<16.0 U	<13.0 U	<0.17 U	<0.14 U	<0.26 U	<0.15 U	<0.14 U	<0.22 U	<0.13 U
m,p-Xylene	**59000**	**3000**	**340**	**820**	<0.79 U	<0.90 U	**2100**	**1500**	<0.61 U	<0.52 U	<0.93 U	<0.54 U	<0.49 U	<0.78 U	<0.47 U
O-Xylene (1,2-Dimethylbenzene)	**18000**	**920**	**91**	**240**	<0.41 U	<0.47 U	**770**	**340**	<0.32 U	<0.27 U	<0.93 U	<0.28 U	<0.25 U	<0.41 U	<0.24 U
Trans-1,2-Dichloroethene	<75.0 U	<40.0 U	<10.0 U	<9.1 U	<0.19 U	<0.22 U	<14.0 U	<11.0 U	<0.15 U	<0.13 U	<0.23 U	<0.13 U	<0.12 U	<0.19 U	<0.12 U
Trans-1,3-Dichloropropene	<150 U	<80.0 U	<21.0 U	<18.0 U	<0.39 U	<0.44 U	<27.0 U	<22.0 U	<0.30 U	<0.25 U	<0.45 U	<0.26 U	<0.24 U	<0.38 U	<0.23 U
TCL SVOCs (SW8270D)															
Acenaphthene	<21.0 U	<20.0	**330**	<22.0 U	**770**	<22.0 U	<26.0 U	<24.0 U	**220**	**27** J	**280**	<22.0 U	<20.0 U	**490**	<21.0 U
Hexachlorobenzene	<23.0 U	<21.0	<26.0 U	<24.0 U	<32.0 U	<24.0 U	<28.0 U	<26.0 U	<26.0 U	<24.0 U	<30.0 U	<24.0 U	<21.0 U	<28.0 U	<23.0 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	<28.0 U	<26.0	<31.0 U	<28.0 U	<39.0 U	<29.0 U	<34.0 U	<31.0 U	<32.0 U	<29.0 U	<36.0 U	<29.0 U	<26.0 U	<33.0 U	<27.0 U
2-Chloronaphthalene	<20.0 U	<19.0	<23.0 U	<21.0 U	<28.0 U	<22.0 U	<25.0 U	<23.0 U	<23.0 U	<21.0 U	<26.0 U	<21.0 U	<19.0 U	<24.0 U	<20.0 U
3,3'-Dichlorobenzidine	<54.0 U	<51.0	<61.0 U	<56.0 U	<76.0 U	<58.0 U	<66.0 U	<61.0 U	<63.0 U	<56.0 U	<71.0 U	<56.0 U	<51.0 U	<65.0 U	<54.0 U
2,4-Dinitrotoluene	<41.0 U	<38.0	<46.0 U	<42.0 U	<58.0 U	<43.0 U	<50.0 U	<46.0 U	<47.0 U	<42.0 U	<53.0 U	<42.0 U	<38.0 U	<49.0 U	<40.0 U
2,6-Dinitrotoluene	<35.0 U	<33.0	<39.0 U	<36.0 U	<49.0 U	<37.0 U	<43.3 U	<39.0 U	<40.0 U	<36.0 U	<46.0 U	<36.0 U	<33.0 U	<42.0 U	<35.0 U
Fluoranthene	**470**	**27** J	**15000**	**740**	**3800**	<25.0 U	**91** J	<26.0 U	**1200**	**150**	**1700**	<24.0 U	<22.0 U	**5400**	**68** J
4-Chlorophenyl Phenyl Ether	<22.0 U	<20.0	<24.0 U	<22.0 U	<31.0 U	<23.0 U	<26.0 U	<24.0 U	<25.0 U	<23.0 U	<28.0 U	<23.0 U	<20.0 U	<26.0 U	<22.0 U
4-Bromophenyl Phenyl Ether	<31.0 U	<29.0	<35.0 U	<32.0 U	<44.0 U	<33.0 U	<38.0 U	<35.0 U	<36.0 U	<32.0 U	<40.0 U	<32.0 U	<29.0 U	<38.0 U	<31.0 U
Bis(2-Chloroisopropyl) Ether	<35.0 U	<33.0	<39.0 U	<36.0 U	<49.0 U	<37.0 U	<42.0 U	<39.0 U	<40.0 U	<36.0 U	<45.0 U	<36.0 U	<32.0 U	<42.0 U	<34.0 U
Bis(2-Chloroethoxy) Methane	<20.0 U	<19.0	<23.0 U	<21.0 U	<29.0 U	<22.0 U	<25.0 U	<23.0 U	<24.0 U	<21.0 U	<27.0 U	<21.0 U	<19.0 U	<25.0 U	<20.0 U
Hexachlorobutadiene	<30.0 U	<28.0	<33.0 U	<31.0 U	<42.0 U	<32.0 U	<36.0 U	<34.0 U	<34.0 U	<31.0 U	<39.0 U	<31.0 U	<28.0 U	<36.0 U	<30.0 U
Hexachlorocyclopentadiene	<180 U	<170	<210 U	<190 U	<260 U	<200 U	<220 U	<210 U	<210 U	<190 U	<240 U	<190 U	<170 U	<220 U	<180 U
Hexachloroethane	<33.0 U	<31.0	<37.0 U	<34.0 U	<46.0 U	<35.0 U	<40.0 U	<37.0 U	<38.0 U	<34.0 U	<43.0 U	<34.0 U	<31.0 U	<40.0 U	<33.0 U
Isophorone	<27.0 U	<25.0	<30.0 U	<27.0 U	<37.0 U	<28.0 U	<32.0 U	<30.0 U	<30.0 U	<27.0 U	<34.0 U	<28.0 U	<25.0 U	<32.0 U	<26.0 U
Naphthalene	**74** J	**23** J	**400**	**94** J	**500**	<26.0 U	<30.0 U	<28.0 U	**180** J	<26.0 U	**160** J	<26.0 U	<23.0 U	**660**	<25.0 U
Nitrobenzene	<30.0 U	<28.0	<34.0 U	<31.0 U	<42.0 U	<32.0 U	<37.0 U	<34.0 U	<35.0 U	<31.0 U	<39.0 U	<31.0 U	<28.0 U	<36.0 U	<30.0 U
N-Nitrosodiphenylamine	<23.0 U	<22.0	<26.0 U	<24.0 U	<33.0 U	<25.0 U	<28.0 U	<26.0 U	<27.0 U	<24.0 U	<30.0 U	<24.0 U	<22.0 U	<28.0 U	<23.0 U
N-Nitrosodi-N-Propylamine	<32.0 U	<29.0	<35.0 U	<32.0 U	<44.0 U	<33.0 U	<38.0 U	<35.0 U	<36.0 U	<33.0 U	<41.0 U	<33.0 U	<29.0 U	<38.0 U	<31.0 U
Bis(2-Ethylhexyl) Phthalate	<71.0 U	<66.0	**100** J	<73.0 U	<100 U	<75.0 U	<86.0 U	<79.0 U	<81.0 U	<73.0 U	<92.0 U	<73.0 U	<66.0 U	<85.0 U	<70.0 U
Benzyl Butyl Phthalate	<52.0 U	<48.0	<58.0 U	<53.0 U	<72.0 U	<55.0 U	<62.0 U	<58.0 U	<59.0 U	<53.0 U	<67.0 U	<53.0 U	<48.0 U	<62.0 U	<51.0 U
Di-N-Butyl Phthalate	<39.0 U	<36.0	<43.0 U	<40.0 U	**61** J	<41.0 U	<47.0 U	<43.0 U	<45.0 U	<40.0 U	<50.0 U	<40 U	<36.0 U	<47.0 U	<38.0 U
Di-N-Octylphthalate	<70.0 U	<65.0	<78.0 U	<71.0 U	<98.0 U	<74.0 U	<84.0 U	<78.0 U	<80.0 U	<72.0 U	<90.0 U	<72.0 U	<65.0 U	<84.0 U	<69.0 U
Diethyl Phthalate	<19.0 U	<18.0	<21.0 U	<19.0 U	<27.0 U	<20.0 U	<23.0 U	<21.0 U	<22.0 U	<20.0 U	<24.0 U	<20.0 U	<18.0 U	<23.0 U	<19.0 U
Dimethyl Phthalate	<43.0 U	<40.0	<48.0 U	<44.0 U	<60.0 U	<46.0 U	<52.0 U	<48.0 U	<49.0 U	<44.0 U	<56.0 U	<44.0 U	<40.0 U	<52.0 U	<42.0 U
Benzo(A)Anthracene	**170**	<22.0	**6200**	**290**	**2500**	<24.0 U	**63** J	<26.0 U	**730**	**95** J	**1100**	<24.0 U	<21.0 U	**2800**	**44** J
Benzo(A)Pyrene	**150** J	<47.0	**5900**	**260**	**4300**	<53.0 U	**100** J	<56.0 U	**1200**	**150** J	**1800**	<52.0 U	<46.0 U	**4200**	**68** J
Benzo(B)Fluoranthene	**190**	<32.0	**7200**	**310**	**4300**	<36.0 U	**110** J	<39.0 U	**1300**	**160**	**2000**	<36.0 U	<32.0 U	**4900**	**73** J
Benzo(K)Fluoranthene	**65** J	<30.0	**1900**	**120** J	**1800**	<35.0 U	**41** J	<37.0 U	**440**	**60** J	**630**	<34.0 U	<30.0 U	**1400**	<32.0 U
Chrysene	**160**	<20.0	**4900**	**270**	**2800**	<22.0 U	**67** J	<24.0 U	**830**	**110** J	**1200**	<22.0 U	<20.0 U	**3000**	**48** J
Acenaphthylene	**46** J	<29.0	**1900**	**77** J	**170** J	<33.0 U	<38.0 U	<35.0 U	<360 U	<33.0 U	**52** J	<33.0 U	<29.0 U	**830**	<31.0 U
Anthracene	**54** J	<37.0	**3100**	**140**	**410**	<42.0 U	<48.0 U	<45.0 U	**120** J	<41.0 U	**150** J	<41.0 U	<37.0 U	**680**	<39.0 U
Benzo(G,H,I)Perylene	**63** J	<22.0	**3000**	**130** J	**3300**	<26.0 U	**78** J	<27.0 U	**910**	**110** J	**1400**	<25.0 U	<22.0 U	**2900**	**52** J
Fluorene	**77** J	<18.0	**2800**	**110** J	**200** J	<21.0 U	<24.0 U	<22.0 U	**59** J	<20.0 U	**72** J	<21.0 U	<18.0 U	**370**	<20.0 U
Phenanthrene	**290**	<23.0	**14000**	**620**	**1800**	<26.0 U	**47** J	<28.0 U	**530**	**76** J	**770**	<26.0 U	<23.0 U	**2800**	**32** J
Dibenz(A,H)Anthracene	<24.0 U	<22.0	**800**	**30** J	**660**	<25.0 U	<29.0 U	<26.0 U	**180**	<24.0 U	**250**	<24.0 U	<22.0 U	**560**	<23.0 U
Indeno(1,2,3-C,D)Pyrene	**80** J	<27.0	**3900**	**160** J	**3600**	<30.0 U	**87** J	<32.0 U	**970**	**120** J	**1500**	<30.0 U	<26.0 U	**3300**	**59** J
Pyrene	**320**	**20** J	**8700**	**490**	**3600**	<22.0 U	**88** J	<23.0 U	**1100**	**150**	**1700**	<21.0 U	**20** J	**4800**	**61** J
Biphenyl	<27.0 U	<25.0	**150** J	<27.0 U	**57** J	<28.0 U	<32.0 U	<30.0 U	<31.0 U	<28.0 U	<34.0 U	<28.0 U	<25.0 U	**56** J	<26.0 U
4-Chloroaniline	<37.0 U	<35.0	<42.0 U	<38.0 U	<52.0 U	<39.0 U	<45.0 U	<42.0 U	<43.0 U	<38.0 U	<48.0 U	<39.0 U	<35.0 U	<45.0 U	<37.0 U
2-Nitroaniline	<40.0 U	<37.0	<44.0 U	<40.0 U	<55.0 U	<42.0 U	<48.0 U	<44.0 U	<45.0 U	<41.0 U	<51.0 U	<41.0 U	<37.0 U	<47.0 U	<39.0 U
3-Nitroaniline	<39.0 U	<36.0	<43.0 U	<40.0 U	<54.0 U	<41.0 U	<47.0 U	<43.0 U	<44.0 U	<40.0 U	<50.0 U	<40.0 U	<36.0 U	<46.0 U	<38.0 U
4-Nitroaniline	<85.0 U	<79.0	<95.0 U	<87.0 U	<120 U	<90.0 U	<100 U	<95.0 U	<97.0 U	<88.0 U	<110 U	<88.0 U	<79.0 U	<100 U	<84.0 U
Dibenzofuran	**42** J	<18.0	**1500**	**68** J	**140** J	<20.0 U	<23.0 U	<22.0 U	**43** J	<20.0 U	**51** J	<20.0 U	<18.0 U	**210** J	<19.0 U
2-Methylnapthalene	<25.0 U	<23.0	**330**	**33** J	**260** J	<26.0 U	<30.0 U	<28.0 U	**62** J	<26.0 U	**80** J	<26.0 U	<23.0 U	**220** J	<24.0 U
1,2,4,5-Tetrachlorobenzene	<21.0 U	<20.0	<24.0 U	<22.0 U	<30.0 U	<23.0 U	<26.0 U	<24.0 U	<24.0 U	<22.0 U	<28.0 U	<22.0 U	<20.0 U	<26.0 U	<21.0 U
Acetophenone	<25.0 U	**53** J	<28.0 U	<26.0 U	**65** J	<27.0 U	<31.0 U	<28.0 U	<29.0 U	<26.0 U	<33.0 U	<26.0 U	<24.0 U	<30.0 U	<25.0 U
2,4,6-Trichlorophenol	<39.0 U	<36.0	<43.0 U	<40.0 U	<54.0 U	<41.0 U	<47.0 U	<43.0 U	<45.0 U	<40.0 U	<50.0 U	<40.0 U	<36.0 U	<47.0 U	<38.0 U
4-Chloro-3-Methylphenol (p-Chloro-m-cresol)	<30.0 U	<28.0	<34.0 U	<31.0 U	<43.0 U	<32.0 U	<37.0 U	<34.0 U	<35.0 U	<32.0 U	<40.0 U	<32.0 U	<28.0 U	<37.0 U	<30.0 U
2-Chlorophenol	<24.0 U	<22.0	<27.0 U	<25.0 U	<34.0 U	<26.0 U	<29.0 U	<27.0 U	<28.0 U	<25.0 U	<31.0 U	<25.0 U	<22.0 U	<29.0 U	<24.0 U
2,4-Dichlorophenol	<33.0 U	<31.0	<37.0 U	<34.0 U	<46.0 U	<35.0 U	<40.0 U	<37.0 U	<38.0 U	<34.0 U	<43.0 U	<34.0 U	<31.0 U	<40.0 U	<32.0 U
2,4-Dimethylphenol	<68.0 U	<63.0	<76.0 U	<69.0 U	<95.0 U	<72.0 U	<82.0 U	<76.0 U	<78.0 U	<70.0 U	<88.0 U	<70.0 U	<63.0 U	<81.0 U	<67.0 U
2-Nitrophenol	<77.0 U	<72.0	<86.0 U	<79.0 U	<110 U	<82.0 U	<93.0 U	<86.0 U	<88.0 U	<80.0 U	<100 U	<80.0 U	<72.0 U	<92.0 U	<76.0 U
4-Nitrophenol	<84.0 U	<78.0	<93.0 U	<86.0 U	<120 U	<88.0 U	<100 U	<94.0 U	<96.0 U	<86.0 U	<110 U	<87.0 U	<78.0 U	<100 U	<82.0 U
2,4-Dinitrophenol	<96.0 U	<89.0	<110 U	<98.0 U	<130 U	<100 U	<120 U	<110 U	<110 U	<99.0 U	<120 U	<99.0 U	<89.0 U	<110 U	<94.0 U
4,6-Dinitro-o-cresol	<98.0 U	<92.0	<110 U	<100 U	<140 U	<100 U	<120 U	<110 U	<110 U	<100 U	<130 U	<100 U	<91.0 U	<120 U	<97.0 U
Pentachlorophenol	<45.0 U	<42.0	<50.0 U	<46.0 U	<63.0 U	<48.0 U	<55.0 U	<50.0 U	<52.0 U	<46.0 U	<58.0 U	<47.0 U	<42.0 U	<54.0 U	<44.0 U
Phenol	**940**	**1500**	**270**	**120** J	**85** J	<33.0 U	<38.0 U	**87** J	<36.0 U	<32.0 U	<40.0 U	<32.0 U	<29.0 U	**92** J	<30.0 U
2-Methylphenol (O-Cresol)	**380**	**98** J	<35.0 U	<32.0 U	<45.0 U	<34.0 U	<38.0 U	<36.0 U	<36.0 U	<33.0 U	<41.0 U	<33.0 U	<30.0 U	<38.0 U	<31.0 U
3-Methylphenol/4-Methylphenol (Cresols, M & P)	**410**	**170** J	**90** J	<33.0 U	**110** J	<34.0 U	<39.0 U	<36.0 U	**43** J	<33.0 U	<42.0 U	<33.0 U	<30.0 U	**280** J	<32.0 U
2,4,5-Trichlorophenol	<39.0 U	<36.0	<44.0 U	<40.0 U	<55.0 U	<42.0 U	<48.0 U	<44.0 U	<45.0 U	<40.0 U	<51.0 U	<41.0 U	<36.0 U	<47.0 U	<39.0 U
Carbazole	**44** J	<18.0	**1400**	**65** J	**360**	<21.0 U	<24.0 U	<22.0 U	**110** J	<20.0 U	**120** J	<21.0 U	<18.0 U	**340**	<20.0 U
Atrazine	<72.0 U	<67.0	<80.0 U	<74.0 U	<100 U	<76.0 U	<87.0 U	<80.0 U	<82.0 U	<74.0 U	<93.0 U	<74.0 U	<67.0 U	<86.0 U	<71.0 U
Benzaldehyde	<55.0 U	**180** J	<62.0 U	<57.0 U	**230** J	<58.0 U	<67.0 U	<62.0 U	<64.0 U	<57.0 U	<72.0 U	<57.0 U	<51.0 U	<66.0 U	<54.0 U
Caprolactam	<62.0 U	<58.0	<70.0 U	<64.0 U	<87.0 U	<66.0 U	<76.0 U	<70.0 U	<72.0 U	<64.0 U	<81.0 U	<64.0 U	<58.0 U	<75.0 U	<61.0 U
2,3,4,6-Tetrachlorophenol	<41.0 U	<38.0	<46.0 U	<42.0 U	<58.0 U	<44.0 U	<50.0 U	<46.0 U	<48.0 U	<43.0 U	<54.0 U	<43.0 U	<38.0 U	<50.0 U	<41.0 U

Table 12B
ST24 Bioremediation IRM
ST24 Area Investigation
Riverview Innovation Technology Campus, Inc.
Tonawanda, New York

Analytes	Part 375 SCOs Commercial	Part 375 SCOs Industrial	Units	TP-ST24-06-01-06162022	TP-ST24-618-01-06162022	TP-ST24-06-02-06162022	TP-ST24-618-02-06162022	TP-ST24-06-03-06162022	TP-ST24-618-03-06162022	TP-ST24-06-04-06162022	TP-ST24-618-04-06162022	TP-ST24-06-05-06162022	TP-ST24-618-05-06162022	TP-ST24-06-06-06162022	TP-ST24-618-06-06162022	TP-ST24-40-06-06162022	TP-ST24-06-07-06162022	TP-ST24-618-07-06162022	TP-ST24-06-08-06162022	TP-ST24-618-08-06162022	TP-ST24-06-09-06162022	TP-ST24-618-09-06162022	TP-ST24-06-10-06162022	TP-ST24-618-10-06162022	TP-ST24-06-11-06162022	TP-ST24-618-11-06162022	TP-ST24-1824-11-06162022	TP-ST24-06-12-06162022	TP-ST24-618-12-06162022
	Sample Date:			6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022	6/16/2022
	Sample Interval:			0 - 6"	6" - 18"	0 - 6"	6" - 18"	0 - 6"	6" - 18"	0 - 6"	6" - 18"	0 - 6"	6" - 18"	0 - 6"	6" - 18"	40'	0 - 6"	6" - 18"	0 - 6"	6" - 18"	0 - 6"	6" - 18"	0 - 6"	6" - 18"	0 - 6"	6" - 18"	18" - 24"	0 - 6"	6" - 18"
	Formation/Location:			No. 1 Sand	No. 1 Clay	No. 2 Sand	No. 2 Clay	No. 3 Sand	No. 3 Clay	No. 4 Sand	No. 4 Clay	No. 5 Sand	No. 5 Clay	No. 6 Sand	No. 6 Clay	No. 6 Clay	No. 7 Sand	No. 7 Clay	No. 8 Sand	No. 8 Clay	No. 9 Sand	No. 9 Clay	No. 10 Sand	No. 10 Clay	No. 11 Sand	No. 11 Clay	No. 11 Red Clay	No. 12 Sand	No. 12 Clay
TAL Metals (SW6010)																													
Aluminum			mg/kg	**10100**	**9100**	**2050**	**6220**	**2900**	**12500**	**11300**	**9650**	**15200**	**10000**	**2250** J	**7870**	**8000**	**2890**	**2670**	**10100**	**10200**	**2340**	**10600**	**9660**	**11500**	**7010**	**10500**	**8750**	**10400**	**9480**
Antimony			mg/kg	<0.442 U	<0.387 U	<0.432 U	<0.368 U	<0.341 U	<0.882 U	<0.354 U	<0.369 U	<0.484 U	<0.337 U	**2.04** J	<0.373 U	<0.345 U	**0.748** J	<0.370 U	<0.509 U	<0.388 U	<0.447 U	<0.406 U	<0.428 U	<0.386 U	**0.476** J	<0.365 U	<0.333 U	<0.453 U	<0.358 U
Arsenic	16	16	mg/kg	**6.85**	**4.01**	**8.44**	**4.79**	**2.14**	**3.37**	**2.43**	**3.12**	**3.10**	**3.14**	**39.1**	**2.69**	**4.37**	**18.4**	**5.89**	**6.81**	**2.50**	**4.97**	**4.18**	**5.46**	**4.01**	**5.70**	**4.57**	**3.29**	**8.05**	**4.52**
Barium	400	10,000	mg/kg	**58.4**	**64.6**	**27.1**	**20.8**	**13.8**	**130**	**109**	**85.6**	**90.2**	**92.0**	**82.9**	**25.7**	**69.6**	**96.8**	**167**	**94.4**	**105**	**155**	**42.6**	**85.7**	**98.2**	**62.4**	**94.3**	**68.1**	**120**	**92.9**
Beryllium	590	2,700	mg/kg	**0.976**	**0.753**	**0.114** J	**0.320** J	**0.144** J	**0.790** J	**0.586**	**0.457** J	**0.727**	**0.487**	**0.114** J	**0.392** J	**0.418** J	**0.135** J	**0.107** J	**0.616** J	**0.632**	**0.141** J	**0.619**	**0.620**	**0.569**	**0.551** J	**0.586**	**0.420** J	**0.513** J	**0.481**
Cadmium	9.3	60	mg/kg	**1.82**	**0.896** J	**2.86**	**0.562** J	**1.03**	**0.836** J	**0.614** J	**0.749** J	**0.943** J	**0.691** J	**4.92**	**1.42**	**0.726** J	**3.26**	**0.592**	**1.59**	**0.591** J	**1.28**	**1.15**	**1.57**	**0.732** J	**2.19**	**0.874** J	**0.692** J	**1.18** J	**0.735** J
Calcium			mg/kg	**12300**	**10400**	**61400**	**32100**	**33100**	**2970**	**6800**	**37400**	**11200**	**27100**	**15600**	**32900**	**42900**	**7530**	**5580**	**21300**	**24000**	**2110**	**14900**	**16200**	**34000**	**1740**	**23800**	**42600**	**4610**	**33300**
Chromium, Total			mg/kg	**17.7**	**10.7**	**20.9**	**14.1**	**3.75**	**16.2**	**13.5**	**13.1**	**18.0**	**13.4**	**58.9**	**10.5**	**12.6**	**28.6**	**13.6**	**22.0**	**13.0**	**9.20**	**13.9**	**15.2**	**14.8**	**19.3**	**14.7**	**13.1**	**39.2**	**13.5**
Cobalt			mg/kg	**6.31**	**6.10**	**3.07**	**5.5**	**2.45**	**16.0**	**5.54**	**7.39**	**11.1**	**7.27**	**20.3**	**8.35**	**8.20**	**7.99**	**2.79**	**6.72**	**6.32**	**2.01** J	**13.4**	**9.46**	**8.04**	**5.62**	**8.04**	**7.06**	**6.38**	**9.55**
Copper	270	10,000	mg/kg	**32.5**	**13.2**	**46.8**	**67.7**	**7.77**	**13.5**	**9.55**	**13.0**	**15.0**	**13.6**	**141**	**9.80**	**15.8**	**60.6**	**17.5**	**26.2**	**11.0**	**13.0**	**14.9**	**22.7**	**13.9**	**31.7**	**14.8**	**12.5**	**27.7**	**14.8**
Iron			mg/kg	**39000**	**20400**	**87200**	**13300**	**24300**	**22200**	**16400**	**17100**	**24200**	**16800**	**148000**	**35000**	**17300**	**104000**	**29200**	**40200**	**15500**	**36800**	**29100**	**35900**	**18800**	**51600**	**19400**	**16100**	**29500**	**17200**
Lead	1,000	3,900	mg/kg	**319**	**17.1**	**612**	**25.8**	**5.77**	**10.1** J	**7.25**	**7.51**	**12.2**	**8.00**	**572**	**6.02**	**7.38**	**278**	**100**	**378**	**9.68**	**477**	**52.9**	**99.7**	**8.46**	**320**	**9.87**	**6.89**	**208**	**8.05**
Magnesium			mg/kg	**4870**	**5390**	**506**	**1520**	**17700**	**4270**	**5610**	**10900**	**9270**	**10500**	**1110**	**8680**	**11000**	**613**	**1200**	**4850**	**8120**	**586**	**3120**	**6510**	**11400**	**1680**	**7430**	**9960**	**2840**	**10500**
Manganese	10,000	10,000	mg/kg	**273**	**218**	**386**	**51.6**	**574**	**217**	**7.25**	**563**	**293**	**745**	**690**	**663**	**445**	**408**	**148**	**286**	**508**	**64.1**	**424**	**489**	**408**	**92.4**	**452**	**369**	**134**	**750**
Nickel	310	10,000	mg/kg	**20.6**	**16.2**	**8.87**	**14.4**	**4.51**	**23.7**	**17.4**	**16.5**	**18.9**	**16.5**	**73.1**	**18.0**	**16.9**	**26.0**	**9.02**	**18.7**	**15.2**	**5.88**	**22.8**	**20.8**	**17.8**	**15.7**	**18.3**	**15.8**	**18.9**	**17.6**
Potassium			mg/kg	**558**	**563**	**1240**	**960**	**490**	**848**	**700**	**884**	**1080**	**981**	**364**	**811**	**879**	**806**	**577**	**852**	**967**	**439**	**1440**	**662**	**982**	**589**	**864**	**808**	**798**	**860**
Selenium	1,500	6,800	mg/kg	**0.314** J	<0.262 U	**0.738** J	**0.436**	<0.232 U	<0.599 U	<0.240 U	<0.251 U	<0.329 U	<0.228 U	**0.628** J	<0.253 U	<0.234 U	**0.571** J	**0.311** J	**0.616** J	<0.263 U	**0.365** J	<0.276 U	**0.327** J	<0.262 U	<0.323 U	<0.248 U	<0.226 U	**0.334** J	<0.243 U
Silver	1,500	6,800	mg/kg	<0.329 U	<0.288 U	<0.321 U	<0.274 U	<0.254 U	<0.657 U	<0.263 U	<0.275 U	<0.361 U	<0.251 U	<0.232 U	<0.277 U	<0.257 U	<0.294 U	<0.379 U	<0.288 U	**0.333**	<0.302 U	<0.319 U	<0.288 U	<0.354 U	<0.272 U	<0.248 U	<0.338 U	<0.267 U
Sodium			mg/kg	**41.2**	**54.7** J	**209** J	**105** J	**76.2** J	**37.6** J	**38.5** J	**76.7**	**71.2** J	**80.8** J	**58.8** J	**78.1** J	**108** J	**31.6** J	**51.2** J	**89.4** J	**81.9**	**104**	**659**	**53.6** J	**83.2** J	**32.1** J	**57.1** J	**70.5** J	**49.5** J	**74.2** J
Thallium			mg/kg	<0.366 U	<0.320 U	<0.358 U	<0.305 U	**0.283**	**0.732**	<0.293 U	<0.306 U	<0.402 U	<0.279 U	<0.360 U	<0.309 U	<0.286 U	<0.327 U	<0.306 U	<0.422 U	<0.321 U	<0.371 U	<0.336 U	<0.355 U	<0.320 U	<0.394 U	<0.302 U	<0.276 U	<0.376 U	<0.297 U
Vanadium			mg/kg	**17.0**	**17.5**	**12.0**	**14.3**	**8.38**	**26.2**	**17.3**	**18.9**	**24.4**	**20.7**	**9.09**	**16.9**	**19.4**	**9.36**	**8.18**	**26.0**	**20.4**	**8.64**	**19.5**	**22.4**	**22.7**	**18.6**	**21.7**	**18.1**	**43.3**	**20.4**
Zinc	10,000	10,000	mg/kg	**56.9**	**51.1**	**14.3**	**24.3**	**58.1**	**49.5**	**46.6**	**53.6**	**69.0**	**41.4**	**21.8**	**39.2**	**44.4**	**10.6**	**9.61**	**70.9**	**41.1**	**16.5**	**56.7**	**129**	**44.2**	**70.3**	**48.7**	**43.0**	**77.7**	**43.7**
Mercury (SW7471)																													
Mercury	2.8	5.7	mg/kg	**0.153**	**0.122**	**0.099** J	**0.084**	**0.067** J	**0.091**	**0.086**	**0.093**	**0.085** J	<0.055 U	**0.066** J	<0.053 U	<0.048 U	**0.080** J	**0.078** J	**0.133**	**0.081** J	**0.168**	**0.148**	**0.092** J	**0.071** J	**0.075** J	<0.053 U	<0.048 U	**0.076** J	<0.050 U
Cyanide (SW9012B)																													
Cyanide	27	10,000	mg/kg	**0.37** J	<0.26 U	<0.31 U	<0.25 U	<0.22 U	<0.25 U	<0.25 U	<0.24 U	<0.32 U	<0.23 U	<0.28 U	<0.26 U	<0.23 U	<0.28 U	<0.26 U	<0.36 U	<0.27 U	<0.29 U	<0.28 U	<0.30 U	<0.26 U	<0.32 U	<0.26 U	<0.23 U	**0.51** J	<0.24 U
PCBs (8082A)																													
PCB-1016 (Aroclor 1016)	1000	25000	ug/kg	<4.30 U	<3.84 U	<4.26 U	<3.46 U	<3.20 U	<3.52 U	<3.48 U	<3.50 U	<4.72 U	<3.38 U	<4.05 U	<3.62 U	<3.26 U	<3.95 U	<3.61 U	<4.90 U	<3.73 U	<4.30 U	<4.09 U	<4.10 U	<3.65 U	<4.48 U	<3.63 U	<3.23 U	<4.38 U	<3.50 U
PCB-1221 (Aroclor 1221)	1000	25000	ug/kg	<4.85 U	<4.33 U	<4.80 U	<3.91 U	<3.61 U	<3.97 U	<3.92 U	<3.96 U	<5.32 U	<3.82 U	<4.56 U	<4.09 U	<3.68 U	<4.46 U	<4.07 U	<5.53 U	<4.20 U	<4.85 U	<4.62 U	<4.63 U	<4.12 U	<5.06 U	<4.10 U	<3.64 U	<4.94 U	<3.95 U
PCB-1232 (Aroclor 1232)	1000	25000	ug/kg	<10.3 U	<9.16 U	<10.2 U	<8.27 U	<7.64 U	<8.41 U	<8.30 U	<8.37 U	<11.3 U	<8.07 U	<9.66 U	<8.65 U	<7.79 U	<9.43 U	<8.62 U	<11.7 U	<8.90 U	<10.3 U	<9.77 U	<9.80 U	<8.72 U	<10.7 U	<8.67 U	<7.71 U	<10.4 U	<8.35 U
PCB-1242 (Aroclor 1242)	1000	25000	ug/kg	<6.53 U	<5.82 U	<6.46 U	<5.26 U	<4.86 U	<5.35 U	<5.28 U	<5.32 U	<7.16 U	<5.13 U	<6.14 U	<5.50 U	<4.96 U	<6.00 U	<5.48 U	<7.44 U	<5.66 U	<6.53 U	<6.21 U	<6.23 U	<5.55 U	<6.80 U	<5.51 U	<4.90 U	<6.64 U	<5.31 U
PCB-1248 (Aroclor 1248)	1000	25000	ug/kg	<7.26 U	<6.48 U	<7.19 U	<5.85 U	<5.40 U	<5.95 U	<5.88 U	<5.92 U	<7.97 U	<5.71 U	<6.83 U	<6.12 U	<5.51 U	<6.67 U	<6.10 U	<8.28 U	<6.30 U	<7.26 U	<6.91 U	<6.93 U	<6.17 U	<7.57 U	<6.13 U	<5.45 U	<7.39 U	<5.91 U
PCB-1254 (Aroclor 1254)	1000	25000	ug/kg	<5.30 U	<4.73 U	<5.24 U	<4.27 U	<3.94 U	<4.34 U	<4.28 U	<4.32 U	<5.81 U	<4.17 U	<4.98 U	<4.46 U	<4.02 U	<4.87 U	<4.45 U	**10.3** J	<4.59 U	<5.30 U	<5.04 U	<5.06 U	<4.50 U	**18.8** JP	<4.47 U	<3.98 U	<5.39 U	<4.31 U
PCB-1260 (Aroclor 1260)	1000	25000	ug/kg	**57.3**	<7.98 U	<8.86 U	<7.21 U	<6.66 U	<7.33 U	<7.24 U	<7.30 U	<9.82 U	<7.04 U	<8.42 U	<7.54 U	<6.79 U	<8.22 U	<7.51 U	<10.2 U	<7.76 U	**53.0**	**27.5** J	<8.54 U	<7.60 U	<9.32 U	<7.55 U	**25.6** J	<9.10 U	<7.28 U
PCB-1262 (Aroclor 1262)	1000	25000	ug/kg	<6.15 U	<5.49 U	<6.09 U	<4.96 U	<4.58 U	<5.04 U	<4.97 U	<5.01 U	<6.75 U	<4.84 U	<5.79 U	<5.18 U	<4.67 U	<5.65 U	<5.16 U	<7.01 U	<5.33 U	<6.15 U	<5.85 U	<5.87 U	<5.22 U	<6.41 U	<5.19 U	<4.62 U	<6.26 U	<5.00 U
PCB-1268 (Aroclor 1268)	1000	25000	ug/kg	<5.02 U	<4.48 U	<4.96 U	<4.04 U	<3.73 U	<4.11 U	<4.06 U	<4.09 U	<5.50 U	<3.95 U	<4.72 U	<4.23 U	<3.81 U	<4.61 U	<4.21 U	<5.72 U	<4.35 U	<5.02 U	<4.77 U	<4.79 U	<4.26 U	<5.23 U	<4.24 U	<323 U	<5.10 U	<4.08 U
Ammonia																													
Nitrogen, Ammonia	-	-	mg/kg	**28**	**27**	**27**	**43**	**11**	**16**	**17**	**34**	**26**	**9.5**	**25**	**6.1** J	**3.9** J	**16**	**6.7** J	**6.5** J	**3.9** J	**6.4** J	**13**	**3.6** J	**7.2**	**3.8** J	**3.8** J	**2.7** J	**11**	**3.6** J
TCLP Semi-Volatile Organics																													
2-Methylphenol (o-Cresol)		7500	ug/l	NS	NS	<5.5 U	**10** J	NS	NS	NS	NS	<5.5 U	NS	NS	NS	<5.5 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol		400000	ug/l	NS	NS	<1.9 U	<1.9	NS	NS	NS	NS	<1.9 U	NS	NS	NS	<1.9 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trichlorophenol		2000	ug/l	NS	NS	<2.5 U	<2.5	NS	NS	NS	NS	<2.5 U	NS	NS	NS	<2.5 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrotoluene		130	ug/l	NS	NS	<1.9 U	<1.9	NS	NS	NS	NS	<1.9 U	NS	NS	NS	<1.9 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3-Methylphenol/4-Methylphenol (Cresols m&p)		20000	ug/l	NS	NS	<2.8 U	**12** J	NS	NS	NS	NS	<2.8 U	NS	NS	NS	**4.7** J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobenzene		130	ug/l	NS	NS	<3.4 U	<3.4 U	NS	NS	NS	NS	<3.4 U	NS	NS	NS	<3.4 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobutadiene		500	ug/l	NS	NS	<3.0 U	<3.0 U	NS	NS	NS	NS	<3.0 U	NS	NS	NS	<3.0 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachloroethane		3000	ug/l	NS	NS	<2.2 U	<2.2 U	NS	NS	NS	NS	<2.2 U	NS	NS	NS	<2.2 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nitrobenzene		2000	ug/l	NS	NS	<3.3 U	<3.3 U	NS	NS	NS	NS	<3.3 U	NS	NS	NS	**3.6** J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pentachlorophenol		100000	ug/l	NS	NS	<9.8 U	<9.8 U	NS	NS	NS	NS	<9.8 U	NS	NS	NS	<9.8 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyridine		5000	ug/l	NS	NS	<4.5 U	<4.5 U	NS	NS	NS	NS	<4.5 U	NS	NS	NS	<4.5 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TCLP Volatile Organics																													
1,1-Dichloroethene		500	ug/l	NS	NS	<1.7 U	<1.7 U	NS	NS	NS	NS	<1.7 U	NS	NS	NS	<1.7 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloroethane		100000	ug/l	NS	NS	<1.3 U	<1.3 U	NS	NS	NS	NS	<1.3 U	NS	NS	NS	<1.3 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone		700	ug/l	NS	NS	<19.0 U	<19.0 U	NS	NS	NS	NS	<19.0 U	NS	NS	NS	<19.0 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzene		500	ug/l	NS	NS	**130**	**4100**	NS	NS	NS	NS	<1.6 U	NS	NS	NS	**18**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon Tetrachloride		6000	ug/l	NS	NS	<1.3 U	<1.3 U	NS	NS	NS	NS	<1.3 U	NS	NS	NS	<1.3 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene		500	ug/l	NS	NS	<1.8 U	<1.8 U	NS	NS	NS	NS	<1.8 U	NS	NS	NS	<1.8 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform		200	ug/l	NS	NS	<2.2 U	<2.2 U	NS	NS	NS	NS	<2.2 U	NS	NS	NS	<2.2 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene		700	ug/l	NS	NS	<1.8 U	**3.6** J	NS	NS	NS	NS	<1.8 U	NS	NS	NS	<1.8 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene		200000	ug/l	NS	NS	<1.8 U	<1.8	NS	NS	NS	NS	<1.8 U	NS	NS	NS	<1.8 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vinyl chloride		500	ug/l	NS	NS	<0.71 U	<0.71	NS	NS	NS	NS	<0.71 U	NS	NS	NS	<0.71 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total Solids																													
Total Solids			%	**68**	**75.3**	**66.7**	**81.0**	**87.7**	**80.7**	**82.3**	**79.6**	**62.4**	**84.8**	**69.1**	**79.8**	**85.8**	**72.5**	**78.2**	**56.9**	**75.2**	**66.2**	**71.2**	**68.8**	**77.3**	**62.2**	**78.2**	**86.2**	**65.6**	**81.6**

Notes:
NS = Not Sampled
NA = Sample collected, but not analyzed
"<" = Analyzed for but detected at or above the quantitation limit
J = Analyte detected below quantitation limit
Bold = Analyte was detected
Green Highlight = Analyte concentration exceeds Commercial SCOs
Red Highlight = Analyte concentration exceeds Industrial SCOs
Yellow Highligh = Analyte concentratione exceeds TCLP standards

Table 13B
ST24 Bioremediation IRM
Pre-Amendment Sampling
Riverivew Innovation Technology Campus
Tonawanda, New York

ANALYTE	Sample ID:			BCPST24-24-01-05032023		BCPST24-24-02-05032023		BCPST24-24-03-05032023		BCPST24-60-01-05032023		BCPST24-60-02-05032023		BCPST24-60-03-05032023	
	Collection Date:			5/3/2023		5/3/2023		5/3/2023		5/3/2023		5/3/2023		5/3/2023	
	Bioremediation Test Pile:			Treatment Area 1 (24" Depth)		Treatment Area 1 (24" Depth)		Treatment Area 1 (24" Depth)		Treatment Area 2 (60" Depth)		Treatment Area 2 (60" Depth)		Treatment Area 2 (60" Depth)	
	EPA-TCLP	Part 375 SCOs Commercial	Part 375 SCOs Industrial	Pile 1, Control		Pile 2, Fertilizer		Pile 3, Klozure		Pile 1, Control		Pile 2, Fertilizer		Pile 3, Klozure	
	(mg/l)	(mg/kg)	(mg/kg)												
TCLP VOLATILES BY EPA 1311															
1,1-Dichloroethene	0.7			<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U
1,2-Dichloroethane	0.5			<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U
1,4-Dichlorobenzene	7.5			<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2-Butanone	200			<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U
Benzene	0.5			**0.12**		**0.055**		**0.12**		**0.024**		**0.046**		**0.0043**	J
Carbon tetrachloride	0.5			<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U
Chlorobenzene	100			<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U
Chloroform	6			<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U
Tetrachloroethene	0.7			<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U
Trichloroethene	0.5			<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U
Vinyl chloride	0.2			<0.00071	U	<0.00071	U	<0.00071	U	<0.00071	U	<0.00071	U	<0.00071	U
VOLATILE ORGANICS BY GC/MS															
1,1,1-Trichloroethane		500	1000	<0.012	U	<0.011	U	<0.015	U	<0.0096	U	<0.013	U	<0.0085	U
1,1,2,2-Tetrachloroethane				<0.011	U	<0.011	U	<0.015	U	<0.0095	U	<0.013	U	<0.0084	U
1,1,2-Trichloroethane				<0.018	U	<0.018	U	<0.023	U	<0.015	U	<0.02	U	<0.014	U
1,1-Dichloroethane		240	480	<0.01	U	<0.0098	U	<0.013	U	<0.0083	U	<0.011	U	<0.0074	U
1,1-Dichloroethene		500	1000	<0.016	U	<0.016	U	<0.021	U	<0.014	U	<0.018	U	<0.012	U
1,2,3-Trichlorobenzene				<0.022	U	<0.022	U	<0.028	U	<0.018	U	<0.024	U	<0.016	U
1,2,4-Trichlorobenzene				<0.019	U	<0.018	U	<0.024	U	<0.016	U	<0.021	U	<0.014	U
1,2-Dibromo-3-chloropropane				<0.069	U	<0.067	U	<0.088	U	<0.057	U	<0.076	U	<0.051	U
1,2-Dibromoethane				<0.019	U	<0.019	U	<0.024	U	<0.016	U	<0.021	U	<0.014	U
1,2-Dichlorobenzene		500	1000	<0.0099	U	<0.0097	U	<0.013	U	<0.0082	U	<0.011	U	<0.0073	U
1,2-Dichloroethane		30	60	<0.018	U	<0.017	U	<0.023	U	<0.015	U	<0.02	U	<0.013	U
1,2-Dichloropropane				<0.0086	U	<0.0084	U	<0.011	U	<0.0072	U	<0.0095	U	<0.0063	U
1,3-Dichlorobenzene		280	560	<0.01	U	<0.01	U	<0.013	U	<0.0085	U	<0.011	U	<0.0075	U
1,4-Dichlorobenzene		130	250	**0.027**	J	<0.012	U	**0.028**	J	<0.0098	U	**0.019**	J	<0.0087	U
1,4-Dioxane		130	250	<2.4	U	<2.4	U	<3.1	U	<2	U	<2.7	U	<1.8	U
2-Butanone		500	1000	<0.15	U	<0.15	U	<0.2	U	<0.13	U	<0.17	U	<0.11	U
2-Hexanone				<0.081	U	<0.08	U	<0.1	U	<0.068	U	<0.09	U	<0.06	U
4-Methyl-2-pentanone				<0.088	U	<0.086	U	<0.11	U	<0.073	U	<0.098	U	<0.065	U
Acetone		500	1000	<0.33	U	<0.32	U	<0.42	U	<0.28	U	<0.37	U	<0.24	U
Benzene		44	89	**4**		**2.8**		**17**		**1.6**		**0.78**		**0.26**	
Bromochloromethane				<0.014	U	<0.014	U	<0.018	U	<0.012	U	<0.016	U	<0.01	U
Bromodichloromethane				<0.0075	U	<0.0073	U	<0.0096	U	<0.0062	U	<0.0083	U	<0.0055	U
Bromoform				<0.017	U	<0.016	U	<0.022	U	<0.014	U	<0.019	U	<0.012	U
Bromomethane				<0.04	U	<0.039	U	<0.051	U	<0.033	U	<0.044	U	<0.03	U
Carbon disulfide				<0.31	U	<0.31	U	<0.4	U	<0.26	U	<0.35	U	<0.23	U
Carbon tetrachloride		22	44	<0.016	U	<0.015	U	<0.02	U	<0.013	U	<0.018	U	<0.012	U
Chlorobenzene		500	1000	<0.0088	U	<0.0086	U	<0.011	U	<0.0073	U	<0.0097	U	<0.0064	U
Chloroethane				<0.031	U	<0.03	U	<0.04	U	<0.026	U	<0.034	U	<0.023	U
Chloroform		350	700	<0.0096	U	<0.0094	U	<0.012	U	<0.008	U	<0.011	U	<0.0071	U
Chloromethane				<0.064	U	<0.063	U	<0.082	U	<0.053	U	<0.071	U	<0.047	U

Table 13B
ST24 Bioremediation IRM
Pre-Amendment Sampling
Riverivew Innovation Technology Campus
Tonawanda, New York

ANALYTE	Sample ID:			BCPST24-24-01-05032023		BCPST24-24-02-05032023		BCPST24-24-03-05032023		BCPST24-60-01-05032023		BCPST24-60-02-05032023		BCPST24-60-03-05032023	
	Collection Date:			5/3/2023		5/3/2023		5/3/2023		5/3/2023		5/3/2023		5/3/2023	
	Bioremediation Test Pile:			Treatment Area 1 (24" Depth)		Treatment Area 1 (24" Depth)		Treatment Area 1 (24" Depth)		Treatment Area 2 (60" Depth)		Treatment Area 2 (60" Depth)		Treatment Area 2 (60" Depth)	
	EPA-TCLP	Part 375 SCOs Commercial	Part 375 SCOs Industrial	Pile 1, Control		Pile 2, Fertilizer		Pile 3, Klozure		Pile 1, Control		Pile 2, Fertilizer		Pile 3, Klozure	
	(mg/l)	(mg/kg)	(mg/kg)												
cis-1,2-Dichloroethene		500	1000	<0.012	U	<0.012	U	<0.015	U	<0.01	U	<0.013	U	<0.0089	U
cis-1,3-Dichloropropene				<0.011	U	<0.011	U	<0.014	U	<0.009	U	<0.012	U	<0.008	U
Cyclohexane				**0.1**	J	**0.25**	J	**0.068**	J	<0.031	U	<0.041	U	<0.028	U
Dibromochloromethane				<0.0096	U	<0.0094	U	<0.012	U	<0.008	U	<0.011	U	<0.0071	U
Dichlorodifluoromethane				<0.063	U	<0.062	U	<0.08	U	<0.052	U	<0.07	U	<0.046	U
Ethylbenzene		390	780	**0.7**		**1.1**		**1.3**		**0.25**		**0.15**		**0.12**	
Freon-113				<0.048	U	<0.047	U	<0.061	U	<0.04	U	<0.053	U	<0.035	U
Isopropylbenzene				**0.0076**	J	**0.014**	J	**0.015**	J	<0.0062	U	<0.0083	U	<0.0055	U
Methyl Acetate				**0.12**	J	**0.099**	J	**0.26**	J	<0.054	U	**0.11**	J	<0.048	U
Methyl cyclohexane				**0.16**	J	**0.27**		**0.14**	J	<0.034	U	<0.046	U	<0.031	U
Methyl tert butyl ether		500	1000	<0.014	U	<0.014	U	<0.018	U	<0.011	U	<0.015	U	<0.01	U
Methylene chloride		500	1000	<0.16	U	<0.15	U	<0.2	U	<0.13	U	<0.17	U	<0.12	U
o-Xylene				**1.3**		**0.95**		**2.3**		**0.37**		**0.3**		**0.2**	
p/m-Xylene				**4.3**		**3.4**		**6.3**		**1.1**		**0.75**		**0.66**	
Styrene				**0.56**		**0.85**		**0.78**		**0.53**		**0.21**		**0.23**	
Tetrachloroethene		150	300	**0.074**		**0.037**		**0.23**		<0.011	U	<0.015	U	<0.01	U
Toluene		500	1000	**7.9**		**5.5**		**12**		**4.2**		**1.1**		**1.3**	
trans-1,2-Dichloroethene		500	1000	<0.0094	U	<0.0092	U	<0.012	U	<0.0078	U	<0.01	U	<0.007	U
trans-1,3-Dichloropropene				<0.019	U	<0.018	U	<0.024	U	<0.016	U	<0.021	U	<0.014	U
Trichloroethene		200	400	<0.0094	U	<0.0092	U	<0.012	U	<0.0078	U	<0.01	U	<0.007	U
Trichlorofluoromethane				<0.048	U	<0.047	U	<0.061	U	<0.04	U	<0.053	U	<0.035	U
Vinyl chloride		13	27	<0.023	U	<0.022	U	<0.029	U	<0.019	U	<0.026	U	<0.017	U
Total VOCs				**19.2486**	-	**15.27**	-	**40.421**	-	**8.05**	-	**3.419**	-	**2.77**	-
SEMIVOLATILE ORGANICS BY GC/MS															
1,2,4,5-Tetrachlorobenzene				<0.021	U	<0.021	U	<0.022	U	<0.02	U	<0.02	U	<0.02	U
2,3,4,6-Tetrachlorophenol				<0.041	U	<0.04	U	<0.042	U	<0.039	U	<0.039	U	<0.039	U
2,4,5-Trichlorophenol				<0.039	U	<0.038	U	<0.04	U	<0.037	U	<0.037	U	<0.037	U
2,4,6-Trichlorophenol				<0.039	U	<0.038	U	<0.04	U	<0.036	U	<0.037	U	<0.036	U
2,4-Dichlorophenol				<0.033	U	<0.032	U	<0.034	U	<0.031	U	<0.031	U	<0.031	U
2,4-Dimethylphenol				<0.068	U	<0.066	U	<0.069	U	<0.063	U	<0.064	U	<0.064	U
2,4-Dinitrophenol				<0.096	U	<0.093	U	<0.098	U	<0.089	U	<0.09	U	<0.09	U
2,4-Dinitrotoluene				<0.041	U	<0.04	U	<0.042	U	<0.038	U	<0.039	U	<0.038	U
2,6-Dinitrotoluene				<0.035	U	<0.034	U	<0.036	U	<0.033	U	<0.033	U	<0.033	U
2-Chloronaphthalene				<0.02	U	<0.02	U	<0.021	U	<0.019	U	<0.019	U	<0.019	U
2-Chlorophenol				<0.024	U	<0.023	U	<0.025	U	<0.023	U	<0.023	U	<0.023	U
2-Methylnaphthalene				**0.053**	J	**0.034**	J	**0.095**	J	<0.023	U	<0.023	U	<0.023	U
2-Methylphenol		500	1000	**0.099**	J	**0.081**	J	**0.057**	J	**0.05**	J	<0.03	U	<0.03	U
2-Nitroaniline				<0.04	U	<0.038	U	<0.04	U	<0.037	U	<0.037	U	<0.037	U
2-Nitrophenol				<0.077	U	<0.075	U	<0.079	U	<0.072	U	<0.073	U	<0.072	U
3,3'-Dichlorobenzidine				<0.054	U	<0.053	U	<0.056	U	<0.051	U	<0.052	U	<0.051	U
3-Methylphenol/4-Methylphenol		500	1000	**0.089**	J	**0.045**	J	**0.073**	J	**0.076**	J	<0.03	U	<0.03	U
3-Nitroaniline				<0.039	U	<0.037	U	<0.04	U	<0.036	U	<0.037	U	<0.036	U
4,6-Dinitro-o-cresol				<0.098	U	<0.095	U	<0.1	U	<0.092	U	<0.093	U	<0.092	U

Table 13B
ST24 Bioremediation IRM
Pre-Amendment Sampling
Riverivew Innovation Technology Campus
Tonawanda, New York

ANALYTE	Sample ID:			BCPST24-24-01-05032023		BCPST24-24-02-05032023		BCPST24-24-03-05032023		BCPST24-60-01-05032023		BCPST24-60-02-05032023		BCPST24-60-03-05032023	
	Collection Date:			5/3/2023		5/3/2023		5/3/2023		5/3/2023		5/3/2023		5/3/2023	
	Bioremediation Test Pile:			Treatment Area 1 (24" Depth)		Treatment Area 1 (24" Depth)		Treatment Area 1 (24" Depth)		Treatment Area 2 (60" Depth)		Treatment Area 2 (60" Depth)		Treatment Area 2 (60" Depth)	
	EPA-TCLP	Part 375 SCOs Commercial	Part 375 SCOs Industrial	Pile 1, Control		Pile 2, Fertilizer		Pile 3, Klozure		Pile 1, Control		Pile 2, Fertilizer		Pile 3, Klozure	
	(mg/l)	(mg/kg)	(mg/kg)												
4-Bromophenyl phenyl ether				<0.031	U	<0.03	U	<0.032	U	<0.029	U	<0.03	U	<0.029	U
4-Chloroaniline				<0.037	U	<0.036	U	<0.038	U	<0.035	U	<0.035	U	<0.035	U
4-Chlorophenyl phenyl ether				<0.022	U	<0.021	U	<0.022	U	<0.02	U	<0.021	U	<0.021	U
4-Nitroaniline				<0.085	U	<0.082	U	<0.087	U	<0.079	U	<0.08	U	<0.08	U
4-Nitrophenol				<0.084	U	<0.081	U	<0.086	U	<0.078	U	<0.079	U	<0.078	U
Acenaphthene		500	1000	**0.022**	J	**0.022**	J	**0.042**	J	<0.02	U	<0.02	U	<0.02	U
Acenaphthylene		500	1000	<0.032	U	**0.044**	J	**0.1**	J	<0.03	U	<0.03	U	**0.034**	J
Acetophenone				<0.025	U	<0.025	U	0.06	J	<0.024	U	<0.024	U	<0.024	U
Anthracene		500	1000	<0.04	U	**0.084**	J	**0.11**	J	<0.037	U	<0.038	U	0.056	J
Atrazine				<0.072	U	<0.07	U	<0.074	U	<0.067	U	<0.068	U	<0.067	U
Benzaldehyde				<0.055	U	<0.054	U	<0.057	U	<0.052	U	<0.052	U	<0.052	U
Benzo(a)anthracene		5.6	11	**0.1**	J	**0.19**		**0.43**		**0.058**	J	**0.024**	J	**0.1**	J
Benzo(a)pyrene		1	1.1	**0.13**	J	**0.19**		**0.54**		**0.066**	J	<0.047	U	**0.083**	J
Benzo(b)fluoranthene		5.6	11	**0.17**		**0.24**		**0.65**		**0.082**	J	**0.034**	J	**0.1**	J
Benzo(ghi)perylene		500	1000	**0.087**	J	**0.12**	J	**0.36**		**0.047**	J	<0.023	U	**0.05**	J
Benzo(k)fluoranthene		56	110	**0.042**	J	**0.073**	J	**0.23**		<0.031	U	<0.031	U	**0.036**	J
Biphenyl				<0.027	U	<0.026	U	**0.029**	J	<0.025	U	<0.025	U	<0.025	U
Bis(2-chloroethoxy)methane				<0.02	U	<0.02	U	<0.021	U	<0.019	U	<0.019	U	<0.019	U
Bis(2-chloroethyl)ether				<0.028	U	<0.027	U	<0.028	U	<0.026	U	<0.026	U	<0.026	U
Bis(2-chloroisopropyl)ether				<0.035	U	<0.034	U	<0.036	U	<0.033	U	<0.033	U	<0.033	U
Bis(2-ethylhexyl)phthalate				<0.071	U	<0.069	U	<0.073	U	<0.066	U	<0.067	U	<0.067	U
Butyl benzyl phthalate				<0.052	U	<0.05	U	<0.053	U	<0.048	U	<0.049	U	<0.048	U
Caprolactam				<0.062	U	<0.06	U	<0.064	U	<0.058	U	<0.059	U	<0.058	U
Carbazole				**0.026**	J	**0.093**	J	**0.073**	J	<0.019	U	<0.019	U	0.052	J
Chrysene		56	110	**0.11**	J	**0.18**		**0.45**		**0.057**	J	**0.024**	J	**0.1**	J
Di-n-butylphthalate				<0.039	U	<0.038	U	<0.04	U	<0.036	U	<0.037	U	<0.036	U
Di-n-octylphthalate				<0.07	U	<0.068	U	<0.071	U	<0.065	U	<0.066	U	<0.065	U
Dibenzo(a,h)anthracene		0.56	1.1	<0.024	U	**0.026**	J	**0.075**	J	<0.022	U	<0.022	U	<0.022	U
Dibenzofuran		350	1000	**0.025**	J	**0.059**	J	**0.064**	J	<0.018	U	<0.018	U	**0.02**	J
Diethyl phthalate				<0.019	U	<0.018	U	<0.019	U	<0.018	U	<0.018	U	<0.018	U
Dimethyl phthalate				<0.043	U	<0.042	U	<0.044	U	<0.04	U	<0.041	U	<0.04	U
Fluoranthene		500	1000	**0.18**		**0.44**		**0.86**		**0.1**	J	**0.037**	J	**0.2**	
Fluorene		500	1000	**0.03**	J	**0.082**	J	**0.08**	J	<0.019	U	<0.019	U	**0.036**	J
Hexachlorobenzene		6	12	<0.023	U	<0.022	U	<0.024	U	<0.021	U	<0.022	U	<0.022	U
Hexachlorobutadiene				<0.03	U	<0.029	U	<0.031	U	<0.028	U	<0.028	U	<0.028	U
Hexachlorocyclopentadiene				<0.18	U	<0.18	U	<0.19	U	<0.17	U	<0.18	U	<0.17	U
Hexachloroethane				<0.033	U	<0.032	U	<0.034	U	<0.031	U	<0.031	U	<0.031	U
Indeno(1,2,3-cd)pyrene		5.6	11	**0.096**	J	**0.13**	J	**0.41**		**0.05**	J	<0.027	U	**0.055**	J
Isophorone				<0.027	U	<0.026	U	<0.027	U	<0.025	U	<0.025	U	<0.025	U
n-Nitrosodi-n-propylamine				<0.032	U	<0.031	U	<0.032	U	<0.03	U	<0.03	U	<0.03	U
Naphthalene		500	1000	**0.21**		**0.14**	J	**0.22**		**0.052**	J	**0.025**	J	**0.05**	J
NDPA/DPA				<0.023	U	<0.023	U	<0.024	U	<0.022	U	<0.022	U	<0.022	U
Nitrobenzene				<0.03	U	<0.029	U	<0.031	U	<0.028	U	<0.029	U	<0.028	U
p-Chloro-m-cresol				<0.03	U	<0.03	U	<0.031	U	<0.028	U	<0.029	U	<0.029	U

Table 13B
ST24 Bioremediation IRM
Pre-Amendment Sampling
Riverivew Innovation Technology Campus
Tonawanda, New York

ANALYTE			Sample ID:	BCPST24-24-01-05032023		BCPST24-24-02-05032023		BCPST24-24-03-05032023		BCPST24-60-01-05032023		BCPST24-60-02-05032023		BCPST24-60-03-05032023	
			Collection Date:	5/3/2023		5/3/2023		5/3/2023		5/3/2023		5/3/2023		5/3/2023	
			Bioremediation Test Pile:	Treatment Area 1 (24" Depth)		Treatment Area 1 (24" Depth)		Treatment Area 1 (24" Depth)		Treatment Area 2 (60" Depth)		Treatment Area 2 (60" Depth)		Treatment Area 2 (60" Depth)	
	EPA-TCLP	Part 375 SCOs Commercial	Part 375 SCOs Industrial	Pile 1, Control		Pile 2, Fertilizer		Pile 3, Klozure		Pile 1, Control		Pile 2, Fertilizer		Pile 3, Klozure	
	(mg/l)	(mg/kg)	(mg/kg)												
Pentachlorophenol		6.7	55	<0.045	U	<0.044	U	<0.046	U	<0.042	U	<0.043	U	<0.042	U
Phenanthrene		500	1000	**0.13**		**0.39**		**0.53**		**0.061**	J	**0.024**	J	**0.2**	
Phenol		500	1000	**0.37**		**0.064**	J	**0.11**	J	**0.43**		**0.04**	J	**0.048**	J
Pyrene		500	1000	**0.15**		**0.33**		**0.68**		**0.081**	J	**0.034**	J	**0.15**	
Total SVOCs				**2.119**	-	**3.057**	-	**6.328**	-	**1.21**	-	**0.242**	-	**1.37**	-
GENERAL CHEMISTRY															
Moisture				**27.1**		**16.4**		**24.3**		**14.9**		**15.5**		**15.2**	
Organic Matter, Total				**5.7**		**1.8**		**5.1**		**1.3**		**1.9**		**1.5**	
Salinity				<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Solids, Ash				**94**		**98**		**95**		**99**		**98**		**99**	
Solids, Total				**79.4**		**81.6**		**77.6**		**86.5**		**84.6**		**85.2**	

* Comparison is not performed on parameters with non-numeric criteria.

EPA-TCLP: EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria per 40CFR Part 261 as of September 10, 2015.
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.

Notes:
NS = Not Sampled
NA = Sample collected, but not analyzed
"<" = Analyzed for but detected at or above the quantitation limit
J = Analyte detected below quantitation limit
Bold = Analyte was detected
Green Highlight = Analyte concentration exceeds Commercial SCOs
Red Highlight = Analyte concentration exceeds Industrial SCOs
Yellow Highlight = Analyte concentration exceeds TCLP standards

Table 14B
ST24 Bioremediation IRM
3-Month Inspection Sampling
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE	SAMPLE ID:		ST24-24-01A-08152023		ST24-24-01B-08152023		ST24-24-01C-08152023		ST24-24-02A-08152023		ST24-24-02B-08152023		ST24-24-02C-08152023		ST24-24-03A-08152023		ST24-24-03B-08152023		ST24-24-03C-08152023	
	LAB ID:		L2347215-10		L2347215-11		L2347215-12		L2347215-13		L2347215-14		L2347215-15		L2347215-16		L2347215-17		L2347215-18	
	COLLECTION DATE:		8/15/2023		8/15/2023		8/15/2023		8/15/2023		8/15/2023		8/15/2023		8/15/2023		8/15/2023		8/15/2023	
	SAMPLE LOCATION:		24" Cut, Pile 1, South Side		24" Cut, Pile 1, East Side		24" Cut, Pile 1, North Side		24" Cut, Pile 2, South Side		24" Cut, Pile 2, East Side		24" Cut, Pile 2, North Side		24" Cut, Pile 3, South Side		24" Cut, Pile 3, East Side		24" Cut, Pile 3, North Side	
	SAMPLE MATRIX:		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Part 375 SCOs Commercial (mg/kg)	Part 375 SCOs Industrial (mg/kg)	Treatment Area 1 (24" Depth) Pile 1 - Control						Treatment Area 1 (24" Depth) Pile 2 - Fertilizer						Treatment Area 1 (24" Depth) Pile 3 - Klozure					
VOLATILE ORGANICS BY GC/MS																				
1,1,1-Trichloroethane	500	1000	<0.011	U	<0.012	U	<0.012	U	<0.00017	U	<0.00022	U	<0.012	U	<0.00021	U	<0.0002	U	<0.00022	U
1,1,2,2-Tetrachloroethane			<0.011	U	<0.012	U	<0.012	U	<0.00016	U	<0.00021	U	<0.012	U	<0.00021	U	<0.0002	U	<0.00022	U
1,1,2-Trichloroethane			<0.018	U	<0.019	U	<0.02	U	<0.00027	U	<0.00034	U	<0.02	U	<0.00034	U	<0.00033	U	<0.00036	U
1,1-Dichloroethane	240	480	<0.0097	U	<0.01	U	<0.011	U	<0.00014	U	<0.00019	U	<0.011	U	<0.00018	U	<0.00018	U	<0.00019	U
1,1-Dichloroethene	500	1000	<0.016	U	<0.017	U	<0.018	U	<0.00024	U	<0.00031	U	<0.018	U	<0.0003	U	<0.00029	U	<0.00032	U
1,2,3-Trichlorobenzene			<0.022	U	<0.023	U	<0.024	U	<0.00032	U	<0.00042	U	<0.024	U	<0.00041	U	<0.00039	U	<0.00043	U
1,2,4-Trichlorobenzene			<0.018	U	<0.019	U	<0.02	U	<0.00027	U	<0.00035	U	<0.02	U	<0.00034	U	<0.00033	U	<0.00036	U
1,2-Dibromo-3-chloropropane			<0.067	U	<0.07	U	<0.073	U	<0.001	U	<0.0013	U	<0.074	U	<0.0012	U	<0.0012	U	<0.0013	U
1,2-Dibromoethane			<0.019	U	<0.02	U	<0.02	U	<0.00028	U	<0.00036	U	<0.021	U	<0.00035	U	<0.00034	U	<0.00037	U
1,2-Dichlorobenzene	500	1000	<0.0097	U	<0.01	U	<0.01	U	<0.00014	U	<0.00019	U	<0.011	U	<0.00018	U	<0.00018	U	<0.00019	U
1,2-Dichloroethane	30	60	<0.017	U	<0.018	U	<0.019	U	<0.00026	U	<0.00033	U	<0.019	U	<0.00032	U	<0.00031	U	<0.00034	U
1,2-Dichloropropane			<0.0084	U	<0.0088	U	<0.0092	U	<0.00012	U	<0.00016	U	<0.0093	U	<0.00016	U	<0.00015	U	<0.00017	U
1,3-Dichlorobenzene	280	560	<0.0099	U	<0.01	U	<0.011	U	<0.00015	U	<0.00019	U	<0.011	U	<0.00019	U	<0.00018	U	<0.0002	U
1,4-Dichlorobenzene	130	250	**0.013**	J	**0.026**	J	<0.012	U	<0.00017	U	<0.00022	U	<0.013	U	<0.00022	U	<0.00021	U	**0.00027**	J
1,4-Dioxane	130	250	<2.4	U	<2.5	U	<2.6	U	<0.035	U	<0.045	U	<2.6	U	<0.044	U	<0.043	U	<0.047	U
2-Butanone	500	1000	<0.15	U	<0.16	U	<0.16	U	<0.0022	U	<0.0029	U	<0.16	U	<0.0028	U	<0.0027	U	<0.003	U
2-Hexanone			<0.079	U	<0.083	U	<0.087	U	<0.0012	U	<0.0015	U	<0.088	U	<0.0015	U	<0.0014	U	<0.0016	U
4-Methyl-2-pentanone			<0.086	U	<0.09	U	<0.094	U	<0.0013	U	<0.0016	U	<0.095	U	<0.0016	U	<0.0016	U	<0.0017	U
Acetone	500	1000	<0.32	U	**0.55**	J	<0.35	U	<0.0048	U	<0.0062	U	<0.36	U	<0.0061	U	<0.0059	U	<0.0065	U
Benzene	44	89	**4.2**		**8**		**13**		**0.75**		**0.91**		**1.5**		**0.012**		**0.94**		**0.009**	
Bromochloromethane			<0.014	U	<0.014	U	<0.015	U	<0.0002	U	<0.00026	U	<0.015	U	<0.00026	U	<0.00025	U	<0.00028	U
Bromodichloromethane			<0.0073	U	<0.0077	U	<0.008	U	<0.00011	U	<0.00014	U	<0.0081	U	<0.00014	U	<0.00013	U	<0.00015	U
Bromoform			<0.016	U	<0.017	U	<0.018	U	<0.00024	U	<0.00032	U	<0.018	U	<0.00031	U	<0.0003	U	<0.00033	U
Bromomethane			<0.039	U	<0.041	U	<0.043	U	<0.00058	U	<0.00075	U	**0.087**	J	<0.00073	U	<0.00071	U	<0.00078	U
Carbon disulfide			<0.3	U	<0.32	U	<0.33	U	<0.0045	U	<0.0059	U	<0.34	U	<0.0057	U	<0.0056	U	<0.0061	U
Carbon tetrachloride	22	44	<0.015	U	<0.016	U	<0.017	U	<0.00023	U	<0.0003	U	<0.017	U	<0.00029	U	<0.00028	U	<0.00031	U
Chlorobenzene	500	1000	<0.0085	U	<0.0089	U	<0.0093	U	<0.00013	U	<0.00016	U	<0.0094	U	<0.00016	U	<0.00016	U	<0.00017	U
Chloroethane			<0.03	U	<0.032	U	<0.033	U	<0.00045	U	<0.00058	U	<0.034	U	<0.00057	U	<0.00055	U	<0.00061	U
Chloroform	350	700	<0.0094	U	<0.0098	U	<0.01	U	<0.00014	U	<0.00018	U	<0.01	U	<0.00018	U	<0.00017	U	<0.00019	U
Chloromethane			<0.062	U	<0.066	U	<0.068	U	<0.00093	U	<0.0012	U	<0.069	U	<0.0012	U	<0.0011	U	<0.0012	U
cis-1,2-Dichloroethene	500	1000	<0.012	U	<0.012	U	<0.013	U	<0.00017	U	<0.00023	U	<0.013	U	<0.00022	U	<0.00021	U	<0.00024	U
cis-1,3-Dichloropropene			<0.011	U	<0.011	U	<0.012	U	<0.00016	U	<0.0002	U	<0.012	U	<0.0002	U	<0.00019	U	<0.00021	U
Cyclohexane			<0.036	U	**0.15**	J	**0.065**	J	<0.00054	U	<0.0007	U	<0.04	U	<0.00069	U	<0.00066	U	<0.00073	U
Dibromochloromethane			<0.0094	U	<0.0098	U	<0.01	U	<0.00014	U	<0.00018	U	<0.01	U	<0.00018	U	<0.00017	U	<0.00019	U
Dichlorodifluoromethane			<0.061	U	<0.064	U	<0.067	U	<0.00091	U	<0.0012	U	<0.068	U	<0.0012	U	<0.0011	U	<0.0012	U
Ethylbenzene	390	780	**0.61**		**1.8**		**0.61**		**0.15**		**0.25**		**0.32**		**0.0013**		**0.21**		**0.0036**	
Freon-113			<0.046	U	<0.049	U	<0.051	U	<0.00069	U	<0.0009	U	<0.052	U	<0.00087	U	<0.00085	U	<0.00093	U
Isopropylbenzene			**0.0083**	J	**0.017**	J	<0.008	U	<0.00011	U	<0.00014	U	<0.0081	U	<0.00014	U	<0.00013	U	<0.00015	U
Methyl Acetate			**0.37**		**3**		**0.68**		**0.21**	J	**0.16**	J	<0.071	U	<0.0012	U	**0.34**		<0.0013	U
Methyl cyclohexane			**0.1**	J	**0.22**	J	**0.1**	J	<0.0006	U	**0.073**	J	**0.058**	J	<0.00076	U	<0.043	U	**0.0015**	J
Methyl tert butyl ether	500	1000	<0.013	U	<0.014	U	<0.015	U	<0.0002	U	<0.00026	U	<0.015	U	<0.00025	U	<0.00025	U	<0.00027	U
Methylene chloride	500	1000	<0.15	U	<0.16	U	<0.17	U	<0.0023	U	<0.003	U	<0.17	U	<0.0029	U	<0.0028	U	<0.0031	U
o-Xylene			**0.96**		**3.1**		**0.65**		**0.12**		**0.21**		**0.25**		**0.0011**	J	**0.2**		**0.0044**	
p/m-Xylene			**2.9**		**9.4**		**2.2**		**0.46**		**0.83**		**0.91**		**0.0039**		**0.83**		**0.012**	
Styrene			**0.33**		**2.2**		**0.55**		**0.077**		**0.093**		**0.2**		**0.00065**	J	**0.081**		**0.00098**	J
Tetrachloroethene	150	300	**0.069**		**0.17**		**0.054**		**0.026**	J	**0.032**	J	**0.025**	J	**0.00081**		**0.031**	J	**0.00098**	
Toluene	500	1000	**3**		**8.5**		**10**		**0.57**		**0.82**		**5.8**		**0.01**		**1.2**		**0.013**	
trans-1,2-Dichloroethene	500	1000	<0.0092	U	<0.0096	U	<0.01	U	<0.00014	U	<0.00018	U	<0.01	U	<0.00017	U	<0.00017	U	<0.00018	U
trans-1,3-Dichloropropene			<0.018	U	<0.019	U	<0.02	U	<0.00027	U	<0.00035	U	<0.02	U	<0.00034	U	<0.00033	U	<0.00037	U
Trichloroethene	200	400	<0.0092	U	<0.0096	U	<0.01	U	<0.00014	U	<0.00018	U	<0.01	U	<0.00017	U	<0.00017	U	<0.00018	U
Trichlorofluoromethane			<0.047	U	<0.049	U	<0.051	U	<0.00069	U	<0.0009	U	<0.052	U	<0.00088	U	<0.00085	U	<0.00093	U
Vinyl chloride	13	27	<0.022	U	<0.024	U	<0.025	U	<0.00033	U	<0.00043	U	<0.025	U	<0.00042	U	<0.00041	U	<0.00045	U

Table 14B
ST24 Bioremediation IRM
3-Month Inspection Sampling
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE		SAMPLE ID:	ST24-24-01A-08152023		ST24-24-01B-08152023		ST24-24-01C-08152023		ST24-24-02A-08152023		ST24-24-02B-08152023		ST24-24-02C-08152023		ST24-24-03A-08152023		ST24-24-03B-08152023		ST24-24-03C-08152023	
		LAB ID:	L2347215-10		L2347215-11		L2347215-12		L2347215-13		L2347215-14		L2347215-15		L2347215-16		L2347215-17		L2347215-18	
		COLLECTION DATE:	8/15/2023		8/15/2023		8/15/2023		8/15/2023		8/15/2023		8/15/2023		8/15/2023		8/15/2023		8/15/2023	
		SAMPLE LOCATION:	24" Cut, Pile 1, South Side		24" Cut, Pile 1, East Side		24" Cut, Pile 1, North Side		24" Cut, Pile 2, South Side		24" Cut, Pile 2, East Side		24" Cut, Pile 2, North Side		24" Cut, Pile 3, South Side		24" Cut, Pile 3, East Side		24" Cut, Pile 3, North Side	
		SAMPLE MATRIX:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Part 375 SCOs Commercial (mg/kg)	Part 375 SCOs Industrial (mg/kg)	Treatment Area 1 (24" Depth) Pile 1 - Control						Treatment Area 1 (24" Depth) Pile 2 - Fertilizer						Treatment Area 1 (24" Depth) Pile 3 - Klozure					
SEMIVOLATILE ORGANICS BY GC/MS																				
1,2,4,5-Tetrachlorobenzene			<0.023	U	<0.022	U	<0.022	U	<0.023	U	<0.022	U	<0.022	U	<0.022	U	<0.022	U	<0.023	U
2,3,4,6-Tetrachlorophenol			<0.044	U	<0.042	U	<0.044	U	<0.044	U	<0.044	U	<0.043	U	<0.043	U	<0.042	U	<0.044	U
2,4,5-Trichlorophenol			<0.042	U	<0.04	U	<0.041	U	<0.042	U	<0.041	U	<0.041	U	<0.04	U	<0.04	U	<0.042	U
2,4,6-Trichlorophenol			<0.042	U	<0.04	U	<0.041	U	<0.042	U	<0.041	U	<0.04	U	<0.04	U	<0.04	U	<0.042	U
2,4-Dichlorophenol			<0.035	U	<0.034	U	<0.035	U	<0.035	U	<0.035	U	<0.034	U	<0.034	U	<0.034	U	<0.035	U
2,4-Dimethylphenol			<0.073	U	<0.069	U	<0.071	U	<0.072	U	<0.071	U	<0.07	U	<0.07	U	<0.069	U	<0.072	U
2,4-Dinitrophenol			<0.1	U	<0.097	U	<0.1	U	<0.1	U	<0.1	U	<0.099	U	<0.099	U	<0.097	U	<0.1	U
2,4-Dinitrotoluene			<0.044	U	<0.042	U	<0.043	U	<0.044	U	<0.043	U	<0.042	U	<0.042	U	<0.042	U	<0.044	U
2,6-Dinitrotoluene			<0.038	U	<0.036	U	<0.037	U	<0.038	U	<0.037	U	<0.036	U	<0.036	U	<0.036	U	<0.038	U
2-Chloronaphthalene			<0.022	U	<0.021	U	<0.021	U	<0.022	U	<0.021	U	<0.021	U	<0.021	U	<0.021	U	<0.022	U
2-Chlorophenol			<0.026	U	<0.025	U	<0.026	U	<0.026	U	<0.026	U	<0.025	U	<0.025	U	<0.025	U	<0.026	U
2-Methylnaphthalene			<0.027	U	**0.043**	J	<0.026	U	**0.029**	J	<0.026	U	**0.037**	J	<0.026	U	**0.055**	J	<0.026	U
2-Methylphenol	500	1000	<0.034	U	**0.041**	J	<0.033	U	<0.034	U	<0.033	U	<0.033	U	<0.033	U	<0.032	U	<0.034	U
2-Nitroaniline			<0.042	U	<0.04	U	<0.042	U	<0.042	U	<0.042	U	<0.041	U	<0.041	U	<0.04	U	<0.042	U
2-Nitrophenol			<0.083	U	<0.078	U	<0.081	U	<0.082	U	<0.081	U	<0.08	U	<0.08	U	<0.078	U	<0.082	U
3,3'-Dichlorobenzidine			<0.058	U	<0.055	U	<0.057	U	<0.058	U	<0.057	U	<0.056	U	<0.056	U	<0.055	U	<0.058	U
3-Methylphenol/4-Methylphenol	500	1000	<0.034	U	**0.033**	J	<0.034	U	<0.034	U	<0.034	U	<0.033	U	<0.033	U	**0.043**	J	<0.034	U
3-Nitroaniline			<0.042	U	<0.039	U	<0.041	U	<0.041	U	<0.041	U	<0.04	U	<0.04	U	<0.039	U	<0.041	U
4,6-Dinitro-o-cresol			<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U
4-Bromophenyl phenyl ether			<0.034	U	<0.032	U	<0.033	U	<0.033	U	<0.033	U	<0.032	U	<0.032	U	<0.032	U	<0.033	U
4-Chloroaniline			<0.04	U	<0.038	U	<0.039	U	<0.04	U	<0.039	U	<0.039	U	<0.038	U	<0.038	U	<0.04	U
4-Chlorophenyl phenyl ether			<0.024	U	<0.022	U	<0.023	U	<0.023	U	<0.023	U	<0.023	U	<0.023	U	<0.022	U	<0.023	U
4-Nitroaniline			<0.091	U	<0.086	U	<0.089	U	<0.091	U	<0.089	U	<0.088	U	<0.088	U	<0.086	U	<0.091	U
4-Nitrophenol			<0.09	U	<0.085	U	<0.088	U	<0.089	U	<0.088	U	<0.087	U	<0.086	U	<0.085	U	<0.09	U
Acenaphthene	500	1000	**0.03**	J	**0.028**	J	**0.024**	J	**0.038**	J	**0.022**	J	**0.033**	J	<0.022	U	**0.024**	J	<0.023	U
Acenaphthylene	500	1000	**0.078**	J	**0.059**	J	<0.033	U	**0.037**	J	**0.041**	J	**0.041**	J	<0.033	U	**0.07**	J	0.036	J
Acetophenone			<0.027	U	**0.03**	J	<0.027	U	<0.027	U	<0.027	U	**0.027**	J	<0.026	U	**0.069**	J	<0.027	U
Anthracene	500	1000	0.1	J	**0.067**	J	<0.042	U	**0.067**	J	<0.042	U	**0.064**	J	<0.041	U	**0.19**		<0.043	U
Atrazine			<0.077	U	<0.073	U	<0.076	U	<0.077	U	<0.076	U	<0.074	U	<0.074	U	<0.073	U	<0.077	U
Benzaldehyde			<0.059	U	**0.1**	J	**0.058**	J	<0.059	U	<0.058	U	<0.057	U	<0.057	U	**0.17**	J	<0.059	U
Benzo(a)anthracene	5.6	11	**0.42**		**0.24**		**0.18**		**0.21**		**0.16**		**0.21**		**0.091**	J	**0.56**		**0.25**	
Benzo(a)pyrene	1	1.1	**0.52**		**0.3**		**0.26**		**0.28**		**0.26**		**0.27**		**0.12**	J	**0.52**		**0.3**	
Benzo(b)fluoranthene	5.6	11	**0.59**		**0.36**		**0.31**		**0.32**		**0.31**		**0.32**		**0.14**		**0.63**		**0.34**	
Benzo(ghi)perylene	500	1000	**0.31**		**0.2**		**0.19**		**0.19**		**0.18**		**0.19**		**0.084**	J	**0.29**		**0.18**	
Benzo(k)fluoranthene	56	110	**0.21**		**0.12**		**0.084**	J	**0.11**	J	**0.086**	J	**0.096**	J	**0.048**	J	**0.22**		**0.16**	
Biphenyl			<0.029	U	<0.027	U	<0.028	U	<0.028	U	<0.028	U	<0.028	U	<0.028	U	<0.027	U	<0.028	U
Bis(2-chloroethoxy)methane			<0.022	U	<0.021	U	<0.022	U	<0.022	U	<0.022	U	<0.021	U	<0.021	U	<0.021	U	<0.022	U
Bis(2-chloroethyl)ether			<0.03	U	<0.028	U	<0.029	U	<0.03	U	<0.029	U	<0.029	U	<0.029	U	<0.028	U	<0.03	U
Bis(2-chloroisopropyl)ether			<0.038	U	<0.036	U	<0.037	U	<0.037	U	<0.037	U	<0.036	U	<0.036	U	<0.036	U	<0.037	U
Bis(2-ethylhexyl)phthalate			<0.076	U	<0.072	U	<0.075	U	<0.076	U	<0.075	U	<0.073	U	<0.073	U	<0.072	U	<0.076	U
Butyl benzyl phthalate			<0.056	U	<0.052	U	<0.054	U	<0.055	U	<0.054	U	<0.054	U	<0.053	U	<0.052	U	<0.055	U
Caprolactam			<0.067	U	<0.063	U	<0.066	U	<0.067	U	<0.066	U	<0.064	U	<0.064	U	<0.063	U	<0.067	U
Carbazole			**0.045**	J	**0.042**	J	**0.034**	J	**0.042**	J	**0.034**	J	**0.042**	J	<0.02	U	**0.036**	J	**0.032**	J
Chrysene	56	110	**0.43**		**0.24**		**0.21**		**0.22**		**0.17**		**0.22**		**0.1**	J	**0.58**		**0.28**	
Di-n-butylphthalate			<0.042	U	<0.04	U	<0.041	U	<0.042	U	<0.041	U	<0.04	U	<0.04	U	<0.04	U	<0.042	U
Di-n-octylphthalate			<0.075	U	<0.071	U	<0.073	U	<0.074	U	<0.073	U	<0.072	U	<0.072	U	<0.071	U	<0.074	U
Dibenzo(a,h)anthracene	0.56	1.1	**0.072**	J	**0.047**	J	**0.037**	J	**0.044**	J	**0.038**	J	**0.039**	J	<0.024	U	**0.08**	J	**0.048**	J
Dibenzofuran	350	1000	<0.021	U	**0.032**	J	**0.024**	J	**0.028**	J	<0.02	U	**0.031**	J	<0.02	U	**0.039**	J	<0.021	U
Diethyl phthalate			<0.02	U	<0.019	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.019	U	<0.02	U
Dimethyl phthalate			<0.046	U	<0.044	U	<0.045	U	<0.046	U	<0.045	U	<0.044	U	<0.044	U	<0.044	U	<0.046	U
Fluoranthene	500	1000	**0.71**		**0.54**		**0.44**		**0.43**		**0.32**		**0.45**		**0.18**		**1**		**0.26**	
Fluorene	500	1000	**0.032**	J	**0.041**	J	**0.03**	J	**0.043**	J	**0.028**	J	**0.043**	J	<0.02	U	**0.052**	J	<0.021	U
Hexachlorobenzene	6	12	<0.025	U	<0.023	U	<0.024	U	<0.024	U	<0.024	U	<0.024	U	<0.024	U	<0.023	U	<0.024	U
Hexachlorobutadiene			<0.032	U	<0.03	U	<0.032	U	<0.032	U	<0.032	U	<0.031	U	<0.031	U	<0.03	U	<0.032	U
Hexachlorocyclopentadiene			<0.2	U	<0.19	U	<0.2	U	<0.2	U	<0.2	U	<0.19	U	<0.19	U	<0.19	U	<0.2	U
Hexachloroethane			<0.036	U	<0.034	U	<0.035	U	<0.035	U	<0.035	U	<0.034	U	<0.034	U	<0.034	U	<0.035	U
Indeno(1,2,3-cd)pyrene	5.6	11	**0.38**		**0.25**		**0.22**		**0.22**		**0.21**		**0.22**		**0.073**	J	**0.27**		**0.16**	J
Isophorone			<0.028	U	<0.027	U	<0.028	U	<0.028	U	<0.028	U	<0.028	U	<0.027	U	<0.027	U	<0.028	U
n-Nitrosodi-n-propylamine			<0.034	U	<0.032	U	<0.033	U	<0.034	U	<0.033	U	<0.033	U	<0.033	U	<0.032	U	<0.034	U
Naphthalene	500	1000	0.056	J	**0.13**	J	**0.077**	J	**0.074**	J	**0.062**	J	**0.089**	J	**0.066**	J	**0.14**	J	**0.07**	J
NDPA/DPA			<0.025	U	<0.024	U	<0.024	U	<0.025	U	<0.024	U	<0.024	U	<0.024	U	<0.024	U	<0.025	U
Nitrobenzene			<0.033	U	<0.031	U	<0.032	U	<0.032	U	<0.032	U	<0.031	U	<0.031	U	<0.031	U	<0.032	U
p-Chloro-m-cresol			<0.033	U	<0.031	U	<0.032	U	<0.033	U	<0.032	U	<0.032	U	<0.032	U	<0.031	U	<0.033	U
Pentachlorophenol	6.7	55	<0.048	U	<0.046	U	<0.047	U	<0.048	U	<0.047	U	<0.047	U	<0.046	U	<0.046	U	<0.048	U
Phenanthrene	500	1000	**0.23**		**0.31**		**0.27**		**0.28**		**0.17**		**0.24**		**0.093**	J	**0.51**		**0.15**	
Phenol	500	1000	<0.033	U	**0.054**	J	<0.032	U	<0.033	U	**0.05**	J	<0.032	U	<0.032	U	<0.031	U	<0.033	U
Pyrene	500	1000	**0.54**		**0.42**		**0.35**		**0.35**		**0.26**		**0.36**		**0.15**		**0.75**		**0.22**	
GENERAL CHEMISTRY																				
Solids, Total			**74.2**		**77.9**		**75**		**76**		**75.3**		**77.7**		**77.2**		**78.7**		**74.6**	

* 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.

Notes:
NS = Not Sampled
"<" = Analyzed for but detected at or above the quantitation limit
J = Analyte detected below quantitation limit
Bold = Analyte was detected
Green Highlight = Analyte concentration exceeds Commercial SCOs
Red Highlight = Analyte concentration exceeds Industrial SCOs

Table 14B
ST24 Bioremediation IRM
3-Month Inspection Sampling
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

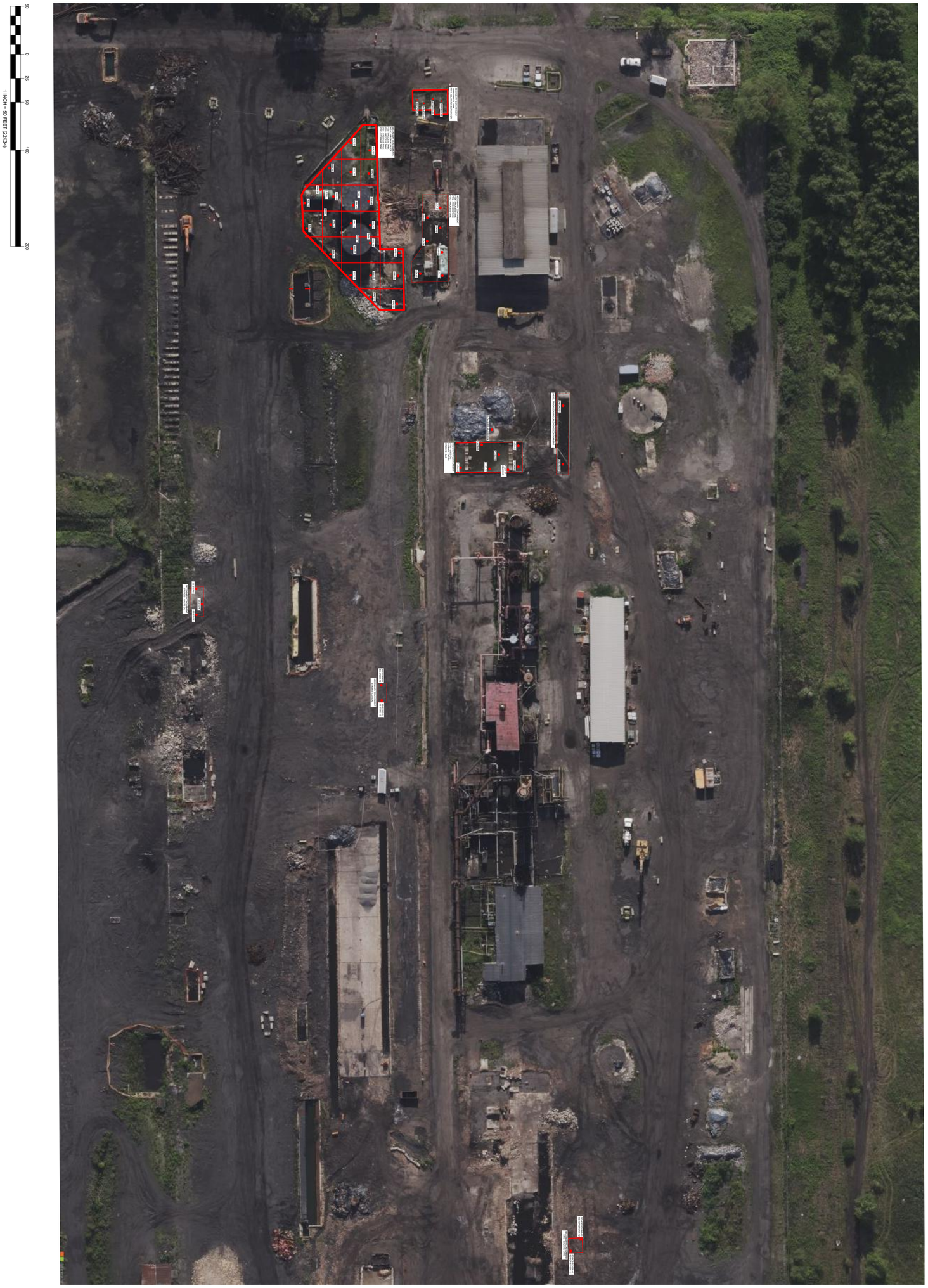
ANALYTE		SAMPLE ID:	ST24-60-01A-08152023		ST24-60-01B-08152023		ST24-60-01C-08152023		ST24-60-02A-08152023		ST24-60-02B-08152023		ST24-60-02C-08152023		ST24-60-03A-08152023		ST24-60-03B-08152023		ST24-60-03C-08152023	
		LAB ID:	L2347215-01		L2347215-02		L2347215-03		L2347215-04		L2347215-05		L2347215-06		L2347215-07		L2347215-08		L2347215-09	
		COLLECTION DATE:	8/15/2023		8/15/2023		8/15/2023		8/15/2023		8/15/2023		8/15/2023		8/15/2023		8/15/2023		8/15/2023	
		SAMPLE LOCATION:	60" Cut, Pile 1, South Side		60" Cut, Pile 1, West Side		60" Cut, Pile 1, NorthSide		60" Cut, Pile 2, SouthSide		60" Cut, Pile 2, West Side		60" Cut, Pile 2, North Side		60" Cut, Pile 3, South Side		60" Cut, Pile 3, West Side		60" Cut, Pile 3, North Side	
		SAMPLE MATRIX:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Part 375 SCOs Commercial (mg/kg)	Part 375 SCOs Industrial (mg/kg)	Treatment Area 2 (60" Depth) Pile 1 - Control						Treatment Area 2 (60" Depth) Pile 2 (Fertilizer)						Treatment Area 2 (60" Depth) Pile 3 - Klozure					
VOLATILE ORGANICS BY GC/MS																				
1,1,1-Trichloroethane	500	1000	<0.00018	U	<0.00018	U	<0.00019	U	<0.0002	U	<0.00021	U	<0.00018	U	<0.00021	U	<0.00021	U	<0.00015	U
1,1,2,2-Tetrachloroethane			<0.00018	U	<0.00018	U	<0.00019	U	<0.00019	U	<0.00021	U	<0.00018	U	<0.00021	U	<0.00021	U	<0.00014	U
1,1,2-Trichloroethane			<0.0003	U	<0.0003	U	<0.00031	U	<0.00031	U	<0.00033	U	<0.00029	U	<0.00034	U	<0.00034	U	<0.00023	U
1,1-Dichloroethane	240	480	<0.00016	U	<0.00016	U	<0.00017	U	<0.00017	U	<0.00018	U	<0.00016	U	<0.00018	U	<0.00018	U	<0.00013	U
1,1-Dichloroethene	500	1000	<0.00026	U	<0.00026	U	<0.00028	U	<0.00028	U	<0.0003	U	<0.00026	U	<0.0003	U	<0.0003	U	<0.00021	U
1,2,3-Trichlorobenzene			<0.00036	U	<0.00036	U	<0.00037	U	<0.00038	U	<0.0004	U	<0.00036	U	<0.00041	U	<0.00041	U	<0.00028	U
1,2,4-Trichlorobenzene			<0.0003	U	<0.0003	U	<0.00032	U	<0.00032	U	<0.00034	U	<0.0003	U	<0.00034	U	<0.00034	U	<0.00024	U
1,2-Dibromo-3-chloropropane			<0.0011	U	<0.0011	U	<0.0012	U	<0.0012	U	<0.0012	U	<0.0011	U	<0.0013	U	<0.0013	U	<0.00088	U
1,2-Dibromoethane			<0.00031	U	<0.00031	U	<0.00032	U	<0.00033	U	<0.00035	U	<0.00031	U	<0.00035	U	<0.00035	U	<0.00024	U
1,2-Dichlorobenzene	500	1000	<0.00016	U	<0.00016	U	<0.00017	U	<0.00017	U	<0.00018	U	<0.00016	U	<0.00018	U	<0.00018	U	<0.00013	U
1,2-Dichloroethane	30	60	<0.00028	U	<0.00028	U	<0.0003	U	<0.0003	U	<0.00032	U	<0.00028	U	<0.00033	U	<0.00033	U	<0.00022	U
1,2-Dichloropropane			<0.00014	U	<0.00014	U	<0.00014	U	<0.00015	U	<0.00016	U	<0.00014	U	<0.00016	U	<0.00016	U	<0.00011	U
1,3-Dichlorobenzene	280	560	<0.00016	U	<0.00016	U	<0.00017	U	<0.00017	U	<0.00018	U	<0.00016	U	<0.00019	U	<0.00019	U	<0.00013	U
1,4-Dichlorobenzene	130	250	<0.00019	U	<0.00019	U	<0.0002	U	<0.0002	U	<0.00021	U	<0.00019	U	<0.00022	U	<0.00022	U	<0.00015	U
1,4-Dioxane	130	250	<0.039	U	<0.039	U	<0.041	U	<0.041	U	<0.044	U	<0.039	U	<0.045	U	<0.044	U	<0.031	U
2-Butanone	500	1000	<0.0025	U	<0.0025	U	<0.0026	U	<0.0026	U	<0.0028	U	<0.0024	U	<0.0028	U	<0.0028	U	<0.0019	U
2-Hexanone			<0.0013	U	<0.0013	U	<0.0014	U	<0.0014	U	<0.0015	U	<0.0013	U	<0.0015	U	<0.0015	U	<0.001	U
4-Methyl-2-pentanone			<0.0014	U	<0.0014	U	<0.0015	U	<0.0015	U	<0.0016	U	<0.0014	U	<0.0016	U	<0.0016	U	<0.0011	U
Acetone	500	1000	<0.0053	U	<0.0053	U	<0.0056	U	<0.0056	U	<0.006	U	<0.0053	U	**0.012**	J	**0.016**		<0.0042	U
Benzene	44	89	**0.00079**		**0.0003**	J	**0.0015**		**0.0056**		**0.005**		**0.0038**		**0.0074**		**0.015**		**0.00079**	
Bromochloromethane			<0.00023	U	<0.00023	U	<0.00024	U	<0.00024	U	<0.00026	U	<0.00023	U	<0.00026	U	<0.00026	U	<0.00018	U
Bromodichloromethane			<0.00012	U	<0.00012	U	<0.00013	U	<0.00013	U	<0.00014	U	<0.00012	U	<0.00014	U	<0.00014	U	<0.0001	U
Bromoform			<0.00027	U	<0.00027	U	<0.00028	U	<0.00029	U	<0.00031	U	<0.00027	U	<0.00031	U	<0.00031	U	<0.00022	U
Bromomethane			<0.00064	U	<0.00064	U	<0.00067	U	<0.00068	U	<0.00072	U	<0.00064	U	<0.00074	U	<0.00074	U	<0.00051	U
Carbon disulfide			<0.005	U	<0.005	U	<0.0053	U	<0.0053	U	<0.0057	U	<0.005	U	<0.0058	U	<0.0058	U	<0.004	U
Carbon tetrachloride	22	44	<0.00026	U	<0.00026	U	<0.00027	U	<0.00027	U	<0.00029	U	<0.00025	U	<0.00029	U	<0.00029	U	<0.0002	U
Chlorobenzene	500	1000	<0.00014	U	<0.00014	U	<0.00015	U	<0.00015	U	<0.00016	U	<0.00014	U	<0.00016	U	<0.00016	U	<0.00011	U
Chloroethane			<0.0005	U	<0.0005	U	<0.00052	U	<0.00053	U	<0.00056	U	<0.0005	U	<0.00057	U	<0.00057	U	<0.0004	U
Chloroform	350	700	<0.00016	U	<0.00016	U	<0.00016	U	<0.00016	U	<0.00017	U	<0.00015	U	<0.00018	U	<0.00018	U	<0.00012	U
Chloromethane			<0.001	U	<0.001	U	<0.0011	U	<0.0011	U	<0.0012	U	<0.001	U	<0.0012	U	<0.0012	U	<0.00082	U
cis-1,2-Dichloroethene	500	1000	<0.00019	U	<0.00019	U	<0.0002	U	<0.0002	U	<0.00022	U	<0.00019	U	<0.00022	U	<0.00022	U	<0.00015	U
cis-1,3-Dichloropropene			<0.00018	U	<0.00018	U	<0.00018	U	<0.00018	U	<0.0002	U	<0.00017	U	<0.0002	U	<0.0002	U	<0.00014	U
Cyclohexane			<0.0006	U	<0.0006	U	<0.00063	U	<0.00064	U	<0.00068	U	<0.0006	U	<0.00069	U	<0.00069	U	<0.00048	U
Dibromochloromethane			<0.00016	U	<0.00016	U	<0.00016	U	<0.00016	U	<0.00017	U	<0.00015	U	<0.00018	U	<0.00018	U	<0.00012	U
Dichlorodifluoromethane			<0.001	U	<0.001	U	<0.0011	U	<0.0011	U	<0.0011	U	<0.001	U	<0.0012	U	<0.0012	U	<0.0008	U
Ethylbenzene	390	780	**0.0006**	J	<0.00016	U	**0.00034**	J	**0.0018**		**0.0016**		**0.00056**	J	**0.0032**		**0.0024**		**0.00029**	J
Freon-113			<0.00077	U	<0.00077	U	<0.0008	U	<0.00081	U	<0.00086	U	<0.00076	U	<0.00088	U	<0.00088	U	<0.00061	U
Isopropylbenzene			<0.00012	U	<0.00012	U	<0.00013	U	<0.00013	U	<0.00014	U	<0.00012	U	**0.00014**	J	<0.00014	U	<0.0001	U
Methyl Acetate			<0.001	U	<0.001	U	<0.0011	U	<0.0011	U	<0.0012	U	<0.001	U	<0.0012	U	<0.0012	U	<0.00083	U
Methyl cyclohexane			<0.00067	U	<0.00067	U	**0.0024**	J	<0.0007	U	<0.00075	U	<0.00066	U	<0.00077	U	0.0014	J	<0.00053	U
Methyl tert butyl ether	500	1000	<0.00022	U	<0.00022	U	<0.00023	U	<0.00023	U	<0.00025	U	<0.00022	U	<0.00026	U	<0.00026	U	<0.00018	U
Methylene chloride	500	1000	<0.0025	U	<0.0025	U	<0.0026	U	<0.0027	U	<0.0028	U	<0.0025	U	<0.0029	U	<0.0029	U	<0.002	U
o-Xylene			**0.00083**	J	<0.00032	U	<0.00034	U	**0.005**		**0.0039**		**0.0013**		**0.0074**		**0.0054**		**0.00066**	J
p/m-Xylene			**0.0023**		<0.00062	U	**0.00084**	J	**0.0072**		**0.0067**		**0.0023**		**0.021**		**0.013**		**0.0015**	J
Styrene			**0.00031**	J	<0.00022	U	<0.00023	U	**0.0016**		**0.0012**		**0.00054**	J	<0.00025	U	**0.00025**	J	<0.00017	U
Tetrachloroethene	150	300	**0.00041**	J	**0.00043**	J	**0.0009**		**0.00058**		**0.00059**	J	**0.00045**	J	**0.00066**		**0.00064**		**0.00034**	J
Toluene	500	1000	**0.00074**	J	<0.0006	U	**0.00099**	J	**0.0092**		**0.009**		**0.0042**		**0.02**		**0.025**		**0.0016**	
trans-1,2-Dichloroethene	500	1000	<0.00015	U	<0.00015	U	<0.00016	U	<0.00016	U	<0.00017	U	<0.00015	U	<0.00017	U	<0.00017	U	<0.00012	U
trans-1,3-Dichloropropene			<0.0003	U	<0.0003	U	<0.00032	U	<0.00032	U	<0.00034	U	<0.0003	U	<0.00035	U	<0.00035	U	<0.00024	U
Trichloroethene	200	400	<0.00015	U	<0.00015	U	<0.00016	U	<0.00016	U	<0.00017	U	<0.00015	U	<0.00017	U	<0.00017	U	<0.00012	U
Trichlorofluoromethane			<0.00077	U	<0.00077	U	<0.00081	U	<0.00081	U	<0.00087	U	<0.00077	U	<0.00088	U	<0.00088	U	<0.00061	U
Vinyl chloride	13	27	<0.00037	U	<0.00037	U	<0.00039	U	<0.00039	U	<0.00042	U	<0.00037	U	<0.00042	U	<0.00042	U	<0.00029	U

ANALYTE		SAMPLE ID:	ST24-60-01A-08152023		ST24-60-01B-08152023		ST24-60-01C-08152023		ST24-60-02A-08152023		ST24-60-02B-08152023		ST24-60-02C-08152023		ST24-60-03A-08152023		ST24-60-03B-08152023		ST24-60-03C-08152023	
		LAB ID:	L2347215-01		L2347215-02		L2347215-03		L2347215-04		L2347215-05		L2347215-06		L2347215-07		L2347215-08		L2347215-09	
		COLLECTION DATE:	8/15/2023		8/15/2023		8/15/2023		8/15/2023		8/15/2023		8/15/2023		8/15/2023		8/15/2023		8/15/2023	
		SAMPLE LOCATION:	60" Cut, Pile 1, South Side		60" Cut, Pile 1, West Side		60" Cut, Pile 1, NorthSide		60" Cut, Pile 2, SouthSide		60" Cut, Pile 2, West Side		60" Cut, Pile 2, North Side		60" Cut, Pile 3, South Side		60" Cut, Pile 3, West Side		60" Cut, Pile 3, North Side	
		SAMPLE MATRIX:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Part 375 SCOs Commercial (mg/kg)	Part 375 SCOs Industrial (mg/kg)	Treatment Area 2 (60" Depth) Pile 1 - Control						Treatment Area 2 (60" Depth) Pile 2 (Fertilizer)						Treatment Area 2 (60" Depth) Pile 3 - Klozure					
SEMIVOLATILE ORGANICS BY GC/MS																				
1,2,4,5-Tetrachlorobenzene			<0.021	U	<0.021	U	<0.022	U	<0.021	U	<0.021	U	<0.022	U	<0.021	U	<0.022	U	<0.022	U
2,3,4,6-Tetrachlorophenol			<0.041	U	<0.041	U	<0.043	U	<0.041	U	<0.041	U	<0.042	U	<0.041	U	<0.042	U	<0.042	U
2,4,5-Trichlorophenol			<0.039	U	<0.038	U	<0.04	U	<0.039	U	<0.039	U	<0.04	U	<0.039	U	<0.039	U	<0.04	U
2,4,6-Trichlorophenol			<0.038	U	<0.038	U	<0.04	U	<0.039	U	<0.039	U	<0.04	U	<0.038	U	<0.039	U	<0.039	U
2,4-Dichlorophenol			<0.033	U	<0.032	U	<0.034	U	<0.033	U	<0.033	U	<0.034	U	<0.032	U	<0.033	U	<0.033	U
2,4-Dimethylphenol			<0.067	U	<0.066	U	<0.07	U	<0.067	U	<0.068	U	<0.069	U	<0.067	U	<0.068	U	<0.068	U
2,4-Dinitrophenol			<0.095	U	<0.094	U	<0.098	U	<0.095	U	<0.095	U	<0.098	U	<0.094	U	<0.096	U	<0.096	U
2,4-Dinitrotoluene			<0.041	U	<0.04	U	<0.042	U	<0.041	U	<0.041	U	<0.042	U	<0.04	U	<0.041	U	<0.041	U
2,6-Dinitrotoluene			<0.035	U	<0.034	U	<0.036	U	<0.035	U	<0.035	U	<0.036	U	<0.035	U	<0.035	U	<0.035	U
2-Chloronaphthalene			<0.02	U	<0.02	U	<0.021	U	<0.02	U	<0.02	U	<0.021	U	<0.02	U	<0.02	U	<0.02	U
2-Chlorophenol			<0.024	U	<0.024	U	<0.025	U	<0.024	U	<0.024	U	<0.025	U	<0.024	U	<0.024	U	<0.024	U
2-Methylnaphthalene			<0.024	U	**0.024**	J	<0.026	U	<0.025	U	**0.079**	J	<0.025	U	<0.024	U	<0.025	U	**0.033**	J
2-Methylphenol	500	1000	<0.031	U	<0.031	U	<0.033	U	<0.032	U	<0.032	U	<0.032	U	<0.031	U	<0.032	U	<0.032	U
2-Nitroaniline			<0.039	U	<0.039	U	<0.041	U	<0.039	U	<0.039	U	<0.04	U	<0.039	U	<0.04	U	<0.04	U
2-Nitrophenol			<0.076	U	<0.076	U	<0.079	U	<0.077	U	<0.077	U	<0.079	U	<0.076	U	<0.077	U	<0.078	U
3,3'-Dichlorobenzidine			<0.054	U	<0.054	U	<0.056	U	<0.054	U	<0.054	U	<0.056	U	<0.054	U	<0.055	U	<0.055	U
3-Methylphenol/4-Methylphenol	500	1000	<0.032	U	<0.032	U	<0.033	U	<0.032	U	<0.032	U	<0.033	U	<0.032	U	<0.032	U	<0.032	U
3-Nitroaniline			<0.038	U	<0.038	U	<0.04	U	<0.038	U	<0.039	U	<0.04	U	<0.038	U	<0.039	U	<0.039	U
4,6-Dinitro-o-cresol			<0.097	U	<0.096	U	<0.1	U	<0.098	U	<0.098	U	<0.1	U	<0.097	U	<0.099	U	<0.099	U
4-Bromophenyl phenyl ether			<0.031	U	<0.031	U	<0.032	U	<0.031	U	<0.031	U	<0.032	U	<0.031	U	<0.031	U	<0.032	U
4-Chloroaniline			<0.037	U	<0.037	U	<0.038	U	<0.037	U	<0.037	U	<0.038	U	<0.037	U	<0.038	U	<0.038	U
4-Chlorophenyl phenyl ether			<0.022	U	<0.022	U	<0.023	U	<0.022	U	<0.022	U	<0.022	U	<0.022	U	<0.022	U	<0.022	U
4-Nitroaniline			<0.084	U	<0.083	U	<0.088	U	<0.084	U	<0.085	U	<0.087	U	<0.084	U	<0.085	U	<0.085	U
4-Nitrophenol			<0.083	U	<0.082	U	<0.086	U	<0.083	U	<0.084	U	<0.085	U	<0.082	U	<0.084	U	<0.084	U
Acenaphthene	500	1000	<0.021	U	<0.021	U	<0.022	U	<0.021	U	<0.021	U	<0.022	U	<0.021	U	<0.021	U	<0.021	U
Acenaphthylene	500	1000	<0.031	U	**0.038**	J	<0.033	U	<0.031	U	**0.068**	J	<0.032	U	<0.031	U	<0.032	U	<0.032	U
Acetophenone			<0.025	U	<0.025	U	<0.026	U	<0.025	U	<0.025	U	<0.026	U	<0.025	U	<0.026	U	<0.026	U
Anthracene	500	1000	<0.04	U	**0.12**		<0.041	U	<0.04	U	**0.25**		<0.041	U	<0.039	U	<0.04	U	<0.04	U
Atrazine			<0.071	U	<0.07	U	<0.074	U	<0.071	U	<0.072	U	<0.073	U	<0.071	U	<0.072	U	<0.072	U
Benzaldehyde			<0.055	U	<0.054	U	<0.057	U	<0.055	U	<0.055	U	<0.056	U	<0.054	U	<0.056	U	<0.056	U
Benzo(a)anthracene	5.6	11	**0.051**	J	**0.16**		**0.1**	J	**0.083**	J	**0.24**		**0.13**		**0.056**	J	**0.062**	J	**0.084**	J
Benzo(a)pyrene	1	1.1	**0.055**	J	**0.19**		**0.11**	J	**0.11**	J	**0.18**		**0.17**		**0.08**	J	**0.084**	J	**0.097**	J
Benzo(b)fluoranthene	5.6	11	**0.065**	J	**0.23**		**0.13**		**0.14**		**0.22**		**0.19**		**0.096**	J	**0.11**	J	**0.11**	J
Benzo(ghi)perylene	500	1000	**0.036**	J	**0.13**	J	**0.072**	J	**0.087**	J	**0.094**	J	**0.12**	J	**0.057**	J	**0.062**	J	**0.066**	J
Benzo(k)fluoranthene	56	110	<0.032	U	**0.082**	J	**0.05**	J	**0.038**	J	**0.08**	J	**0.072**	J	**0.033**	J	**0.036**	J	**0.043**	J
Biphenyl			<0.026	U	<0.026	U	<0.027	U	<0.026	U	<0.027	U	<0.027	U	<0.026	U	<0.027	U	<0.027	U
Bis(2-chloroethoxy)methane			<0.02	U	<0.02	U	<0.021	U	<0.02	U	<0.02	U	<0.021	U	<0.02	U	<0.021	U	<0.021	U
Bis(2-chloroethyl)ether			<0.028	U	<0.027	U	<0.029	U	<0.028	U	<0.028	U	<0.028	U	<0.027	U	<0.028	U	<0.028	U
Bis(2-chloroisopropyl)ether			<0.035	U	<0.034	U	<0.036	U	<0.035	U	<0.035	U	<0.036	U	<0.034	U	<0.035	U	<0.035	U
Bis(2-ethylhexyl)phthalate			<0.07	U	<0.07	U	<0.073	U	<0.07	U	<0.071	U	<0.072	U	<0.07	U	<0.071	U	<0.071	U
Butyl benzyl phthalate			**0.11**	J	<0.051	U	<0.053	U	<0.051	U	<0.052	U	<0.053	U	<0.051	U	<0.052	U	<0.052	U
Caprolactam			<0.062	U	<0.061	U	<0.064	U	<0.062	U	<0.062	U	<0.064	U	<0.061	U	<0.063	U	<0.063	U
Carbazole			<0.02	U	**0.19**	J	<0.02	U	<0.02	U	**0.058**	J	**0.02**	J	<0.02	U	<0.02	U	<0.02	U
Chrysene	56	110	**0.049**	J	**0.22**		**0.095**	J	**0.097**	J	**0.24**		**0.13**		**0.064**	J	**0.074**	J	**0.086**	J
Di-n-butylphthalate			<0.038	U	<0.038	U	<0.04	U	<0.039	U	<0.039	U	<0.04	U	<0.038	U	<0.039	U	<0.039	U
Di-n-octylphthalate			<0.069	U	<0.068	U	<0.072	U	<0.069	U	<0.07	U	<0.071	U	<0.069	U	<0.07	U	<0.07	U
Dibenzo(a,h)anthracene	0.56	1.1	<0.023	U	0.032	J	<0.024	U	<0.024	U	**0.032**	J	**0.026**	J	<0.023	U	<0.024	U	<0.024	U
Dibenzofuran	350	1000	<0.019	U	<0.019	U	<0.02	U	<0.019	U	**0.13**	J	<0.02	U	<0.019	U	<0.019	U	**0.021**	J
Diethyl phthalate			<0.019	U	<0.019	U	<0.02	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U
Dimethyl phthalate			<0.043	U	<0.042	U	<0.044	U	<0.043	U	<0.043	U	<0.044	U	<0.042	U	<0.043	U	<0.043	U
Fluoranthene	500	1000	**0.11**	J	**0.32**		**0.22**		**0.17**		**0.56**		**0.25**		**0.1**	J	**0.14**		**0.23**	
Fluorene	500	1000	<0.02	U	**0.058**	J	**0.022**	J	<0.02	U	**0.2**		**0.022**	J	<0.02	U	<0.02	U	**0.027**	J
Hexachlorobenzene	6	12	<0.023	U	<0.022	U	<0.024	U	<0.023	U	<0.023	U	<0.023	U	<0.023	U	<0.023	U	<0.023	U
Hexachlorobutadiene			<0.03	U	<0.029	U	<0.031	U	<0.03	U	<0.03	U	<0.031	U	<0.03	U	<0.03	U	<0.03	U
Hexachlorocyclopentadiene			<0.18	U	<0.18	U	<0.19	U	<0.18	U	<0.18	U	<0.19	U	<0.18	U	<0.19	U	<0.19	U
Hexachloroethane			<0.033	U	<0.032	U	<0.034	U	<0.033	U	<0.033	U	<0.034	U	<0.033	U	<0.033	U	<0.033	U
Indeno(1,2,3-cd)pyrene	5.6	11	**0.043**	J	**0.16**		**0.087**	J	**0.097**	J	**0.12**	J	**0.14**	J	**0.067**	J	**0.074**	J	**0.076**	J
Isophorone			<0.026	U	<0.026	U	<0.027	U	<0.026	U	<0.026	U	<0.027	U	<0.026	U	<0.027	U	<0.027	U
n-Nitrosodi-n-propylamine			<0.031	U	<0.031	U	<0.033	U	<0.031	U	<0.032	U	<0.032	U	<0.031	U	<0.032	U	<0.032	U
Naphthalene	500	1000	<0.025	U	**0.057**	J	**0.37**		**0.043**	J	**0.076**	J	**0.048**	J	**0.058**	J	**0.031**	J	**0.037**	J
NDPA/DPA			<0.023	U	<0.023	U	<0.024	U	<0.023	U	<0.023	U	<0.024	U	<0.023	U	<0.023	U	<0.023	U
Nitrobenzene			<0.03	U	<0.03	U	<0.031	U	<0.03	U	<0.03	U	<0.031	U	<0.03	U	<0.03	U	<0.03	U
p-Chloro-m-cresol			<0.03	U	<0.03	U	<0.032	U	<0.03	U	<0.03	U	<0.031	U	<0.03	U	<0.031	U	<0.031	U
Pentachlorophenol	6.7	55	<0.045	U	<0.044	U	<0.046	U	<0.045	U	<0.045	U	<0.046	U	<0.044	U	<0.045	U	<0.045	U
Phenanthrene	500	1000	**0.079**	J	**0.19**		**0.14**		**0.098**	J	**0.88**		**0.14**		**0.062**	J	**0.088**	J	**0.2**	
Phenol	500	1000	<0.031	U	<0.03	U	<0.032	U	<0.031	U	<0.031	U	<0.032	U	**0.053**	J	<0.031	U	<0.031	U
Pyrene	500	1000	**0.084**	J	**0.25**		**0.18**		**0.14**		**0.36**		**0.2**		**0.086**	J	**0.11**	J	**0.17**	
GENERAL CHEMISTRY																				
Solids, Total			**79.6**		**80.8**		**78.6**		**79.2**		**79**		**79**		**79.8**		**78.4**		**79.3**	

* Comparison is not performed on parameters with non-numeric criteria.
NY-RESC: New York NYCRR Part 375 Commercial Criteria, New York Restricted
NY-RESI: New York NYCRR Part 375 Industrial Criteria, New York Restricted use

Notes:
NS = Not Sampled
"<" = Analyzed for but detected at or above the quantitation limit
J = Analyte detected below quantitation limit
Bold = Analyte was detected
Green Highlight = Analyte concentration exceeds Commercial SCOs
Red Highlight = Analyte concentration exceeds Industrial SCOs

D



N

SECONDARY CONTAINMENTS

FIGURE 1C

DRAWING NUMBER

INVENTUM ENGINEERING
441 CARLISLE DRIVE
SUITE C
HERNDON, VIRGINIA 20170
(703) 722-6049
www.InventumEng.com

SECONDARY CONTAINMENT SAMPLING
RIVERVIEW INNOVATION & TECHNOLOGY CAMPUS, INC.
3875 RIVER ROAD
TONAWANDA, NEW YORK 14150
BCP SITE No. C915353

DRAWING BY	RB
CHECKED	
APPROVED	

PROPERTY OF INVENTUM ENGINEERING

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Table 1C
Secondary Containment IRM Work Plan - Closure Sampling
Former Light Oil Area Tanks ST03, ST04, and ST05 "Bullet Tanks"
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE			SAMPLE ID:	F-LOA-01-01302024		F-LOA-02-01302024		F-LOA-03-01302024		F-LOA-04-01302024		F-LOA-05-01302024		F-LOA-06-01302024	
			LAB REPORT:	480-216732		480-216732		480-216732		480-216732		480-216732		480-216732	
			COLLECTION DATE:	1/30/2024		1/30/2024		1/30/2024		1/30/2024		1/30/2024		1/30/2024	
			SAMPLE DEPTH:	4' BGS		4.5' BGS		4' BGS		4' BGS		4' BGS		4' BGS	
			LOCATION:	BULLET TANK SUB-SLAB		BULLET TANK SUB-SLAB		BULLET TANK SUB-SLAB		BULLET TANK SUB-SLAB		BULLET TANK SUB-SLAB		BULLET TANK SUB-SLAB	
	EPA-TCLP (mg/l)	Part 375 Commercial SCO (mg/kg)	Part 375 Industrial SCO (mg/kg)	Northwest Corner, Below former ST03		Below Eastern Sump		Center		Northeast Corner, Below fomer ST04 Diesel Tank		West Side, Adjacent to Former Light Oil Building		Southeast Corner, Below former ST05 Gas Tank	
VOLATILE ORGANICS BY GC/MS															
1,1,1-Trichloroethane		500	1000	<0.019	U	<0.00032	U	<0.085	U	<0.013	U	<0.032	U	<0.016	U
1,1,2,2-Tetrachloroethane				<0.011	U	<0.00073	U	<0.050	U	<0.0078	U	<0.071	U	<0.0092	U
1,1,2-Trichloro-1,2,2-trifluoroethane				<0.034	U	<0.001	U	<0.150	U	<0.024	U	<0.001	U	<0.028	U
1,1,2-Trichloroethane				<0.014	U	<0.00058	U	<0.065	U	<0.010	U	<0.057	U	<0.012	U
1,1-Dichloroethane		240	480	<0.021	U	<0.00055	U	<0.095	U	<0.015	U	<0.054	U	<0.017	U
1,1-Dichloroethene		500	1000	<0.024	U	<0.00055	U	<0.110	U	<0.017	U	<0.054	U	<0.020	U
1,2,4-Trichlorobenzene				<0.026	U	<0.0027	U	<0.120	U	<0.018	U	<0.027	U	<0.021	U
1,2-Dibromo-3-chloropropane				<0.034	U	<0.0022	U	<0.150	U	<0.024	U	<0.0022	U	<0.028	U
1,2-Dibromoethane				<0.012	U	<0.00057	U	<0.054	U	<0.0084	U	<0.056	U	<0.0099	U
1,2-Dichlorobenzene		500	1000	<0.017	U	<0.00035	U	<0.078	U	<0.012	U	<0.034	U	<0.014	U
1,2-Dichloroethane		30	60	<0.028	U	<0.00022	U	<0.130	U	<0.020	U	<0.022	U	<0.023	U
1,2-Dichloropropane				<0.011	U	<0.0022	U	<0.050	U	<0.0078	U	<0.0022	U	<0.0091	U
1,3-Dichlorobenzene		280	560	<0.018	U	<0.00023	U	<0.082	U	<0.013	U	<0.023	U	<0.015	U
1,4-Dichlorobenzene		130	250	<0.0095	U	<0.00063	U	<0.043	U	<0.0067	U	<0.061	U	<0.0079	U
2-Butanone (MEK)		500	1000	<0.200	U	**0.01**	J	<0.910	U	<0.140	U	**0.003**	J	<0.170	U
2-Hexanone				<0.140	U	<0.0022	U	<0.630	U	<0.098	U	<0.0022	U	<0.120	U
4-Methyl-2-pentanone				<0.022	U	<0.0015	U	<0.098	U	<0.015	U	<0.023	U	<0.018	U
Acetone		500	1000	<0.280	U	**0.052**		<1.3	U	<0.200	U	**0.04**		<0.230	U
Benzene		44	89	**2.4**		**0.0015**	J	**28**		**0.73**		**0.0035**	J	**1.6**	
Bromodichloromethane				<0.014	U	<0.0006	U	<0.061	U	<0.0096	U	<0.059	U	<0.011	U
Bromoform				<0.034	U	<0.0022	U	<0.150	U	<0.024	U	<0.0022	U	<0.028	U
Bromomethane				<0.015	U	<0.0004	U	<0.068	U	<0.011	U	<0.039	U	<0.012	U
Carbon disulfide				<0.031	U	<0.0022	U	<0.140	U	<0.022	U	<0.0022	U	<0.026	U
Carbon tetrachloride		22	44	<0.017	U	<0.00043	U	<0.078	U	<0.012	U	<0.042	U	<0.014	U
Chlorobenzene		500	1000	<0.009	U	<0.00059	U	<0.041	U	<0.0063	U	<0.058	U	<0.0074	U
Chloroethane				<0.014	U	<0.001	U	<0.064	U	<0.010	U	<0.099	U	<0.012	U
Chloroform		350	700	<0.047	U	<0.00028	U	<0.210	U	<0.033	U	<0.027	U	<0.039	U
Chloromethane				<0.16	U	<0.00027	U	<0.073	U	<0.011	U	<0.027	U	**0.014**	J
cis-1,2-Dichloroethene		500	1000	<0.019	U	<0.00057	U	<0.085	U	<0.013	U	<0.056	U	<0.016	U
cis-1,3-Dichloropropene				<0.016	U	<0.00064	U	<0.073	U	<0.011	U	<0.063	U	<0.013	U
Cyclohexane				<0.015	U	<0.00063	U	<0.068	U	<0.011	U	<0.061	U	<0.013	U
Dibromochloromethane				<0.033	U	<0.00057	U	<0.150	U	<0.023	U	<0.056	U	<0.027	U
Dichlorodifluoromethane				<0.030	U	<0.00037	U	<0.130	U	<0.021	U	<0.036	U	<0.025	U
Ethylbenzene		390	780	**0.79**		<0.00031	U	**0.22**	J	**0.054**		**0.0016**	J	**0.087**	J
Isopropylbenzene				<0.010	U	<0.00067	U	<0.046	U	<0.0072	U	<0.066	U	**0.009**	
p/m-Xylene				**1.2**		<0.00075	U	**0.62**		**0.5**		**0.019**		**0.83**	
Methyl Acetate				<0.032	U	<0.0027	U	<0.150	U	<0.023	U	<0.0027	U	**0.081**	J
Methyl tert butyl ether		500	1000	<0.026	U	<0.00044	U	<0.120	U	<0.018	U	<0.043	U	<0.021	U
Methyl cyclohexane				<0.032	U	<0.00068	U	<0.140	U	<0.022	U	<0.067	U	<0.026	U
Methylene chloride		500	1000	<0.013	U	<0.0021	U	<0.061	U	<0.0095	U	<0.002	U	<0.011	U
o-Xylene				**0.47**		**0.00086**	J	**0.23**	J	**0.1**		**0.0076**		**0.19**	
Styrene				**41**	J	<0.00022	U	<0.074	U	**0.072**		**<0.022**		**0.099**	
Tetrachloroethene		150	300	<0.0091	U	<0.0006	U	<0.041	U	<0.0064	U	<0.059	U	<0.0076	U
Toluene		500	1000	**0.28**		**0.00037**	J	**0.21**	J	**0.47**		**0.0031**	J	**0.73**	
trans-1,2-Dichloroethene		500	1000	<0.016	U	<0.00046	U	<0.073	U	<0.011	U	<0.045	U	<0.013	U
trans-1,3-Dichloropropene				<0.0067	U	<0.002	U	<0.030	U	<0.0047	U	<0.0019	U	<0.0055	U
Trichloroethene		200	400	<0.019	U	<0.00098	U	<0.085	U	<0.013	U	<0.097	U	<0.026	U
Trichlorofluoromethane				<0.032	U	<0.00042	U	<0.140	U	<0.022	U	<0.042	U	<0.019	U
Vinyl chloride		13	27	<0.023	U	<0.00055	U	<0.100	U	<0.016	U	<0.054	U	<0.019	U
Total VOCs				**46.14**		**0.065**		**29.28**		**1.926**		**0.0778**		**3.640**	
SEMIVOLATILE ORGANICS BY GC/MS															
1,4-Dioxane		130	250	<0.077	U	<0.073	U	<0.078	U	<0.066	U	<0.070	U	<0.071	U
2,4,5-Trichlorophenol				<0.065	U	<0.061	U	<0.065	U	<0.056	U	<0.059	U	<0.059	U
2,4,6-Trichlorophenol				<0.048	U	<0.045	U	<0.048	U	<0.041	U	<0.043	U	<0.044	U
2,4-Dichlorophenol				<0.025	U	<0.024	U	<0.026	U	<0.022	U	<0.023	U	<0.023	U
2,4-Dimethylphenol				<0.058	U	<0.054	U	**0.086**	J	<0.050	U	<0.052	U	<0.053	U
2,4-Dinitrophenol				<1.100	U	<1.0	U	<1.1	U	<0.950	U	<1.000	U	<1.0	U
2,4-Dinitrotoluene				<0.049	U	<0.046	U	<0.050	U	<0.042	U	<0.045	U	<0.045	U
2,6-Dinitrotoluene				<0.028	U	<0.026	U	<0.028	U	<0.024	U	<0.025	U	<0.026	U
2-Chloronaphthalene				<0.039	U	<0.037	U	<0.040	U	<0.034	U	<0.036	U	<0.036	U
2-Chlorophenol				<0.044	U	<0.041	U	<0.044	U	<0.037	U	<0.039	U	<0.040	U
2-Methylnaphthalene				**0.33**	U	**0.056**	J	<0.048	U	**0.24**		**0.16**	J	**0.082**	J
2-Methylphenol		500	1000	**0.032**	J	<0.026	U	**0.059**	J	**0.035**	J	<0.025	U	**0.043**	J
2-Nitroaniline				<0.035	U	<0.033	U	<0.035	U	<0.030	U	<0.032	U	<0.032	U
2-Nitrophenol				<0.067	U	<0.063	U	<0.068	U	<0.058	U	<0.061	U	<0.062	U
3,3'-Dichlorobenzidine				<0.28	U	<0.26	U	<0.280	U	<0.240	U	<0.250	U	<0.260	U
3-Nitroaniline				<0.066	U	<0.062	U	<0.067	U	<0.057	U	<0.060	U	<0.060	U
4,6-Dinitro-2-methylphenol				<0.24	U	<0.220	U	<0.240	U	<0.210	U	<0.220	U	<0.220	U
4-Bromophenyl phenyl ether				<0.034	U	<0.032	U	<0.034	U	<0.029	U	<0.031	U	<0.031	U
4-Chloro-3-methylphenol				<0.059	U	<0.055	U	<0.060	U	<0.051	U	<0.053	U	<0.054	U
4-Chloroaniline				<0.059	U	<0.055	U	<0.060	U	<0.051	U	<0.053	U	<0.054	U
4-Chlorophenyl phenyl ether				<0.030	U	<0.028	U	<0.030	U	<0.025	U	<0.027	U	<0.027	U
3-Methylphenol/4-Methylphenol		500	1000	**0.055**	J	**0.028**	J	<0.028	U	**0.066**	J	**0.031**	J	**0.1**	J
4-Nitroaniline				<0.130	U	<0.12	U	<0.130	U	<0.110	U	<0.110	U	<0.110	U
4-Nitrophenol				<0.170	U	<0.16	U	<0.170	U	<0.140	U	<0.150	U	<0.150	U
Acenaphthene		500	1000	**0.087**	J	<0.033	U	<0.035	U	**0.059**	J	<0.032	U	<0.032	U
Acenaphthylene		500	1000	**0.2**	J	**0.042**	J	<0.031	U	**0.14**	J	**0.078**	J	**0.066**	J
Acetophenone				<0.032	U	<0.030	U	<0.033	U	<0.028	U	<0.029	U	<0.030	U
Anthracene		500	1000	**0.24**		<0.055	U	<0.060	U	**0.14**	J	**0.092**	J	**0.067**	J
Atrazine				<0.083	U	<0.078	U	<0.084	U	<0.071	U	<0.075	U	<0.076	U
Benzaldehyde				<0.190	U	<0.180	U	<0.190	U	<0.160	U	<0.170	U	<0.170	U
Benzo(a)anthracene		5.6	11	**0.46**		**0.087**	J	<0.024	U	**0.27**		**0.12**	J	**0.16**	J
Benzo(a)pyrene		1	1.1	**0.38**		**0.076**	J	<0.035	U	**0.29**		**0.11**	J	**0.15**	J
Benzo(b)fluoranthene		5.6	11	**0.48**		**0.1**	J	<0.031	U	**0.36**		**0.13**	J	**0.19**	J
Benzo(ghi)perylene		500	1000	**0.29**		**0.077**	J	<0.026	U	**0.27**		**0.095**	J	**0.14**	J
Benzo(k)fluoranthene		56	110	**0.22**	J	**0.047**	J	<0.031	U	**0.16**	J	**0.067**	J	**0.0887**	J
Biphenyl				**0.06**	J	<0.033	U	<0.035	U	**0.041**	J	<0.032	U	<0.032	U
Bis(2-chloroisopropyl)ether				<0.082	U	<0.045	U	<0.048	U	<0.041	U	<0.043	U	<0.044	U
Bis(2-chloroethoxy)methane				<0.051	U	<0.048	U	<0.051	U	<0.043	U	<0.046	U	<0.046	U
Bis(2-chloroethyl)ether				<0.048	U	<0.029	U	<0.031	U	<0.027	U	<0.028	U	<0.028	U
Bis(2-ethylhexyl)phthalate				<0.039	U	<0.077	U	<0.082	U	<0.070	U	<0.074	U	<0.075	U
Butyl benzyl phthalate				<0.039	U	<0.037	U	<0.040	U	<0.034	U	<0.036	U	<0.036	U
Caprolactam				<0.072	U	<0.067	U	<0.072	U	<0.062	U	<0.065	U	<0.066	U
Carbazole				**0.07**		<0.026	U	<0.028	U	**0.056**		**0.032**	J	<0.026	U
Chrysene		56	110	**0.4**		<0.050	U	<0.054	U	**0.26**		**0.15**	J	**0.16**	J
Dibenzo(a,h)anthracene		0.56	1.1	<0.042	U	<0.040	U	<0.043	U	<0.036	U	<0.038	U	<0.039	U

Table 1C
Secondary Containment IRM Work Plan - Closure Sampling
Former Light Oil Area Tanks ST03, ST04, and ST05 "Bullet Tanks"
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE			SAMPLE ID:	F-LOA-01-01302024		F-LOA-02-01302024		F-LOA-03-01302024		F-LOA-04-01302024		F-LOA-05-01302024		F-LOA-06-01302024	
			LAB REPORT:	480-216732		480-216732		480-216732		480-216732		480-216732		480-216732	
			COLLECTION DATE:	1/30/2024		1/30/2024		1/30/2024		1/30/2024		1/30/2024		1/30/2024	
			SAMPLE DEPTH:	4' BGS		4.5' BGS		4' BGS		4' BGS		4' BGS		4' BGS	
			LOCATION:	BULLET TANK SUB-SLAB		BULLET TANK SUB-SLAB		BULLET TANK SUB-SLAB		BULLET TANK SUB-SLAB		BULLET TANK SUB-SLAB		BULLET TANK SUB-SLAB	
	EPA-TCLP (mg/l)	Part 375 Commercial SCO (mg/kg)	Part 375 Industrial SCO (mg/kg)	Northwest Corner, Below former ST03		Below Eastern Sump		Center		Northeast Corner, Below fomer ST04 Diesel Tank		West Side, Adjacent to Former Light Oil Building		Southeast Corner, Below former ST05 Gas Tank	
Dibenzofuran		350	1000	**0.19**	J	**0.032**	J	<0.028	U	**0.11**		**0.067**	J	**0.04**	J
Diethyl phthalate				<0.031	U	<0.029	U	<0.041	U	<0.027	U	<0.028	U	<0.028	U
Dimethyl phthalate				<0.028	U	<0.026	U	<0028	U	<0.024	U	<0.025	U	<0.026	U
Di-n-butylphthalate				<0.041	U	<0.038	U	<0.026	U	<0.035	U	<0.037	U	<0.037	U
Di-n-octylphthalate				<0.028	U	<0.026	U	<0.028	U	<0.024	U	<0.025	U	<0.026	U
Fluoranthene		500	1000	**0.84**		**0.15**	J	<0.033	U	**0.47**		**0.23**		**0.26**	J
Fluorene		500	1000	**0.26**		**0.045**	J	<0.028	U	**0.15**	J	**0.98**	J	**0.058**	J
Hexachlorobenzene		6	12	<0.032	U	<0.030	U	<0.033	U	<0.028	U	<0.029	U	<0.030	U
Hexachlorobutadiene				<0.035	U	<0.033	U	>0.035	U	<0.030	U	<0.032	U	<0.032	U
Hexachlorocyclopentadiene				<0.032	U	<0.030	U	<0.033	U	<0.028	U	<0.029	U	<0.030	U
Hexachloroethane				<0.031	U	<0.029	U	<0.031	U	<0.027	U	<0.028	U	<0.028	U
Indeno(1,2,3-cd)pyrene		5.6	11	**0.25**		**0.064**	J	<0.030	U	**0.2**	J	**0.077**	J	**0.11**	J
Isophorone				<0.051	U	<0.048	U	<0.051	U	<0.043	U	<0.046	U	<0.046	U
Naphthalene		500	1000	**14**		**0.41**		**0.076**	J	**8.2**		**2.5**		**0.72**	
Nitrobenzene				<0.027	U	<0.025	U	<0.027	U	<0.023	U	<0.024	U	<0.024	U
n-Nitrosodi-n-propylamine				<0.041	U	<0.038	U	<0.041	U	<0.035	U	<0.037	U	<0.037	U
n-Nitrosodiphenylamine				<0.19	U	<0.180	U	<0.200	U	<0.170	U	<0.180	U	<0.180	U
Pentachlorophenol		6.7	55	<0.240	U	<0.220	U	<0.240	U	<0.210	U	<220	U	<0.220	U
Phenanthrene		500	1000	**0.93**		**0.15**	J	<0.035	U	**0.49**		**0.32**		**0.21**	J
Phenol		500	1000	<0.037	U	<0.034	U	<0.037	U	<0.031	U	<0.033	U	0.23	U
Pyrene		500	1000	**0.91**		**0.17**	J	<0.028	U	**0.55**		**0.24**		**0.3**	
Total SVOCs				**20.68**		**1.534**		**0.2210**		**12.56**		**5.479**		**3.175**	
MERCURY, TOTAL															
Mercury, Total		2.8	5.7	**0.15**		**0.12**		**0.6**		**0.38**		**0.087**		**0.62**	
GENERAL CHEMISTRY															
Cyanide, Reactive				<9.3	U	<9.4	U	<9.1		<9.4	U	<9.8	U	<9.3	
Sulfide, Reactive				**74.3**		<9.4	U	**147**		<9.4	U	**19.5**		<9.3	
Ignitability (Degrees F)	<140			>180		>180		>180		>180		>180		>180	
pH (H)	>12.5, <2			**8.4**	HF	**8.2**	HF	**8.3**	HF	**9.2**	HF	**8.8**	HF	**10**	HF
Solids, Total				**70.7**		**75.4**		**69.5**		**82.5**		**76.3**		**76.1**	
TCLP VOLATILES BY EPA 1311															
1,1-Dichloroethene	0.7	500	1000	<0.0029	U	<0.0029	U	<0.0029	U	<0.0029	U	<0.0029	U	<0.0029	U
1,2-Dichloroethane	0.5	30	60	<0.0021	U	<0.0021	U	<0.0021	U	<0.0021	U	<0.0021	U	<0.0021	U
2-Butanone	200	500	1000	<0.013	U	<0.013	U	<0.013	U	<0.013	U	<0.013	U	<0.013	U
Benzene	0.5	44	89	**0.073**		<0.0041	U	**0.76**		<0.0041	U	<0.0041	U	**0.019**	
Carbon tetrachloride	0.5	22	44	<0.0027	U	<0.0027	U	<0.0027	U	<0.0027	U	<0.0027	U	<0.0027	U
Chlorobenzene	100	500	1000	<0.0075	U	<0.0075	U	<0.0075	U	<0.0075	U	<0.0075	U	<0.0075	U
Chloroform	6	350	700	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U
Tetrachloroethene	0.7	150	300	<0.0036	U	<0.0036	U	<0.0036	U	<0.0036	U	<0.0036	U	<0.0036	U
Trichloroethene	0.5	200	400	<0.0046	U	<0.0046	U	<0.0046	U	<0.0046	U	<0.0046	U	<0.0046	U
Vinyl chloride	0.2	13	27	<0.0090	U	<0.0090	U	<0.0090	U	<0.0090	U	<0.0090	U	<0.0090	U
SUM				**0.073**		-	U	**0.76**		-		-		**0.019**	
TCLP SEMIVOLATILES BY EPA 1311															
2,4,5-Trichlorophenol	400			<0.0048	U	<0.0024	U	<0.0019	U	<0.0024	U	<0.0048	U	<0.0024	U
2,4,6-Trichlorophenol	2			<0.0060	U	<0.0030	U	<0.0024	U	<0.0030	U	<0.0060	U	<0.0030	U
2,4-Dinitrotoluene	0.13			<0.0043	U	<0.0021	U	<0.0017	U	<0.0021	U	<0.0043	U	<0.0021	U
2-Methylphenol	200	500	1000	<0.0040	U	<0.0020	U	**0.0069**	J	<0.0020	U	<0.0040	U	**0.003**	J
3-Methylphenol	200	500	1000	<0.0040	U	<0.0020	U	**0.0031**	J	<0.0020	U	<0.0040	U	**0.0056**	J
4-Methylphenol	200			<0.0035	U	<0.0018	U	**0.0031**	J	<0.0018	U	<0.0035	U	**0.0056**	J
Hexachlorobenzene	0.13	6	12	<0.050	U	<0.0025	U	<0.0020	U	<0.0025	U	<0.050	U	<0.0025	U
Hexachlorobutadiene	0.5			<0.0068	U	<0.0034	U	<0.0027	U	<0.0034	U	<0.0068	U	<0.0034	U
Hexachloroethane	3			<0.0058	U	<0.0029	U	<0.0023	U	<0.0029	U	<0.0058	U	<0.0029	U
Nitrobenzene	2			<0.0028	U	<0.0014	U	<0.0011	U	<0.0014	U	<0.0028	U	<0.0014	U
Pentachlorophenol	100	6.7	55	<0.022	U	<0.011	U	<0.0088	U	<0.011	U	<0.022	U	<0.011	U
Pyridine	5			<0.25	U	<0.0020	U	<0.0016	U	<0.0020	U	<0.0040	U	<0.0020	U
SUM				-		-		**0.0131**		-		-		**0.0142**	
TCLP METALS BY EPA 1311															
Arsenic, TCLP	5			<0.0056	U	**0.0064**	J	**0.041**		<0.015	U	**0.007**	J	**0.007**	J
Barium, TCLP	100			**0.5**	J	**0.3**	J	**0.42**	J	**0.87**	J	**0.62**	J	**1.3**	
Cadmium, TCLP	1			<0.00050	U	<0.00050	U	<0.00050	U	<0.00050	U	<0.00050	U	<0.00050	U
Chromium, TCLP	5			<0.010	U	<0.010	U	<0.010	U	<0.010	U	<0.010	U	<0.010	U
Lead, TCLP	5			**0.011**	JB	**0.0052**	JB	**0.018**	JB	**0.012**	JB	**0.019**	JB	**0.047**	B
Mercury, TCLP	0.2			<0.000043	U	<0.000043	U	<0.00043	U	<0.000043	U	<0.000043	U	**0.00008**	J
Selenium, TCLP	1			<0.0087	U	<0.0087	U	<0.0087	U	<0.0087	U	<0.0087	U	<0.0087	U
Silver, TCLP	5			<0.0017	U	<0.0060	U	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U
TCLP PESTICIDES BY EPA 1311															
Chlordane	0.03			<0.000073	U	<0.000036	U	<0.000029	U	<0.000036	U	<0.000073	U	<0.000036	U
Endrin	0.02	89	410	<0.000035	U	<0.000017	U	<0.000014	U	<0.000017	U	<0.000035	U	<0.000017	U
Lindane	0.4	9.2	23	<0.000015	U	<0.0000075	U	<0.0000060	U	<0.0000075	U	<0.000015	U	<0.0000075	U
Heptachlor	0.008	15	29	<0.000021	U	<0.000011	U	<0.0000085	U	<0.000011	U	<0.000021	U	<0.000011	U
Heptachlor epoxide	0.008			<0.000013	U	<0.0000066	U	<0.0000053	U	<0.0000066	U	<0.000013	U	<0.0000066	U
Methoxychlor	10			<0.000035	U	<0.000018	U	<0.000014	U	<0.000018	U	<0.000035	U	<0.000018	U
Toxaphene	0.5			<0.00030	U	<0.00015	U	<0.00012	U	<0.00015	U	<0.00030	U	<0.00015	U
TCLP HERBICIDES BY EPA 1311															
2,4,5-TP (Silvex)	1	500	1000	<0.0010	U	<0.00050	U	<0.00040	U	<0.00050	U	<0.0010	U	<0.00050	U
2,4-D	10			<0.00090	U	<0.00045	U	<0.00036	U	<0.00045	U	<0.00090	U	<0.00045	U
PFAS															
PERFLUOROOCTANE SULFONIC ACID (PFOS)		0.44	0.44	-	-	-	-	-	-	**0.032**		-	-	-	-
Perfluorooctanoic acid (PFOA)		0.50	0.60	-	-	-	-	-	-	**0.42**		-	-	-	-

* Comparison is not performed on parameters with non-numeric criteria.
EPA-TCLP: EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria per 40CFR Part 261 as of September 10, 2015.
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:
U - Not detected at the reported detection limit for the sample.
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B - Compound was found in the blank and sample.
HF - Analyzed outside of hold time.
Bold - Compound is detected
Red Highlight - Exceeds NYS Part 375 Industrial SCOs
Green Highlight - Exceeds NYS Part 375 Commercial SCOs
Yellow Highlight - Exceeds EPA Toxicity Characteristic Regulatory Levels

Table 2C
Secondary Containment IRM Workplan - Closure Sampling
Former Light Oil Area Tanks ST03, ST04, and ST05 "Bullet Tanks" Excavation Water
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE	SAMPLE ID:		F-LOA-07-01302024	
	LAB REPORT:		480-216732	
	COLLECTION DATE:		1/30/2024	
	SAMPLE DEPTH:		Surface Water in Excavation	
	LOCATION:		Bullet Tank Sub-Slab	
	Class GA NYS Ambient Water Quality Standards and Guidance Values	Units	Eastern Side of Excavation	
VOCs 8260C				
1,1,1-TRICHLOROETHANE	5	ug/L	<41	U
1,1,2,2-TETRACHLOROETHANE	5	ug/L	<11	U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	-	ug/L	<16	U
1,1,2-TRICHLOROETHANE	1	ug/L	<12	U
1,1-DICHLOROETHANE	5	ug/L	<19	U
1,1-DICHLOROETHENE	5	ug/L	<15	U
1,2,4-TRICHLOROBENZENE	5	ug/L	<21	U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	ug/L	<20	U
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.0006	ug/L	<37	U
1,2-DICHLOROBENZENE	3	ug/L	<40	U
1,2-DICHLOROETHANE	0.6	ug/L	<11	U
1,2-DICHLOROPROPANE	1	ug/L	<36	U
1,3-DICHLOROBENZENE	3	ug/L	<36	U
1,4-DICHLOROBENZENE	3	ug/L	<42	U
2-HEXANONE	50	ug/L	<62	U
ACETONE	50	ug/L	<150	U
BENZENE	1	ug/L	**2000**	
BROMODICHLOROMETHANE	50	ug/L	<20	U
BROMOFORM	50	ug/L	<13	U
BROMOMETHANE	5	ug/L	<35	U
CARBON DISULFIDE	60	ug/L	<9.5	U
CARBON TETRACHLORIDE	5	ug/L	<14	U
CHLOROBENZENE	5	ug/L	<38	U
CHLOROETHANE	5	ug/L	<16	U
CHLOROFORM	7	ug/L	<17	U
CHLOROMETHANE	5	ug/L	<18	U
Cis-1,2-Dichloroethylene	5	ug/L	<41	U
CIS-1,3-DICHLOROPROPENE	0.4	ug/L	<18	U
CYCLOHEXANE	-	ug/L	<9	U
DIBROMOCHLOROMETHANE	50	ug/L	<16	U
DICHLORODIFLUOROMETHANE	5	ug/L	<34	U
ETHYLBENZENE	5	ug/L	<37	U
Isopropylbenzene (Cumene)	5	ug/L	<40	U
M,P-XYLENES	5	ug/L	**410**	
METHYL ACETATE	-	ug/L	<65	U
METHYL ETHYL KETONE (2-BUTANONE)	50	ug/L	<66	U
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	-	ug/L	<110	U
METHYLCYCLOHEXANE	-	ug/L	<8	U
METHYLENE CHLORIDE	5	ug/L	<22	U
O-XYLENE (1,2-DIMETHYLBENZENE)	5	ug/L	**110**	
STYRENE	5	ug/L	**59**	
TERT-BUTYL METHYL ETHER	10	ug/L	<8	U
TETRACHLOROETHYLENE(PCE)	5	ug/L	<18	U
TOLUENE	5	ug/L	**770**	
TRANS-1,2-DICHLOROETHENE	5	ug/L	<45	U

TRANS-1,3-DICHLOROPROPENE	0.4	ug/L	<19	U
TRICHLOROETHYLENE (TCE)	5	ug/L	<23	U
TRICHLOROFLUOROMETHANE	5	ug/L	<44	U
VINYL CHLORIDE	2	ug/L	<45	U
Xylenes, Total	-	ug/L	**520**	
SVOCs 8270D				
2,4,5-TRICHLOROPHENOL	1	ug/L	<2.4	U
2,4,6-TRICHLOROPHENOL	1	ug/L	<3.1	U
2,4-DICHLOROPHENOL	1	ug/L	<2.6	U
2,4-DIMETHYLPHENOL	1	ug/L	**160**	
2,4-DINITROPHENOL	1	ug/L	<11	U
2,4-DINITROTOLUENE	5	ug/L	<2.2	U
2,6-DINITROTOLUENE	5	ug/L	<2.0	U
2-CHLORONAPHTHALENE	10	ug/L	<2.3	U
2-CHLOROPHENOL	1	ug/L	<2.7	U
2-Methylnaphthalene	-	ug/L	**100**	
2-Methylphenol (O-Cresol)	1	ug/L	**220**	J
2-NITROANILINE	5	ug/L	<2.1	
2-NITROPHENOL	1	ug/L	<2.4	U
3,3'-DICHLOROBENZIDINE	5	ug/L	<2.0	U
3-NITROANILINE	5	ug/L	<2.4	U
4,6-DINITRO-2-METHYLPHENOL	1	ug/L	<11	U
4-BROMOPHENYL PHENYL ETHER	-	ug/L	<2.3	U
4-CHLORO-3-METHYLPHENOL	1	ug/L	<2.3	U
4-CHLOROANILINE	5	ug/L	<150	U
4-CHLOROPHENYL PHENYL ETHER	-	ug/L	<1.8	U
4-METHYLPHENOL (P-CRESOL)	-	ug/L	**390**	J
4-NITROANILINE	5	ug/L	**<1.3**	
4-NITROPHENOL	1	ug/L	<7.6	U
ACENAPHTHENE	20	ug/L	**20**	J
ACENAPHTHYLENE	-	ug/L	**40**	
ACETOPHENONE	-	ug/L	**46**	
ANTHRACENE	50	ug/L	<1.4	U
ATRAZINE	-	ug/L	<2.3	U
BENZALDEHYDE	-	ug/L	<1.3	U
BENZO(A)ANTHRACENE	0.002	ug/L	**7.7**	J
BENZO(A)PYRENE	-	ug/L	**6.4**	J
BENZO(B)FLUORANTHENE	0.002	ug/L	**10**	J
BENZO(G,H,I)PERYLENE	-	ug/L	**5.3**	J
BENZO(K)FLUORANTHENE	0.002	ug/L	<3.7	U
BENZYL BUTYL PHTHALATE	50	ug/L	<5.0	U
BIPHENYL (DIPHENYL)	-	ug/L	<3.3	U
BIS(2-CHLOROETHOXY) METHANE	5	ug/L	<1.8	U
BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	1	ug/L	<2.0	U
BIS(2-CHLOROISOPROPYL) ETHER	5	ug/L	<2.6	U
BIS(2-ETHYLHEXYL) PHTHALATE	5	ug/L	<11	U
CAPROLACTAM	-	ug/L	<11	U
CARBAZOLE	-	ug/L	**37**	
CHRYSENE	0.002	ug/L	**8.8**	J
DIBENZ(A,H)ANTHRACENE	-	ug/L	<2.1	U
DIBENZOFURAN	-	ug/L	**24**	J
DIETHYL PHTHALATE	50	ug/L	<1.1	U
DIMETHYL PHTHALATE	50	ug/L	<1.8	U
DI-N-BUTYL PHTHALATE	50	ug/L	<1.6	U
DI-N-OCTYLPHTHALATE	50	ug/L	<2.4	U
FLUORANTHENE	50	ug/L	**26**	

Table 2C
Secondary Contaiment IRM Workplan - Closure Sampling
Former Light Oil Area Tanks ST03, ST04, and ST05 "Bullet Tanks" Excavation Water
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

FLUORENE	50	ug/L	**27**	
HEXACHLOROBENZENE	0.04	ug/L	<2.6	U
HEXACHLOROBUTADIENE	0.5	ug/L	<3.4	U
HEXACHLOROCYCLOPENTADIENE	5	ug/L	<3.0	U
HEXACHLOROETHANE	5	ug/L	<3.0	U
INDENO(1,2,3-C,D)PYRENE	0.002	ug/L	**4.2**	J
ISOPHORONE	50	ug/L	<2.2	U
NAPHTHALENE	10	ug/L	**9900**	
NITROBENZENE	0.4	ug/L	<1.5	U
N-NITROSODI-N-PROPYLAMINE	-	ug/L	<2.7	U
N-NITROSODIPHENYLAMINE	50	ug/L	<2.6	U
PENTACHLOROPHENOL	1	ug/L	<11	U
PHENANTHRENE	50	ug/L	**38**	
PHENOL	1	ug/L	**640**	J
PYRENE	50	ug/L	**21**	J
Mercury 7470A				
MERCURY	0.0007	mg/L	**0.15**	
Nitrogen, Ammonia E350.1				
NITROGEN, AMMONIA (AS N)	2	mg/L	**12.1**	
GENERAL CHEMISTRY				
Flashpoint	<140	Deg F	>180	
pH (H)	>12.5, <2		**10.5**	HF

Qualifiers:
U - Not detected at the reported detection limit for the sample.
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B - Compound was found in the blank and sample.
HF - Analyzed outside of hold time.
Bold - Compound is detected
Red Highlight - Exceeds clas GA Ambient Water Quality Standards

Table 3C
Secondary Containment IRM Workplan - Closure Sampling
Former Light Oil Building Sub-Slab
Riverview Innovation Technlogy Campus, Inc.,
Tonawanda, New York

ANALYTE		SAMPLE ID:	FLOA-SUBSLAB-02052024	
		LAB ID:	L2406251-01	
		COLLECTION DATE:	2/5/2024	
		SAMPLE DEPTH:	1' - 4' Below Slab	
		SAMPLE MATRIX:	SOIL	
	NY-RESC (mg/kg)	NY-RESI (mg/kg)	Collected from excavated fill pile	
VOLATILE ORGANICS BY GC/MS				
1,1,1,2-Tetrachloroethane			<0.01	U
1,1,1-Trichloroethane	500	1000	<0.013	U
1,1,2,2-Tetrachloroethane			<0.013	U
1,1,2-Trichloroethane			<0.02	U
1,1-Dichloroethane	240	480	<0.011	U
1,1-Dichloroethene	500	1000	<0.018	U
1,1-Dichloropropene			<0.012	U
1,2,3-Trichlorobenzene			<0.025	U
1,2,3-Trichloropropane			<0.0098	U
1,2,4,5-Tetramethylbenzene			**1.4**	
1,2,4-Trichlorobenzene			<0.021	U
1,2,4-Trimethylbenzene	190	380	**4.9**	
1,2-Dibromo-3-chloropropane			<0.077	U
1,2-Dibromoethane			<0.021	U
1,2-Dichlorobenzene	500	1000	<0.011	U
1,2-Dichloroethane	30	60	<0.02	U
1,2-Dichloroethene, Total			<0.01	U
1,2-Dichloropropane			<0.0096	U
1,3,5-Trimethylbenzene	190	380	**2**	
1,3-Dichlorobenzene	280	560	<0.011	U
1,3-Dichloropropane			<0.013	U
1,3-Dichloropropene, Total			<0.012	U
1,4-Dichlorobenzene	130	250	<0.013	U
1,4-Dioxane	130	250	<2.7	U
2,2-Dichloropropane			<0.016	U
2-Butanone	500	1000	0.42	J
2-Hexanone			<0.091	U
4-Methyl-2-pentanone			<0.099	U
Acetone	500	1000	<0.37	U
Acrylonitrile			<0.088	U
Benzene	44	89	**17**	
Bromobenzene			<0.011	U
Bromochloromethane			<0.016	U
Bromodichloromethane			<0.0084	U
Bromoform			<0.019	U
Bromomethane			<0.045	U
Carbon disulfide			<0.35	U
Carbon tetrachloride	22	44	<0.018	U
Chlorobenzene	500	1000	<0.0098	U
Chloroethane			<0.035	U
Chloroform	350	700	<0.011	U
Chloromethane			<0.072	U
cis-1,2-Dichloroethene	500	1000	<0.013	U
cis-1,3-Dichloropropene			<0.012	U
Dibromochloromethane			<0.011	U
Dibromomethane			<0.018	U
Dichlorodifluoromethane			<0.07	U
Ethyl ether			<0.026	U

Table 3C
Secondary Containment IRM Workplan - Closure Sampling
Former Light Oil Building Sub-Slab
Riverview Innovation Technlogy Campus, Inc.,
Tonawanda, New York

ANALYTE	SAMPLE ID:		FLOA-SUBSLAB-02052024	
	LAB ID:		L2406251-01	
	COLLECTION DATE:		2/5/2024	
	SAMPLE DEPTH:		1' - 4' Below Slab	
	SAMPLE MATRIX:		SOIL	
	NY-RESC (mg/kg)	NY-RESI (mg/kg)	Collected from excavated fill pile	
Ethylbenzene	390	780	**7.7**	
Hexachlorobutadiene			<0.013	U
Isopropylbenzene			**3.6**	
Methyl tert butyl ether	500	1000	<0.015	U
Methylene chloride	500	1000	<0.18	U
n-Butylbenzene	500	1000	0.31	
n-Propylbenzene	500	1000	**1**	
Naphthalene	500	1000	**88**	
o-Chlorotoluene			<0.015	U
o-Xylene			**2**	
p-Chlorotoluene			<0.0083	U
p-Diethylbenzene			**0.45**	
p-Ethyltoluene			**3.3**	
p-Isopropyltoluene			**0.66**	
p/m-Xylene			**10**	
sec-Butylbenzene	500	1000	**0.12**	
Styrene			**0.25**	
tert-Butylbenzene	500	1000	<0.0091	U
Tetrachloroethene	150	300	<0.015	U
Toluene	500	1000	**2**	
trans-1,2-Dichloroethene	500	1000	<0.01	U
trans-1,3-Dichloropropene			<0.021	U
trans-1,4-Dichloro-2-butene			<0.11	U
Trichloroethene	200	400	<0.01	U
Trichlorofluoromethane			<0.054	U
Vinyl acetate			<0.16	U
Vinyl chloride	13	27	<0.026	U
Xylenes, Total	500	1000	**12**	
Total VOCs			**145.11**	-
SEMIVOLATILE ORGANICS BY GC/MS				
1,2,4,5-Tetrachlorobenzene			<0.024	U
1,2,4-Trichlorobenzene			<0.026	U
1,2-Dichlorobenzene	500	1000	<0.042	U
1,3-Dichlorobenzene	280	560	<0.04	U
1,4-Dichlorobenzene	130	250	<0.04	U
1,4-Dioxane	130	250	<0.011	U
2,4,5-Trichlorophenol			<0.044	U
2,4,6-Trichlorophenol			<0.044	U
2,4-Dichlorophenol			<0.037	U
2,4-Dimethylphenol			<0.076	U
2,4-Dinitrophenol			<0.11	U
2,4-Dinitrotoluene			<0.046	U
2,6-Dinitrotoluene			<0.04	U
2-Chloronaphthalene			<0.023	U
2-Chlorophenol			<0.027	U
2-Methylnaphthalene			**0.82**	
2-Methylphenol	500	1000	<0.036	U
2-Nitroaniline			<0.045	U

Table 3C
Secondary Containment IRM Workplan - Closure Sampling
Former Light Oil Building Sub-Slab
Riverview Innovation Technlogy Campus, Inc.,
Tonawanda, New York

ANALYTE			SAMPLE ID:	FLOA-SUBSLAB-02052024
			LAB ID:	L2406251-01
			COLLECTION DATE:	2/5/2024
			SAMPLE DEPTH:	1' - 4' Below Slab
			SAMPLE MATRIX:	SOIL
	NY-RESC (mg/kg)	NY-RESI (mg/kg)	Collected from excavated fill pile	
2-Nitrophenol			<0.087	U
3,3'-Dichlorobenzidine			<0.062	U
3-Methylphenol/4-Methylphenol	500	1000	**0.068**	J
3-Nitroaniline			<0.044	U
4,6-Dinitro-o-cresol			<0.11	U
4-Bromophenyl phenyl ether			<0.035	U
4-Chloroaniline			<0.042	U
4-Chlorophenyl phenyl ether			<0.025	U
4-Nitroaniline			<0.096	U
4-Nitrophenol			<0.095	U
Acenaphthene	500	1000	**0.71**	
Acenaphthylene	500	1000	**0.14**	J
Acetophenone			<0.029	U
Anthracene	500	1000	**0.6**	
Benzo(a)anthracene	5.6	11	**0.51**	
Benzo(a)pyrene	1	1.1	**0.34**	
Benzo(b)fluoranthene	5.6	11	**0.45**	
Benzo(ghi)perylene	500	1000	**0.19**	
Benzo(k)fluoranthene	56	110	**0.17**	
Benzoic Acid			<0.23	U
Benzyl Alcohol			<0.071	U
Biphenyl			**0.061**	J
Bis(2-chloroethoxy)methane			<0.023	U
Bis(2-chloroethyl)ether			<0.031	U
Bis(2-chloroisopropyl)ether			<0.04	U
Bis(2-ethylhexyl)phthalate			<0.08	U
Butyl benzyl phthalate			<0.058	U
Carbazole			**0.089**	J
Chrysene	56	110	**0.45**	
Di-n-butylphthalate			<0.044	U
Di-n-octylphthalate			<0.079	U
Dibenzo(a,h)anthracene	0.56	1.1	**0.051**	J
Dibenzofuran	350	1000	**0.3**	
Diethyl phthalate			<0.021	U
Dimethyl phthalate			<0.049	U
Fluoranthene	500	1000	**1.9**	
Fluorene	500	1000	**0.46**	
Hexachlorobenzene	6	12	<0.026	U
Hexachlorobutadiene			<0.034	U
Hexachlorocyclopentadiene			<0.21	U
Hexachloroethane			<0.038	U
Indeno(1,2,3-cd)pyrene	5.6	11	**0.22**	
Isophorone			<0.03	U
n-Nitrosodi-n-propylamine			<0.036	U
Naphthalene	500	1000	**16**	
NDPA/DPA			<0.026	U
Nitrobenzene			<0.034	U
p-Chloro-m-cresol			<0.034	U
Pentachlorophenol	6.7	55	<0.051	U

Table 3C
Secondary Containment IRM Workplan - Closure Sampling
Former Light Oil Building Sub-Slab
Riverview Innovation Technlogy Campus, Inc.,
Tonawanda, New York

ANALYTE			SAMPLE ID:	FLOA-SUBSLAB-02052024	
			LAB ID:	L2406251-01	
			COLLECTION DATE:	2/5/2024	
			SAMPLE DEPTH:	1' - 4' Below Slab	
			SAMPLE MATRIX:	SOIL	
	NY-RESC (mg/kg)	NY-RESI (mg/kg)	Collected from excavated fill pile		
Phenanthrene	500	1000	**1.6**		
Phenol	500	1000	**0.09**	J	
Pyrene	500	1000	**1.6**		
Total SVOCs			**26.819**	-	
GENERAL CHEMISTRY					
Solids, Total			**71.1**		

EPA-TCLP: EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria per 40CFR Part 261 as

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:
U - Not detected at the reported detection limit for the sample.
J - Result is less than the RL but greater than or equal to the MDL.
B - Compound was found in the blank and sample.
HF - Analyzed outside of hold time.
Bold - Compound is detected
Red Highlight - Exceeds NYS Part 375 Industrical SCOs
Green Highlight - Exceeds NYS Part 375 Commercial SCOs

Table 4C
Secondary Containment IRM Workplan - Closure Sampling
Diesel Truck Loading/Unloading Pad
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE			SAMPLE ID:	UNLOAD-01-02132024		UNLOAD-02-02132024	
			LAB REPORT:	J217087		J217087	
			COLLECTION DATE:	2/13/2024		2/13/2024	
			SAMPLE DEPTH:	2' BGS		3.5' BGS	
			LOCATION:	Beneath Diesel Truck loading/unloading pad, western side.		Beneath Diesel Truck loading/unloading pad, eastern side.	
	EPA-TCLP	Part 375 Commercial SCO	Part 375 Industrial SCO				
	(mg/l)	(mg/kg)	(mg/kg)				
VOLATILE ORGANICS BY GC/MS							
1,1,1-Trichloroethane		500	1000	<0.025	U	<0.032	U
1,1,2,2-Tetrachloroethane				<0.015	U	<0.019	U
1,1,2-Trichloro-1,2,2-trifluoroethane				<0.046	U	<0.057	U
1,1,2-Trichloroethane				<0.019	U	<0.024	U
1,1-Dichloroethane		240	480	<0.028	U	<0.035	U
1,1-Dichloroethene		500	1000	<0.032	U	<0.040	U
1,2,4-Trichlorobenzene				<0.035	U	<0.043	U
1,2-Dibromo-3-chloropropane				<0.046	U	<0.057	U
1,2-Dibromoethane				<0.016	U	<0.020	U
1,2-Dichlorobenzene		500	1000	<0.023	U	<0.029	U
1,2-Dichloroethane		30	60	<0.038	U	<0.047	U
1,2-Dichloropropane				<0.015	U	<0.019	U
1,3-Dichlorobenzene		280	560	<0.0.5	U	<0.031	U
1,4-Dichlorobenzene		130	250	<0.013	U	<0.16	U
2-Butanone (MEK)		500	1000	<0.270	U	<0.340	U
2-Hexanone				<0.190	U	<0.230	U
4-Methyl-2-pentanone				<0.029	U	<0.037	U
Acetone		500	1000	<0.380	U	<0.470	U
Benzene		44	89	**5.5**		**5.7**	
Bromodichloromethane				<0.018	U	<0.023	U
Bromoform				<0.046	U	<0.057	U
Bromomethane				<0.020	U	<0.025	U
Carbon disulfide				<0.042	U	<0.052	U
Carbon tetrachloride		22	44	<0.023	U	<0.029	U
Chlorobenzene		500	1000	<0.012	U	<0.015	U
Chloroethane				<0.019	U	<0.024	U
Chloroform		350	700	<0.063	U	<0.078	U
Chloromethane				<0.022	U	<0.027	U
cis-1,2-Dichloroethene		500	1000	<0.025	U	<0.032	U
cis-1,3-Dichloropropene				<0.022	U	<0.027	U
Cyclohexane				<0.020	U	<0.025	U
Dibromochloromethane				<0.044	U	<0.055	U
Dichlorodifluoromethane				<0.040	U	<0.050	U
Ethylbenzene		390	780	**0.16**		**0.12**	
Isopropylbenzene				**0.017**	J	**0.54**	J
p/m-Xylene				**0.06**	J	**0.56**	
Methyl Acetate				**0.32**	J	**0.13**	J
Methyl tert butyl ether		500	1000	<0.035	U	<0.043	U
Methyl cyclohexane				<0.043	U	<0.054	U
Methylene chloride		500	1000	<0.018	U	<0.023	U
o-Xylene				**0.033**	J	**0.15**	
Styrene				<0.022	U	<0.028	U
Tetrachloroethene		150	300	<0.012	U	<0.015	U
Toluene		500	1000	**0.45**		**0.28**	
trans-1,2-Dichloroethene		500	1000	<0.022	U	<0.027	U
trans-1,3-Dichloropropene				<0.009	U	<0.011	U
Trichloroethene		200	400	<0.026	U	<0.032	U
Trichlorofluoromethane				<0.043	U	<0.054	U
Vinyl chloride		13	27	<0.031	U	<0.038	U
Total VOCs				**6.54**		**7.48**	

Table 4C
Secondary Containment IRM Workplan - Closure Sampling
Diesel Truck Loading/Unloading Pad
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE			SAMPLE ID:	UNLOAD-01-02132024		UNLOAD-02-02132024	
			LAB REPORT:	J217087		J217087	
			COLLECTION DATE:	2/13/2024		2/13/2024	
			SAMPLE DEPTH:	2' BGS		3.5' BGS	
			LOCATION:	Beneath Diesel Truck loading/unloading pad, western side.		Beneath Diesel Truck loading/unloading pad, eastern side.	
	EPA-TCLP	Part 375 Commercial SCO	Part 375 Industrial SCO				
	(mg/l)	(mg/kg)	(mg/kg)				
SEMIVOLATILE ORGANICS BY GC/MS							
1,4-Dioxane		130	250	<0.430	U	<0.350	U
2,4,5-Trichlorophenol				<0.36	U	<0.300	U
2,4,6-Trichlorophenol				<0.270	U	<0.220	U
2,4-Dichlorophenol				<0.140	U	<0.120	U
2,4-Dimethylphenol				<0.320	U	<0.260	U
2,4-Dinitrophenol				<6.200	U	<5.000	U
2,4-Dinitrotoluene				<0.280	U	<0.220	U
2,6-Dinitrotoluene				<0.160	U	<0.130	U
2-Chloronaphthalene				<0.220	U	<0.180	U
2-Chlorophenol				<0.240	U	<0.200	U
2-Methylnaphthalene				**0.3**	J	<0.220	U
2-Methylphenol		500	1000	<0.200	U	**0.18**	J
2-Nitroaniline				<0.380	U	<0.160	U
2-Nitrophenol				<1.600	U	<0.310	U
3,3'-Dichlorobenzidine				<0.370	U	<1.300	U
3-Nitroaniline				<1.300	U	<0.300	U
4,6-Dinitro-2-methylphenol				<0.190	U	<1.100	U
4-Bromophenyl phenyl ether				<0.330	U	<0.150	U
4-Chloro-3-methylphenol				<0.330	U	<0.270	U
4-Chloroaniline				<0.170	U	<0.270	U
4-Chlorophenyl phenyl ether				**0.58**	J	<0.130	U
3-Methylphenol/4-Methylphenol		500	1000	**<0.700**		**0.38**	J
4-Nitroaniline				<0.940	U	<0.570	U
4-Nitrophenol				<0.200	U	<0.760	U
Acenaphthene		500	1000	<0.200	U	<0.160	U
Acenaphthylene		500	1000	**0.71**	J	**0.39**	J
Acetophenone				<0.180	U	<0.150	U
Anthracene		500	1000	**0.51**	J	**0.27**	J
Atrazine				<0.460	U	<0.380	U
Benzaldehyde				<1.100	U	<0.870	U
Benzo(a)anthracene		5.6	11	**0.97**	J	**0.59**	J
Benzo(a)pyrene		1	1.1	**1.1**	J	**0.62**	J
Benzo(b)fluoranthene		5.6	11	**1.5**		**0.92**	J
Benzo(ghi)perylene		500	1000	**0.56**	J	**0.38**	J
Benzo(k)fluoranthene		56	110	**0.62**	J	**0.32**	J
Biphenyl				<0.200	U	<0.160	U
Bis(2-chloroisopropyl)ether				<0.270	U	<0.220	U
Bis(2-chloroethoxy)methane				<0.280	U	<0.230	U
Bis(2-chloroethyl)ether				<0.170	U	<0.140	U
Bis(2-ethylhexyl)phthalate				<0.460	U	<0.370	U
Butyl benzyl phthalate				<0.220	U	<0.180	U
Caprolactam				<0.400	U	<0.330	U
Carbazole				<0.160	U	<0.130	U
Chrysene		56	110	**1**	J	**0.6**	J
Dibenzo(a,h)anthracene		0.56	1.1	<0.240	U	<0.190	U
Dibenzofuran		350	1000	**0.2**	J	**0.13**	J
Diethyl phthalate				<0.170	U	<0.140	U
Dimethyl phthalate				<0.160	U	<0.130	U
Di-n-butylphthalate				<0.230	U	<0.190	U
Di-n-octylphthalate				<0.160	U	<0.130	U
Fluoranthene		500	1000	**2**		**1.2**	

Table 4C
Secondary Containment IRM Workplan - Closure Sampling
Diesel Truck Loading/Unloading Pad
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE				SAMPLE ID:		UNLOAD-01-02132024		UNLOAD-02-02132024	
				LAB REPORT:		J217087		J217087	
				COLLECTION DATE:		2/13/2024		2/13/2024	
				SAMPLE DEPTH:		2' BGS		3.5' BGS	
				LOCATION:		Beneath Diesel Truck loading/unloading pad, western side.		Beneath Diesel Truck loading/unloading pad, eastern side.	
	EPA-TCLP	Part 375 Commercial SCO	Part 375 Industrial SCO						
	(mg/l)	(mg/kg)	(mg/kg)						
Fluorene		500	1000	**0.32**	J	**0.2**	J		
Hexachlorobenzene		6	12	<0.180	U	<0.150	U		
Hexachlorobutadiene				<0.200	U	<0.160	U		
Hexachlorocyclopentadiene				<0.180	U	<0.150	U		
Hexachloroethane				<0.170	U	<0.140	U		
Indeno(1,2,3-cd)pyrene		5.6	11	**0.48**	J	**0.32**	J		
Isophorone				<0.280	U	<0.230	U		
Naphthalene		500	1000	**2.1**		**1.5**			
Nitrobenzene				<0.150	U	<0.120	U		
n-Nitrosodi-n-propylamine				<0.230	U	<0.190	U		
n-Nitrosodiphenylamine				<1.100	U	<0.890	U		
Pentachlorophenol		6.7	55	<1.300	U	<1.100	U		
Phenanthrene		500	1000	**1**	J	**0.59**	J		
Phenol		500	1000	**0.33**	J	**0.24**	J		
Pyrene		500	1000	**1.7**		**0.99**	J		
Total SVOCs				**15.98**		**9.82**			
MERCURY, TOTAL									
Mercury, Total		2.8	5.7	**0.54**		**2.9**			
GENERAL CHEMISTRY									
Cyanide, Reactive				<9.6	U	<9.7			
Sulfide, Reactive				<9.6	U	**155**			
Ignitability (Degrees F)	<140			>180		>180			
pH (H)	>12.5, <2			**10.3**	HF	**8.6**	HF		
Ammonia, as N				**8.3**		**31.7**			
Solids, Total				**62.1**		**75.9**			
TCLP VOLATILES BY EPA 1311									
1,1-Dichloroethene	0.7	500	1000	<0.0029	U	<0.0029	U		
1,2-Dichloroethane	0.5	30	60	<0.0021	U	<0.0021	U		
2-Butanone	200	500	1000	<0.013	U	<0.013	U		
Benzene	0.5	44	89	**0.044**		**0.042**			
Carbon tetrachloride	0.5	22	44	<0.0027	U	<0.0027	U		
Chlorobenzene	100	500	1000	<0.0075	U	<0.0075	U		
Chloroform	6	350	700	<0.0034	U	<0.0034	U		
Tetrachloroethene	0.7	150	300	<0.0036	U	<0.0036	U		
Trichloroethene	0.5	200	400	<0.0046	U	<0.0046	U		
Vinyl chloride	0.2	13	27	<0.0090	U	<0.0090	U		
SUM				**0.044**		**0.042**			

Table 4C
Secondary Containment IRM Workplan - Closure Sampling
Diesel Truck Loading/Unloading Pad
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE				SAMPLE ID:		UNLOAD-02-02132024	
				LAB REPORT:		J217087	
				COLLECTION DATE:		2/13/2024	
				SAMPLE DEPTH:		2' BGS	
				LOCATION:		Beneath Diesel Truck loading/unloading pad, western side.	
	EPA-TCLP	Part 375 Commercial SCO	Part 375 Industrial SCO			Beneath Diesel Truck loading/unloading pad, eastern side.	
	(mg/l)	(mg/kg)	(mg/kg)				
TCLP SEMIVOLATILES BY EPA 1311							
2,4,5-Trichlorophenol	400			<0.0019	U	<0.0018	U
2,4,6-Trichlorophenol	2			<0.0024	U	<0.0019	U
2,4-Dinitrotoluene	0.13			<0.0017	U	<0.0024	U
2-Methylphenol	200	500	1000	<0.0016	U	**0.0029**	J
3-Methylphenol	200	500	1000	<0.0016	U	**0.0043**	J
4-Methylphenol	200			<0.0014	U	**0.0043**	J
Hexachlorobenzene	0.13	6	12	<0.0020	U	<0.0020	U
Hexachlorobutadiene	0.5			<0.0027	U	<0.0027	U
Hexachloroethane	3			<0.0023	U	<0.0023	U
Nitrobenzene	2			<0.0011	U	<00011	U
Pentachlorophenol	100	6.7	55	<0.0088	U	<0.0088	U
Pyridine	5			<0.0016	U	<0.0016	U
SUM				-			
TCLP METALS BY EPA 1311							
Arsenic, TCLP	5			**0.039**	U	<0.0056	U
Barium, TCLP	100			**0.29**	J	**0.61**	J
Cadmium, TCLP	1			<0.00050	U	**0.00075**	J
Chromium, TCLP	5			<0.010	U	<0.010	U
Lead, TCLP	5			**0.0052**	J	**0.048**	
Mercury, TCLP	0.2			<0.000043	U	<0.000043	U
Selenium, TCLP	1			<0.0087	U	<0.0087	U
Silver, TCLP	5			<0.0017	U	<0.0017	U
TCLP PESTICIDES BY EPA 1311							
Chlordane	0.03			<0.000029	U	<0.000029	U
Endrin	0.02	89	410	<0.000014	U	<0.000014	U
Lindane	0.4	9.2	23	<0.0000060	U	**0.000058**	J
Heptachlor	0.008	15	29	<0.0000085	U	<0.0000085	U
Heptachlor epoxide	0.008			<0.0000053	U	<0.0000053	U
Methoxychlor	10			<0.000014	U	<0.000014	U
Toxaphene	0.5			<0.00012	U	<0.00012	U
TCLP HERBICIDES BY EPA 1311							
2,4,5-TP (Silvex)	1	500	1000	<0.00040	U	<0.00040	U
2,4-D	10			<0.00036	U	<0.00036	U

* Comparison is not performed on parameters with non-numeric criteria.
EPA-TCLP: EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria per 40CFR Part 261 as of September 10, 2015.
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:
U - Not detected at the reported detection limit for the sample.
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B - Compound was found in the blank and sample.
HF - Analyzed outside of hold time.
Bold - Compound is detected
Red Highlight - Exceeds NYS Part 375 Industrical SCOs

Table 4C
Secondary Containment IRM Workplan - Closure Sampling
Diesel Truck Loading/Unloading Pad
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE				SAMPLE ID:	UNLOAD-01-02132024	UNLOAD-02-02132024
				LAB REPORT:	J217087	J217087
				COLLECTION DATE:	2/13/2024	2/13/2024
				SAMPLE DEPTH:	2' BGS	3.5' BGS
				LOCATION:	Beneath Diesel Truck loading/unloading pad, western side.	Beneath Diesel Truck loading/unloading pad, eastern side.
	EPA-TCLP	Part 375 Commercial SCO	Part 375 Industrial SCO			
	(mg/l)	(mg/kg)	(mg/kg)			

Green Highlight - Exceeds NYS Part 375 Commercial SCOs
Yellow Highlight - Exceeds EPA Toxicity Characteristic Regulatory Levels

Table 5C
Secondary Containment IRM Work Plan - Closure Sampling
Light Oil area Tanks PT04, PT12, and PT13
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE				SAMPLE ID:		LOA-01-01262024		LOA-02-01262024		LOA-03-01262024		LOA-04-01262024		LOA-05-01262024		LOA-06-01262024		LOA-07-01262024	
				LAB REPORT:		480-216689		480-216689		480-216689		480-216689		480-216689		480-216689		480-216689	
				COLLECTION DATE:		1/26/2024		1/26/2024		1/26/2024		1/26/2024		1/26/2024		1/26/2024		1/26/2024	
				SAMPLE DEPTH:		6.5' BGS		7.7' BGS		4.25' BGS		3.0' BGS		3.0' BGS		4.25' BGS		3' BGS	
				LOCATION:		Northwest corner, under former BCP-10 North, Light Oil Building.		North-Center, under former chillers.		North-Center, under west end of former Tank PT-04.		Northeast corner, under east end of former Tank PT-04.		Southern boundary of containment.		South-center, under former Tank PT-12.		Southeast corner, under east end of former Tank PT-13.	
	EPA-TCLP	Part 375 Commercial SCO	Part 375 Industrial SCO																
	(mg/l)	(mg/kg)	(mg/kg)																
VOLATILE ORGANICS BY GC/MS																			
1,1,1-Trichloroethane		500	1000	<0.69	U	<0.550	U	<1.300	U	<1.100	U	<3.600	U	<1.500	U	<1.200	U		
1,1,2,2-Tetrachloroethane				<0.41	U	<0.330	U	<0.730	U	<0.660	U	<2.100	U	<0.880	U	<0.680	U		
1,1,2-Trichloro-1,2,2-trifluoroethane				<1.3	U	<1.00	U	<2.300	U	<2.000	U	<6.400	U	<2.700	U	<2.100	U		
1,1,2-Trichloroethane				<0.53	U	<0.420	U	<0.950	U	<0.860	U	<2.700	U	<1.100	U	<0.880	U		
1,1-Dichloroethane		240	480	<0.77	U	<0.620	U	<1.400	U	<1.300	U	<4.000	U	<1.700	U	<1.300	U		
1,1-Dichloroethene		500	1000	<0.87	U	<0.690	U	<1.600	U	<1.400	U	<4.400	U	<1.900	U	<1.400	U		
1,2,4-Trichlorobenzene				<0.95	U	<0.760	U	<1.700	U	<1.500	U	<4.900	U	<2.100	U	<1.600	U		
1,2-Dibromo-3-chloropropane				<1.3	U	<1.000	U	<2.300	U	<2.000	U	<6.400	U	<2.700	U	<2.100	U		
1,2-Dibromoethane				<0.44	U	<0.350	U	<0.790	U	<0.710	U	<2.200	U	<0.950	U	<0.730	U		
1,2-Dichlorobenzene		500	1000	<0.64	U	<0.510	U	<1.200	U	<1.000	U	<3.300	U	<1.400	U	<1.100	U		
1,2-Dichloroethane		30	60	<1.0	U	<0.820	U	<1.800	U	<1.700	U	<5.300	U	<2.200	U	<1.700	U		
1,2-Dichloropropane				<0.41	U	<0.320	U	<0.730	U	<0.660	U	<2.100	U	<0.880	U	<0.680	U		
1,3-Dichlorobenzene		280	560	<0.67	U	<0.530	U	<1.200	U	<1.100	U	<3.400	U	<1.400	U	<1.100	U		
1,4-Dichlorobenzene		130	250	<0.35	U	<0.280	U	<0.630	U	<0.570	U	<1.800	U	<0.760	U	<0.500	U		
2-Butanone (MEK)		500	1000	<7.4	U	<5.900	U	<13.000	U	<12.000	U	<38.000	U	<16.000	U	<12.000	U		
2-Hexanone				<5.1	U	<4.100	U	<9.300	U	<8.400	U	<26.000	U	<11.000	U	<8.600	U		
4-Methyl-2-pentanone				<0.8	U	<0.640	U	<1.400	U	<1.300	U	<4.100	U	<1.700	U	<1.300	U		
Acetone		500	1000	<10	U	<8.200	U	<19.000	U	<17.000	U	<53.000	U	<22.000	U	<17.000	U		
Benzene		44	89	**91**		**79**		**64**		**13**		**360**		**26**		**30**			
Bromodichloromethane				<0.5	U	<0.400	U	<0.900	U	<0.820	U	<2.600	U	<1.100	U	<0.840	U		
Bromoform				<1.3	U	<1.000	U	<2.300	U	<2.000	U	<6.400	U	<2.700	U	<2.100	U		
Bromomethane				<0.55	U	<0.440	U	<0.990	U	<0.900	U	<2.800	U	<1.200	U	<0.920	U		
Carbon disulfide				<1.1	U	<0.910	U	<2.100	U	<1.900	U	<5.800	U	<2.500	U	<1.900	U		
Carbon tetrachloride		22	44	<0.64	U	<0.510	U	<1.200	U	<1.000	U	<3.300	U	<1.400	U	<1.100	U		
Chlorobenzene		500	1000	<0.33	U	<0.260	U	<0.600	U	<0.540	U	<1.700	U	<0.720	U	<0.550	U		
Chloroethane				<0.52	U	<0.420	U	<0.940	U	<0.850	U	<2.700	U	<1.100	U	<0.870	U		
Chloroform		350	700	<1.7	U	<1.400	U	<3.100	U	<2.800	U	<8.800	U	<3.700	U	<2.900	U		
Chloromethane				<0.6	U	<0.480	U	<1.100	U	<0.970	U	<3.100	U	<1.300	U	<0.990	U		
cis-1,2-Dichloroethene		500	1000	<0.69	U	<0.550	U	<1.200	U	<1.100	U	<3.500	U	<1.500	U	<1.200	U		
cis-1,3-Dichloropropene				<0.6	U	<0.480	U	<1.100	U	<0.980	U	<3.100	U	<1.300	U	<1.000	U		
Cyclohexane				<0.56	U	<0.440	U	<1.000	U	<0.910	U	<2.800	U	<1.200	U	<0.930	U		
Dibromochloromethane				<1.2	U	<0.970	U	<2.200	U	<2.000	U	<6.200	U	<2.600	U	<2.000	U		
Dichlorodifluoromethane				<1.1	U	<0.870	U	<2.000	U	<1.800	U	<5.600	U	<2.400	U	<1.800	U		
Ethylbenzene		390	780	**18**		**11**		**9.3**		**2.2**	J	**21**		**2.5**	J	**13**			
Isopropylbenzene				**0.6**	J	<0.300	U	<0.680	U	<0.610	U	<1.900	U	<0.810	U	<0.630	U		
p/m-Xylene				**52**		**49**		**14**		**7.8**	J	**180**		**7.7**	J	**27**			
Methyl Acetate				<1.2	U	<0.950	U	<2.200	U	<1.900	U	<6.100	U	<2.600	U	<2.000	U		
Methyl tert butyl ether		500	1000	<0.95	U	<0.760	U	<1.700	U	<1.500	U	<4.900	U	<2.000	U	<1.600	U		
Methyl cyclohexane				<1.2	U	<0.940	U	<2.100	U	<1.900	U	<6.000	U	<2.500	U	<2.000	U		
Methylene chloride		500	1000	<500	U	<0.400	U	<0.900	U	<0.810	U	<2.500	U	<1.100	U	<0.830	U		
o-Xylene				**11**		**11**		**3.5**	J	**2**	J	**41**		**1.9**	J	**7.4**			
Styrene				**5**		**12**		<1.100	U	**1.1**	J	**41**		<1.300	U	**1.3**	J		
Tetrachloroethene		150	300	<0.34	U	<0.270	U	<0.610	U	<0.550	U	**3.5**	J	<0.730	U	<0.560	U		
Toluene		500	1000	**57**		**84**		**13**		**11**		**350**		**13**		**10**			
trans-1,2-Dichloroethene		500	1000	<0.59	U	<0.470	U	<1.100	U	<0.960	U	<3.000	U	<1.300	U	<0.990	U		
trans-1,3-Dichloropropene				<0.25	U	<0.200	U	<0.440	U	<0.400	U	<1.300	U	<0.530	U	<0.410	U		
Trichloroethene		200	400	<0.7	U	<0.560	U	<1.300	U	<1.100	U	<3.600	U	<1.500	U	<1.200	U		

Table 5C
Secondary Containment IRM Work Plan - Closure Sampling
Light Oil area Tanks PT04, PT12, and PT13
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE	EPA-TCLP (mg/l)	Part 375 Commercial SCO (mg/kg)	Part 375 Industrial SCO (mg/kg)	SAMPLE ID:	LOA-01-01262024		LOA-02-01262024		LOA-03-01262024		LOA-04-01262024		LOA-05-01262024		LOA-06-01262024		LOA-07-01262024	
				LAB REPORT:	480-216689		480-216689		480-216689		480-216689		480-216689		480-216689		480-216689	
				COLLECTION DATE:	1/26/2024		1/26/2024		1/26/2024		1/26/2024		1/26/2024		1/26/2024		1/26/2024	
				SAMPLE DEPTH:	6.5' BGS		7.7' BGS		4.25' BGS		3.0' BGS		3.0' BGS		4.25' BGS		3' BGS	
				LOCATION:	Northwest corner, under former BCP-10 North, Light Oil Building.		North-Center, under former chillers.		North-Center, under west end of former Tank PT-04.		Northeast corner, under east end of former Tank PT-04.		Southern boundary of containment.		South-center, under former Tank PT-12.		Southeast corner, under east end of former Tank PT-13.	
Trichlorofluoromethane					<1.2	U	<0.940	U	<2.100	U	<1.900	U	<6.000	U	<2.500	U	<2.000	U
Vinyl chloride		13	27		<0.84	U	<0.670	U	<1.500	U	<1.400	U	<4.300	U	<1.800	U	<1.400	U
Total VOCs					**234.6**		**246.0**		**103.8**		**37.1**		**996.5**		**51.1**		**88.7**	
SEMIVOLATILE ORGANICS BY GC/MS																		
1,4-Dioxane		130	250		<0.075	U	<0.650	U	<0.070	U	<0.310	U	<0.700	U	<0.075	U	<0.650	U
2,4,5-Trichlorophenol					<0.063	U	<0.540	U	<0.058	U	<0.260	U	<0.590	U	<0.063	U	<0.540	U
2,4,6-Trichlorophenol					<0.046	U	<0.400	U	<0.043	U	<0.190	U	<0.430	U	<0.046	U	<0.400	U
2,4-Dichlorophenol					<0.024	U	<0.210	U	<0.023	U	<0.100	U	<.0230	U	<0.025	U	<0.210	U
2,4-Dimethylphenol					**0.15**	J	<0.490	U	<0.052	U	<0.230	U	<0.520	U	**0.084**	J	<0.480	U
2,4-Dinitrophenol					<1.1	U	<9.300	U	<0.990	U	<4.500	U	<10.000	U	<1.100	U	<9.300	U
2,4-Dinitrotoluene					<0.048	U	<0.410	U	<0.044	U	<0.200	U	<0.450	U	<0.046	U	<0.410	U
2,6-Dinitrotoluene					<0.027	U	<0.240	U	<0.025	U	<0.110	U	<0.250	U	<0.027	U	<0.240	U
2-Chloronaphthalene					<0.038	U	<0.330	U	<0.035	U	<0.160	U	<0.360	U	<0.038	U	<0.330	U
2-Chlorophenol					<0.042	U	<0.370	U	<0.039	U	<0.180	U	<0.390	U	<0.042	U	<0.370	U
2-Methylnaphthalene					**2.5**		**19**		**7.8**		**6.6**		**16**		**1.9**		**10**	
2-Methylphenol		500	1000		**15**	J	<0.240	U	**0.1**	J	<0.110	U	<0.250	U	**0.12**	J	<0.240	U
2-Nitroaniline					<0.034	U	<0.300	U	<0.032	U	<0.140	U	<0.320	U	<0.034	U	<0.290	U
2-Nitrophenol					<0.065	U	<0.570	U	<0.061	U	<0.270	U	<0.610	U	<0.065	U	<0.570	U
3,3'-Dichlorobenzidine					<0.27	U	<2.400	U	<0.250	U	<1.100	U	<2.500	U	<0.270	U	<2.400	U
3-Nitroaniline					<0.064	U	<0.560	U	<0.060	U	<0.270	U	<0.600	U	<0.064	U	<0.550	U
4,6-Dinitro-2-methylphenol					<0.230	U	<2.000	U	<0.220	U	<0.970	U	<2.200	U	<0.230	U	<2.000	U
4-Bromophenyl phenyl ether					<0.033	U	<0.280	U	<0.030	U	<0.140	U	<0.310	U	<0.033	U	<0.280	U
4-Chloro-3-methylphenol					<0.057	U	<0.500	U	<0.053	U	<0.240	U	<0.530	U	<0.057	U	<0.500	U
4-Chloroaniline					<0.057	U	<0.500	U	<0.053	U	<0.240	U	<0.530	U	<0.057	U	<0.500	U
4-Chlorophenyl phenyl ether					<0.029	U	<0.250	U	<0.027	U	<0.120	U	<0.270	U	<0.029	U	<0.250	U
3-Methylphenol/4-Methylphenol		500	1000		**0.31**	J	**0.37**	J	**0.16**	J	**0.28**	J	**0.47**	J	**0.23**	J	<0.240	U
4-Nitroaniline					<0.120	U	<1.100	U	<0.110	U	<0.510	U	<1.100	U	<0.120	U	<1.100	U
4-Nitrophenol					<0.160	U	<1.400	U	<0.150	U	<0.680	U	<1.500	U	<0.160	U	<1.400	U
Acenaphthene		500	1000		**1.2**		**11**		**4.9**		**2.8**		**2.3**		**1**		**5.7**	
Acenaphthylene		500	1000		**1.3**		**6.5**		**2.1**		**2.6**		**8.5**		**1**		**3.4**	
Acetophenone					**0.041**	J	<0.270	U	**0.06**	J	<0.130	U	<0.290	U	<0.031	U	<0.270	U
Anthracene		500	1000		**0.85**		**4.5**		**2.2**		**1.7**		**5.2**		**0.7**		**1.6**	J
Atrazine					<0.080	U	<0.700	U	<0.075	U	<0.340	U	<0.750	U	<0.080	U	<0.700	U
Benzaldehyde					<0.180	U	<1.600	U	<0.170	U	<0.770	U	<1.700	U	<0.180	U	<1.600	U
Benzo(a)anthracene		5.6	11		**2**		**9.1**		**3.6**		**3.7**		**7.4**		**1.3**		**3.7**	
Benzo(a)pyrene		1	1.1		**1.5**		**6.3**		**2.7**		**2.8**		**6.7**		**1**		**2.8**	
Benzo(b)fluoranthene		5.6	11		**2**		**9**		**3.5**		**4**		**9.1**		**1.4**		**4**	
Benzo(ghi)perylene		500	1000		**0.68**		**3.3**		**1.3**		**1.4**		**3.7**		**0.53**		**1.6**	J
Benzo(k)fluoranthene		56	110		**1**		**5.3**		**2**		**2.1**		**3**		**0.66**		**2.2**	
Biphenyl					**0.35**		**2.2**		**0.99**		**0.69**	J	**2**	J	**0.25**		**1.1**	J
Bis(2-chloroisopropyl)ether					<0.046	U	<0.400	U	<0.043	U	<0.190	U	<0.430	U	<0.046	U	<0.400	U
Bis(2-chloroethoxy)methane					<0.049	U	<0.430	U	<0.046	U	<0.210	U	<0.460	U	<0.049	U	<0.420	U
Bis(2-chloroethyl)ether					<0.030	U	<0.260	U	<0.028	U	<0.130	U	<0.280	U	<0.030	U	<0.260	U
Bis(2-ethylhexyl)phthalate					<0.079	U	<0.690	U	<0.073	U	<0.330	U	<0.740	U	<0.079	U	<0.680	U
Butyl benzyl phthalate					<0.038	U	<0.330	U	<0.035	U	<0.160	U	<0.360	U	<0.038	U	<0.330	U
Caprolactam					<0.069	U	<0.600	U	<0.065	U	<0.290	U	<0.650	U	<0.070	U	<0.600	U
Carbazole					**0.49**		**1.9**	J	**0.75**		**0.68**	J	**2**	J	**0.23**		**0.81**	J

Table 5C
Secondary Containment IRM Work Plan - Closure Sampling
Light Oil area Tanks PT04, PT12, and PT13
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE			SAMPLE ID:	LOA-01-01262024		LOA-02-01262024		LOA-03-01262024		LOA-04-01262024		LOA-05-01262024		LOA-06-01262024		LOA-07-01262024	
			LAB REPORT:	480-216689		480-216689		480-216689		480-216689		480-216689		480-216689		480-216689	
			COLLECTION DATE:	1/26/2024		1/26/2024		1/26/2024		1/26/2024		1/26/2024		1/26/2024		1/26/2024	
			SAMPLE DEPTH:	6.5' BGS		7.7' BGS		4.25' BGS		3.0' BGS		3.0' BGS		4.25' BGS		3' BGS	
			LOCATION:	Northwest corner, under former BCP-10 North, Light Oil Building.		North-Center, under former chillers.		North-Center, under west end of former Tank PT-04.		Northeast corner, under east end of former Tank PT-04.		Southern boundary of containment.		South-center, under former Tank PT-12.		Southeast corner, under east end of former Tank PT-13.	
	EPA-TCLP	Part 375 Commercial SCO	Part 375 Industrial SCO														
	(mg/l)	(mg/kg)	(mg/kg)														
Chrysene		56	110	**1.9**		**9.9**		**3.8**		**4**		**7.8**		**1.3**		**4.1**	
Dibenzo(a,h)anthracene		0.56	1.1	**0.25**		**1.4**	J	**0.53**		**0.53**	J	**1.1**	J	**0.19**	J	**0.54**	J
Dibenzofuran		350	1000	**0.92**		**6.3**		**2.8**		**1.9**		**4.7**		**0.65**		**2.7**	
Diethyl phthalate				<0.030	U	<0.260	U	<0.028	U	<0.130	U	<0.290	U	<0.030	U	<0.260	U
Dimethyl phthalate				<0.027	U	<0.240	U	<0.025	U	<0.110	U	<0.320	U	<0.027	U	<0.240	U
Di-n-butylphthalate				<0039	U	<0.340	U	<0.037	U	<0.170	U	<0.290	U	<0.040	U	<0.340	U
Di-n-octylphthalate				<0.027	U	<0.240	U	<0.025	U	<0.110	U	<0.280	U	<0.027	U	<0.240	U
Fluoranthene		500	1000	**5.2**		**25**		**8.4**		**9.7**		**22**		**3.5**		**10**	
Fluorene		500	1000	**1.3**		**7.9**		**3.8**		**2.7**		**6.6**		**0.95**		**3.3**	
Hexachlorobenzene		6	12	<0.031	U	<0.270	U	<0.029	U	<0.130	U	<0.290	U	<0.031	U	<0.270	U
Hexachlorobutadiene				<0.034	U	<0.300	U	<0.032	U	<0.140	U	<0.320	U	<0.034	U	<0.290	U
Hexachlorocyclopentadiene				<0.031	U	<0.270	U	<0.029	U	<0.130	U	<0.290	U	<0.031	U	<0.270	U
Hexachloroethane				<0.030	U	<0.260	U	<0.028	U	<0.130	U	<0.280	U	<0.030	U	<0.260	U
Indeno(1,2,3-cd)pyrene		5.6	11	**0.72**		**3.6**		**1.4**		**1.6**		**3.7**		**0.57**		**1.6**	J
Isophorone				<0.049	U	<0.430	U	<0.046	U	<0.210	U	<0.460	U	<0.049	U	<0.420	U
Naphthalene		500	1000	**24**		**150**		**48**		**53**		**450**		**16**		**96**	
Nitrobenzene				<0.026	U	<0.220	U	<0.024	U	<0.110	U	<0.240	U	<0.026	U	<0.220	U
n-Nitrosodi-n-propylamine				<0.039	U	<0.340	U	<0.037	U	<0.170	U	<0.370	U	<0.040	U	<0.340	U
n-Nitrosodiphenylamine				<0.19	U	<1.600	U	<0.170	U	<0.790	U	<1.800	U	<0.190	U	<1.600	U
Pentachlorophenol		6.7	55	<0.23	U	<2.000	U	<0.220	U	<0.970	U	<2.200	U	<0.230	U	<2.000	U
Phenanthrene		500	1000	**3.3**		**16**		**7.2**		**6.3**		**22**		**2.6**		**6**	
Phenol		500	1000	**0.59**		**0.52**	J	**0.2**	J	**0.52**	J	**0.58**	J	**0.32**		<0.310	U
Pyrene		500	1000	**3.1**		**14**		**5.4**		**6**		**14**		**2**		**6.3**	
Total SVOCs				**70.65**		**313.1**		**113.69**		**115.60**		**598.85**		**38.48**		**167.45**	
MERCURY, TOTAL																	
Mercury, Total		2.8	5.7	**7.7**		**15.1**		**4.6**		**6.7**		**7.6**		**4.6**		**4.3**	
GENERAL CHEMISTRY																	
Cyanide, Reactive				<9.5	U	<9.6	U	<9.4	U	<9.3	U	<9.2		<9.3	U	<9.2	U
Sulfide, Reactive				**133**		<9.6	U	**94.3**		<9.3	U	**55.3**		**93.2**		**92.5**	
Ignitability (Degrees F)	<140			>180		>180		>180		>180		>180		>180		>180	
pH (H)	>12.5, <2			**10.1**	HF	**11.3**	HF	**10.6**		**11.7**		**11.1**	HF	**9.7**	HF	**10.3**	
Ammonia, as N				**198**		**257**		**255**		**22.3**		**159**		**171**		**231**	
Cyanide, Total		27	10000	**16.5**		**10.4**		**5**		**7.4**		**2.3**		**1.6**		**11.2**	
Solids, Total				**72.3**		**83.1**		**78.7**		**85.8**		**77.2**		**72.1**		**82.3**	
TCLP VOLATILES BY EPA 1311																	
1,1-Dichloroethene	0.7	500	1000	<0.0029	U	<0.0029	U	<0.0029	U	<0.0029	U	<0.0029	U	<0.0029	U	<0.0029	U
1,2-Dichloroethane	0.5	30	60	<0.0021	U	<0.0021	U	<0.0021	U	<0.0021	U	<0.0021	U	<0.0021	U	<0.0021	U
2-Butanone	200	500	1000	<0.013	U	<0.013	U	<0.013	U	<0.013	U	<0.013	U	<0.013	U	<0.013	U
Benzene	0.5	44	89	**1.0**		**0.95**		**0.4**		**0.17**		**1.5**		**0.13**		**0.37**	
Carbon tetrachloride	0.5	22	44	<0.0027	U	<0.0027	U	<0.0027	U	<0.0027	U	<0.0027	U	<0.0027	U	<0.0027	U
Chlorobenzene	100	500	1000	<0.0075	U	<0.0075	U	<0.0075	U	<0.0075	U	<0.0075	U	<0.0075	U	<0.0075	U
Chloroform	6	350	700	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U
Tetrachloroethene	0.7	150	300	<0.0036	U	<0.0036	U	<0.0036	U	<0.0036	U	**0.017**		<0.0036	U	<0.0036	U
Trichloroethene	0.5	200	400	<0.0046	U	<0.0046	U	<0.0046	U	<0.0046	U	<0.0046	U	<0.0046	U	<0.0046	U
Vinyl chloride	0.2	13	27	<0.0090	U	<0.0090	U	<0.0090	U	<0.0090	U	<0.0090	U	<0.0090	U	<0.0090	U

Table 5C
Secondary Containment IRM Work Plan - Closure Sampling
Light Oil area Tanks PT04, PT12, and PT13
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE				SAMPLE ID:		LOA-01-01262024		LOA-02-01262024		LOA-03-01262024		LOA-04-01262024		LOA-05-01262024		LOA-06-01262024		LOA-07-01262024	
				LAB REPORT:		480-216689		480-216689		480-216689		480-216689		480-216689		480-216689		480-216689	
				COLLECTION DATE:		1/26/2024		1/26/2024		1/26/2024		1/26/2024		1/26/2024		1/26/2024		1/26/2024	
				SAMPLE DEPTH:		6.5' BGS		7.7' BGS		4.25' BGS		3.0' BGS		3.0' BGS		4.25' BGS		3' BGS	
				LOCATION:		Northwest corner, under former BCP-10 North, Light Oil Building.		North-Center, under former chillers.		North-Center, under west end of former Tank PT-04.		Northeast corner, under east end of former Tank PT-04.		Southern boundary of containment.		South-center, under former Tank PT-12.		Southeast corner, under east end of former Tank PT-13.	
	EPA-TCLP	Part 375 Commercial SCO	Part 375 Industrial SCO																
	(mg/l)	(mg/kg)	(mg/kg)																
SUM						**1.0**		**0.95**		**0.4**		**0.17**		**1.5**		**0.13**		**0.37**	
TCLP SEMIVOLATILES BY EPA 1311																			
2,4,5-Trichlorophenol	400					<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2,4,6-Trichlorophenol	2					<0.0024	U	<0.0024	U	<0.0024	U	<0.0024	U	<0.0024	U	<0.0024	U	<0.0024	U
2,4-Dinitrotoluene	0.13					<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U
2-Methylphenol	200	500	1000			**0.022**	J	**0.015**	J	**0.0072**	J	**0.0061**	J	**0.076**		**0.011**	J	**0.0061**	J
3-Methylphenol	200	500	1000			**0.034**	J	**0.028**	J	**0.011**	J	**0.014**	J	**0.12**		**0.02**	J	**0.0065**	J
4-Methylphenol	200					**0.034**	J	**0.028**	J	**0.011**	J	**0.014**	J	**0.12**		**0.02**	J	**0.0065**	J
Hexachlorobenzene	0.13	6	12			<0.0020	U	<0.0020	U	<0.0020	U	<0.0020	U	<0.0020	U	<0.0020	U	<0.0020	U
Hexachlorobutadiene	0.5					<0.0027	U	<0.0027	U	<0.0027	U	<0.0027	U	<0.0027	U	<0.0027	U	<0.0027	U
Hexachloroethane	3					<0.0023	U	<0.0023	U	<0.0023	U	<0.0023	U	<0.0023	U	<0.0023	U	<0.0023	U
Nitrobenzene	2					<0.0011	U	<0.0011	U	<0.0011	U	<0.0011	U	<0.0011	U	<0.0011	U	<0.0011	U
Pentachlorophenol	100	6.7	55			<0.0088	U	<0.0088	U	<0.0088	U	<0.0088	U	<0.0088	U	<0.0088	U	<0.0088	U
Pyridine	5					<0.0016	U	<0.0016	U	**0.0024**	J	<0.0016	U	<0.0016	U	<0.0016	U	<0.0016	U
SUM						**0.0900**		**0.0710**		**0.0316**		**0.0341**		**0.316**		**0.051**		**0.0191**	
TCLP METALS BY EPA 1311																			
Arsenic, TCLP	5					<0.0056	U	<0.0056	U	<0.0056	U	**0.006**	J	<0.0056	U	**0.0056**	J	<0.0056	U
Barium, TCLP	100					**0.85**	J	**0.93**	J	**0.91**	J	**0.55**	J	**1**		**0.93**	J	**0.7**	J
Cadmium, TCLP	1					<0.00050	U	<0.00050	U	<0.00050	U	<0.00050	U	<0.00050	U	<0.00050	U	<0.00050	U
Chromium, TCLP	5					<0.010	U	<0.010	U	<0.010	U	<0.010	U	<0.010	U	<0.010	U	<0.010	U
Lead, TCLP	5					**0.019**	JB	**0.019**	JB	**0.017**	JB	**0.014**	JB	**0.029**	B	**0.022**	B	**0.021**	B
Mercury, TCLP	0.2					<0.000043	U	**0.0002**		<0.000043	U	<0.000043	U	<0.000043	U	<0.000043	U	<0.000043	U
Selenium, TCLP	1					<0.0087	U	<0.0087	U	<0.0087	U	<0.0087	U	<0.0087	U	<0.0087	U	<0.0087	U
Silver, TCLP	5					<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U
TCLP PESTICIDES BY EPA 1311																			
Chlordane	0.03					<0.000029	U	<0.000029	U	<0.000029	U	<0.000029	U	<0.000029	U	<0.000029	U	<0.000029	
Endrin	0.02	89	410			<0.000014	U	<0.000014	U	<0.000014	U	**0.000045**	J	<0.000014	U	<0.000014	U	**0.000069**	J
Lindane	0.4	9.2	23			<0.0000060	U	<0.0000060	U	<0.0000060	U	<0.0000060	U	<0.0000060	U	<0.0000060	U	**0.000093**	J
Heptachlor	0.008	15	29			<0.0000085	U	<0.0000085	U	<0.0000085	U	<0.0000085	U	<0.0000085	U	<0.0000085	U	<0.0000085	U
Heptachlor epoxide	0.008					<0.0000053	U	<0.0000053	U	<0.0000053	U	<0.0000053	U	<0.0000053	U	<0.0000053	U	<0.0000053	U
Methoxychlor	10					<0.000014	U	<0.000014	U	<0.000014	U	<0.000014	U	<0.000014	U	<0.000014	U	<0.000014	U
Toxaphene	0.5					<0.00012	U	<0.00012	U	<0.00012	U	<0.00012	U	<0.00012	U	<0.00012	U	<0.00012	U
TCLP HERBICIDES BY EPA 1311																			
2,4,5-TP (Silvex)	1	500	1000			<0.00040	U	<0.00040	U	<0.00040	U	<0.00040	U	<0.00040	U	<0.00040	U	<0.00040	U
2,4-D	10					<0.00036	U	<0.00036	U	<0.00036	U	<0.00036	U	<0.00036	U	<0.00036	U	<0.00036	U
PFAS																			
PERFLUOROOCTANE SULFONIC ACID (PFOS)		0.44	0.44			<0.000076	U	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)		0.50	0.60			<0.000057	U	-	-	-	-	-	-	-	-	-	-	-	-

* Comparison is not performed on parameters with non-numeric criteria.
EPA-TCLP: EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria per 40CFR Part 261 as of September 10, 2015.
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.

Table 5C
Secondary Containment IRM Work Plan - Closure Sampling
Light Oil area Tanks PT04, PT12, and PT13
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE				SAMPLE ID:	LOA-01-01262024	LOA-02-01262024	LOA-03-01262024	LOA-04-01262024	LOA-05-01262024	LOA-06-01262024	LOA-07-01262024
				LAB REPORT:	480-216689	480-216689	480-216689	480-216689	480-216689	480-216689	480-216689
				COLLECTION DATE:	1/26/2024	1/26/2024	1/26/2024	1/26/2024	1/26/2024	1/26/2024	1/26/2024
				SAMPLE DEPTH:	6.5' BGS	7.7' BGS	4.25' BGS	3.0' BGS	3.0' BGS	4.25' BGS	3' BGS
				LOCATION:	Northwest corner, under former BCP-10 North, Light Oil Building.	North-Center, under former chillers.	North-Center, under west end of former Tank PT-04.	Northeast corner, under east end of former Tank PT-04.	Southern boundary of containment.	South-center, under former Tank PT-12.	Southeast corner, under east end of former Tank PT-13.
	EPA-TCLP	Part 375 Commercial SCO	Part 375 Industrial SCO								
	(mg/l)	(mg/kg)	(mg/kg)								

Qualifiers:
U - Not detected at the reported detection limit for the sample.
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B - Compound was found in the blank and sample.
HF - Analyzed outside of hold time.
Bold - Compound is detected
Red Highlight - Exceeds NYS Part 375 Industrical SCOs
Green Highlight - Exceeds NYS Part 375 Commercial SCOs
Yellow Highlight - Exceeds EPA Toxicity Characteristic Regulatory Levels

Table 6C
Secondary Containment IRM Work Plan - Closure Sampling
Lid Seal Tank ST06
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

Analytes	Part 375 SCOs Commercial	Part 375 SCOs Industrial	Units	SS-ST06W-10012021-01		SS-ST06W-10012021-12		SS-ST06E-10012021-01		SS-ST06E-10012021-12	
Sample Date:				10/1/2021		10/1/2021		10/1/2021		10/1/2021	
Sample Interval:				0' - 1' BGS		1' - 2' BGS		0' - 1' BGS		1' - 2' BGS	
Tank Secondary Containment				ST06/B03 - Lid Seal		ST06/B03 - Lid Seal		ST06/B03 - Lid Seal		ST06/B03 - Lid Seal	
TCL SVOCs (SW8270D)											
1,1-Biphenyl			ug/kg	**314**	J	**416**		**900**		**880**	
1,2,4,5-Tetrachlorobenzene			ug/kg	<329	U	<344	U	<1610	U	<1700	U
2,3,4,6-Tetrachlorophenol			ug/kg	<329	U	<344	U	<1610	U	<1700	U
2,4,5-Trichlorophenol			ug/kg	<329	U	<344	U	<1610	U	<1700	U
2,4,6-Trichlorophenol			ug/kg	<329	U	<344	U	<1610	U	<1700	U
2,4-Dichlorophenol			ug/kg	<329	U	<344	U	<1610	U	<1700	U
2,4-Dimethylphenol			ug/kg	<329	U	<344	U	<1610	U	<1700	U
2,4-Dinitrophenol			ug/kg	<1320	U	<1380	U	<6420	U	<1700	U
2,4-Dinitrotoluene			ug/kg	<329	U	<344	U	<1610	U	<1700	U
2,6-Dinitrotoluene			ug/kg	<329	U	<344	U	<1610	U	<1700	U
2-Chloronaphthalene			ug/kg	<329	U	<344	U	<1610	U	<1700	U
2-Chlorophenol			ug/kg	<329	U	<344	U	<1610	U	<1700	U
2-Methylnaphthalene			ug/kg	**1490**		**2280**		**4070**		**5100**	
2-Methylphenol (O-Cresol)	500,000	1,000,000	ug/kg	<329	U	<344	U	<1610	U	<1700	U
2-Nitroaniline			ug/kg	<329	U	<344	U	<1610	U	<1700	U
2-Nitrophenol			ug/kg	<329	U	<344	U	<1610	U	<1700	U
3,3'-Dichlorobenzidine			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Cresols, M & P	500,000	1,000,000	ug/kg	NS		NS		NS		NS	
3-Nitroaniline			ug/kg	<329	U	<344	U	<1610	U	<1700	U
4,6-Dinitro-2-Methylphenol			ug/kg	<658	U	<688	U	<3210	U	<3390	U
4-Bromophenyl Phenyl Ether			ug/kg	<329	U	<344	U	<1610	U	<1700	U
4-Chloro-3-Methylphenol			ug/kg	<329	U	<344	U	<1610	U	<1700	U
4-Chloroaniline			ug/kg	<329	U	<344	U	<1610	U	<1700	U
4-Chlorophenyl Phenyl Ether			ug/kg	<329	U	<344	U	<1610	U	<1700	U
4-Nitroaniline			ug/kg	<329	U	<344	U	<1610	U	<1700	U
4-Nitrophenol			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Acenaphthene	500,000	1,000,000	ug/kg	**879**		**1400**		**1730**		**8410**	
Acenaphthylene	500,000	1,000,000	ug/kg	**620**		**710**		**1730**		**905**	
Acetophenone			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Anthracene	500,000	1,000,000	ug/kg	**1510**		**1680**		**3300**		**5840**	
Atrazine			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Benzo(A)Anthracene	5,600	11,000	ug/kg	**5400**		**6330**		**15600**		<1700	
Benzaldehyde			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Benzo(A)Pyrene	1,000	1,100	ug/kg	**6990**		**8210**		**18900**		**42400**	
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	**7290**		**9300**		**19500**		**44200**	
Benzo(G,H,I)Perylene	500,000	1,000,000	ug/kg	**5840**		**7060**		**14100**		**32300**	
Benzo(K)Fluoranthene	56,000	110,000	ug/kg	**4530**		**5680**		**12300**		**23400**	
Biphenyl (Diphenyl)			ug/kg	NS		NS		NS		NS	
Bis(2-Chloroisopropyl) Ether			ug/kg	NS		NS		NS		NS	
Bis(2-Chloroethoxy) Methane			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Bis(2-Ethylhexyl) Phthalate			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Benzyl Butyl Phthalate			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Caprolactam			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Carbazole			ug/kg	**855**		**883**		**1850**		**4050**	
Chrysene	56,000	110,000	ug/kg	**5960**		**7380**		**16300**		**32400**	
Di-N-Butyl Phthalate			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Di-N-Octylphthalate			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Dibenz(A,H)Anthracene	560	1,100	ug/kg	**1840**		**2300**		**4770**		**10300**	
Dibenzofuran	350,000	1,000,000	ug/kg	**921**		**1190**		**2290**		**2610**	
Diethyl Phthalate			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Dimethyl Phthalate			ug/kg	<329	U	<344	U	<16110	U	<1700	U
Fluoranthene	500,000	1,000,000	ug/kg	**8870**		**9570**		**20200**		**45300**	
Fluorene	500,000	1,000,000	ug/kg	**831**		**977**		**1570**		**2950**	
Hexachlorobenzene	6,000	12,000	ug/kg	<329	U	<344	U	<1610	U	<1700	U
Hexachlorobutadiene			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Hexachlorocyclopentadiene			ug/kg	<1320	U	<1380	U	<6420	U	<1700	U
Hexachloroethane			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	**5200**		**6110**		**12800**		**29800**	
Isophorone			ug/kg	<329	U	<344	U	<1610	U	<1700	U
N-Nitrosodi-N-Propylamine			ug/kg	<329	U	<344	U	<1610	U	<1700	U
N-Nitrosodiphenylamine			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Naphthalene	500,000	1,000,000	ug/kg	**3670**		**5090**		**15600**		**9600**	
Nitrobenzene			ug/kg	<329	U	<344	U	<1610	U	<1700	U
Pentachlorophenol	6,700	55,000	ug/kg	<658	U	<688	U	<3210	U	<1700	U
Phenanthrene	500,000	1,000,000	ug/kg	**6480**		**6710**		**12200**		**23600**	
Phenol	500,000	1,000,000	ug/kg	<329	U	<344	U	<1610	U	<1700	U
Pyrene	500,000	1,000,000	ug/kg	**7710**		**8170**		**17600**		**41400**	
TAL Metals (SW6010)											
Aluminum			mg/kg	**2300**		**2440**		**1670**		**3250**	
Antimony			mg/kg	<3.31	U	<3.72	U	<3.52	U	<3.56	U
Arsenic	16	16	mg/kg	**4.65**		**4.66**		**3.61**		**4.28**	
Barium	400	10,000	mg/kg	**29.5**		**48.7**		**41.3**		**60.2**	
Beryllium	590	2,700	mg/kg	**0.323**		**0.824**		**0.753**		**0.672**	
Cadmium	9.3	60	mg/kg	**1.14**		**0.529**		**0.422**		**0.692**	
Calcium			mg/kg	**22200**		**4870**		**3770**		**10400**	
Chromium, Total			mg/kg	**12.3**		**9.39**		**10.8**		**8.44**	
Cobalt			mg/kg	**4.51**		**6.15**		**5.23**		**5.04**	
Copper	270	10,000	mg/kg	**18.6**		**32.9**		**20.0**		**29.8**	
Iron			mg/kg	**18200**		**9560**		**5610**		**10200**	
Lead	1,000	3,900	mg/kg	**39.3**		**29.8**		**42.9**		**45.0**	
Magnesium			mg/kg	**11600**		**1680**		**1550**		**1460**	
Manganese	10,000	10,000	mg/kg	**212**		**104**		**73.3**		**200**	
Nickel	310	10,000	mg/kg	**10.5**		**14.3**		**10.6**		**11.6**	
Potassium			mg/kg	**439**		**540**		**249**		**449**	
Selenium	1,500	6,800	mg/kg	<1.10	U	**0.900**	J	**0.692**	J	**1.45**	
Silver	1,500	6,800	mg/kg	**0.733**		**0.466**	J	<0.586	U	**0.529**	J
Sodium			mg/kg	**136**	J	**168**		**97.2**	J	**186**	
Thallium			mg/kg	<1.38	U	<1.55	U	<1.47	U	<1.48	
Vanadium			mg/kg	**10.1**		**12.3**		**12.6**		**10.3**	
Zinc	10,000	10,000	mg/kg	**87.2**		**80.7**		**63.8**		**251**	

Table 6C
Secondary Containment IRM Work Plan - Closure Sampling
Lid Seal Tank ST06
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

Analytes	Part 375 SCOs		Units	SS-ST06W-10012021-01		SS-ST06W-10012021-12		SS-ST06E-10012021-01		SS-ST06E-10012021-12	
	Commercial	Industrial									
Sample Date:				10/1/2021		10/1/2021		10/1/2021		10/1/2021	
Sample Interval:				0' - 1' BGS		1' - 2' BGS		0' - 1' BGS		1' - 2' BGS	
Tank Secondary Containment				ST06/B03 - Lid Seal		ST06/B03 - Lid Seal		ST06/B03 - Lid Seal		ST06/B03 - Lid Seal	
Mercury (SW7471)											
Mercury	2.8	5.7	mg/kg	**0.165**		**0.171**		**0.430**		**0.313**	
Total Cyanide (SW9012B)											
Cyanide	27	10,000	mg/kg	**2.11**		**7.05**		**53.4**		**4.56**	
Methanol (8015D)											
Methanol			ug/g	<11	U	<13	U	<12	U	<12	U
PCBs (8082A)											
PCB-1016 (Aroclor 1016)	1,000	25000	mg/kg	<0.0317	U	<0.0353	U	<0.0326	U	<0.0343	U
PCB-1221 (Aroclor 1221)	1000	25000	mg/kg	<0.0317	U	<0.0353	U	<0.0326	U	<0.0343	U
PCB-1232 (Aroclor 1232)	1000	25000	mg/kg	<0.0317	U	<0.0353	U	<0.0326	U	<0.0343	U
PCB-1242 (Aroclor 1242)	1000	25000	mg/kg	<0.0317	U	<0.0353	U	<0.0326	U	<0.0343	U
PCB-1248 (Aroclor 1248)	1000	25000	mg/kg	<0.0317	U	<0.0353	U	<0.0326	U	<0.0343	U
PCB-1254 (Aroclor 1254)	1000	25000	mg/kg	<0.0317	U	<0.0353	U	<0.0326	U	<0.0343	U
PCB-1260 (Aroclor 1260)	1000	25000	mg/kg	<0.0317	U	<0.0353	U	<0.0326	U	<0.0343	U
PCB-1262 (Aroclor 1262)	1000	25000	mg/kg	<0.0317	U	<0.0353	U	<0.0326	U	<0.0343	U
PCB-1268 (Aroclor 1268)	1000	25000	mg/kg	<0.0317	U	<0.0353	U	<0.0326	U	<0.0343	U
Qualifiers:											
U - Not detected at the reported detection limit for the sample.											
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.											
B - Compound was found in the blank and sample.											
HF - Analyzed outside of hold time.											
Bold - Compound is detected											
Red Highlight - Exceeds NYS Part 375 Industrical SCOs											
Green Highlight - Exceeds NYS Part 375 Commercial SCOs											

Table 7C
Secondary Containment IRM Work Plan - Closure Sampling
Waste Oil Tank ST07
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

Analytes	Part 375 SCOs		Units	SS-ST07E-10012021		SS-ST07W-10012021		SS-ST07N-10012021	
	Commercial	Industrial							
Sample Date:				10/1/2021		10/1/2021		10/1/2021	
Sample Interval:				0 - 6 in		0 - 6 in		0 - 6 in, Under Crack	
Tank Secondary Containment				ST07/D02 - Waste Oil		ST07/D02 - Waste Oil		ST07/D02 - Waste Oil	
TCL VOCs (SW8260C)									
1,1,1-Trichloroethane (TCA)	500,000	1,000,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
1,1,2,2-Tetrachloroethane			ug/kg	<4.69	U	<4.26	U	<4.46	U
1,1,2-Trichloroethane			ug/kg	<4.69	U	<4.26	U	<4.46	U
1,1,2-Trichloro-1,2,2-Trifluoroethane			ug/kg	<4.69	U	<4.26	U	<4.46	U
1,1-Dichloroethane	240,000	480,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
1,1-Dichloroethene	500,000	1,000,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
1,2,3-Trichlorobenzene			ug/kg	<11.7	U	<10.6	U	<11.2	U
1,2,4-Trichlorobenzene			ug/kg	<320	U	<10.6	U	<11.2	U
1,2-Dibromo-3-Chloropropane			ug/kg	<23.5	U	<21.3	U	<22.3	U
1,2-Dibromoethane (Ethylene Dibromide)			ug/kg	<4.69	U	<4.26	U	<4.46	U
1,2-Dichlorobenzene	500,000	1,000,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
1,2-Dichloroethane	30,000	60,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
1,2-Dichloropropane			ug/kg	<4.69	U	<4.26	U	<4.46	U
1,3-Dichlorobenzene	280,000	560,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
1,4-Dichlorobenzene	130,000	250,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
1,4-Dioxane (P-Dioxane)	130,000	250,000	ug/kg	<23.5	U	<21.3	U	<22.3	U
Methyl Ethyl Ketone (2-Butanone)	500,000	1,000,000	ug/kg	<11.7	U	<21.3	U	<22.3	U
2-Hexanone			ug/kg	<11.7	U	<10.6	U	<11.2	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)			ug/kg	<11.7	U	<10.6	U	<11.2	U
Acetone	500,000	1,000,000	ug/kg	<23.5	U	**11.2**		<22.3	U
Benzene	44,000	89,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Bromochloromethane			ug/kg	<11.7	U	<10.6	U	<11.2	U
Bromodichloromethane			ug/kg	<4.69	**L**	<4.26	U	<4.46	U
Bromoform			ug/kg	<11.7	U	<10.6	U	<11.2	U
Bromomethane			ug/kg	<4.69	U	<4.26	U	<4.46	U
Carbon Disulfide			ug/kg	<4.69	U	<4.26	U	<4.46	U
Carbon Tetrachloride	22,000	44,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Chlorobenzene	500,000	1,000,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Chloroethane			ug/kg	<4.69	U	<4.26	U	<4.46	U
Chloroform	350,000	700,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Chloromethane			ug/kg	<4.69	U	<4.26	U	<4.46	U
Cyclohexane			ug/kg	<23.5	U	<21.3	U	<22.3	U
Dibromochloromethane			ug/kg	<4.69	U	<4.26	U	<4.46	U
Dichlorodifluoromethane			ug/kg	<4.69	U	<4.26	U	<4.46	U
Methylene Chloride	500,000	1,000,000	ug/kg	**50.4**		**44.4**		**22.1**	
Ethylbenzene	390,000	780,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Isopropylbenzene (Cumene)			ug/kg	<4.69	U	<4.26	U	<4.46	U
Methyl Acetate			ug/kg	<4.69	U	<4.26	U	<4.46	U
Tert-Butyl Methyl Ether	500,000	1,000,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Methylcyclohexane			ug/kg	<4.69	U	<4.26	U	<4.46	U
Styrene			ug/kg	<11.7	U	<10.6	U	<11.2	U
Tetrachloroethylene (PCE)	150,000	300,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Toluene	500,000	1,000,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Trichloroethylene (TCE)	200,000	400,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Trichlorofluoromethane			ug/kg	<4.69	U	<4.26	U	<4.46	U
Vinyl Chloride	13,000	27,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Cis-1,2-Dichloroethylene	500,000	1,000,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Cis-1,3-Dichloropropene			ug/kg	<4.69	U	<4.26	U	<4.46	U
m,p-Xylene	500,000	1,000,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
O-Xylene (1,2-Dimethylbenzene)	500,000	1,000,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Trans-1,2-Dichloroethene	500,000	1,000,000	ug/kg	<4.69	U	<4.26	U	<4.46	U
Trans-1,3-Dichloropropene			ug/kg	<4.69	U	<4.26	U	<4.46	U

Table 7C
Secondary Containment IRM Work Plan - Closure Sampling
Waste Oil Tank ST07
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

Analytes	Part 375 SCOs		Units	SS-ST07E-10012021		SS-ST07W-10012021		SS-ST07N-10012021	
	Commercial	Industrial							
Sample Date:				10/1/2021		10/1/2021		10/1/2021	
Sample Interval:				0 - 6 in		0 - 6 in		0 - 6 in, Under Crack	
Tank Secondary Containment				ST07/D02 - Waste Oil		ST07/D02 - Waste Oil		ST07/D02 - Waste Oil	
TCL SVOCs (SW8270D)									
1,1-Biphenyl			ug/kg	<320	U	**174**		**224**	
1,2,4,5-Tetrachlorobenzene			ug/kg	<320	U	<295	U	<318	U
2,3,4,6-Tetrachlorophenol			ug/kg	<320	U	<295	U	<318	U
2,4,5-Trichlorophenol			ug/kg	<320	U	<295	U	<318	U
2,4,6-Trichlorophenol			ug/kg	<320	U	<295	U	<318	U
2,4-Dichlorophenol			ug/kg	<320	U	<295	U	<318	U
2,4-Dimethylphenol			ug/kg	<320	U	<295	U	<318	U
2,4-Dinitrophenol			ug/kg	<1280	U	<1180	U	<1270	U
2,4-Dinitrotoluene			ug/kg	<320	U	<295	U	<318	U
2,6-Dinitrotoluene			ug/kg	<320	U	<295	U	<318	U
2-Chloronaphthalene			ug/kg	<320	U	<295	U	<318	U
2-Chlorophenol			ug/kg	<320	U	<295	U	<318	U
2-Methylnaphthalene			ug/kg	**1040**		**862**		**1330**	
2-Methylphenol (O-Cresol)	500,000	1,000,000	ug/kg	<320	U	<295	U	<318	U
2-Nitroaniline			ug/kg	<320	U	<295	U	<318	U
2-Nitrophenol			ug/kg	<320	U	<295	U	<318	U
3,3'-Dichlorobenzidine			ug/kg	<320	U	<295	U	<318	U
Cresols, M & P	500,000	1,000,000	ug/kg	NS		NS		NS	
3-Nitroaniline			ug/kg	<320	U	<295	U	<318	U
4,6-Dinitro-2-Methylphenol			ug/kg	<640	U	<590	U	<636	U
4-Bromophenyl Phenyl Ether			ug/kg	<320	U	<295	U	<318	U
4-Chloro-3-Methylphenol			ug/kg	<320	U	<295	U	<318	U
4-Chloroaniline			ug/kg	<320	U	<295	U	<318	U
4-Chlorophenyl Phenyl Ether			ug/kg	<320	U	<295	U	<318	U
4-Nitroaniline			ug/kg	<320	U	<295	U	<318	U
4-Nitrophenol			ug/kg	<320	U	<295	U	<318	U
Acenaphthene	500,000	1,000,000	ug/kg	<320	U	<295	U	<318	U
Acenaphthylene	500,000	1,000,000	ug/kg	<320	U	**458**		**314**	
Acetophenone			ug/kg	<320	U	<295	U	<318	U
Anthracene	500,000	1,000,000	ug/kg	**227**		**630**		**561**	
Atrazine			ug/kg	<320	U	<295	U	<318	U
Benzo(A)Anthracene	5,600	11,000	ug/kg	**377**		**1380**		**730**	
Benzaldehyde			ug/kg	<320	U	<295	U	<318	U
Benzo(A)Pyrene	1,000	1,100	ug/kg	**241**		**1070**		**674**	
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	**552**		**1460**		**928**	
Benzo(G,H,I)Perylene	500,000	1,000,000	ug/kg	**245**		**841**		**614**	
Benzo(K)Fluoranthene	56,000	110,000	ug/kg	**336**		**1050**		**541**	
Biphenyl (Diphenyl)			ug/kg	NS		NS		NS	
Bis(2-Chloroisopropyl) Ether			ug/kg	NS		NS		NS	
Bis(2-Chloroethoxy) Methane			ug/kg	<320	U	<295	U	<318	U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)			ug/kg	<320	U	<295	U	<318	U
Bis(2-Ethylhexyl) Phthalate			ug/kg	<320	U	<295	U	<318	U
Benzyl Butyl Phthalate			ug/kg	<320	U	<295	U	<318	U
Caprolactam			ug/kg	<320	U	<295	U	<318	U
Carbazole			ug/kg	<320	U	**276**		**221**	
Chrysene	56,000	110,000	ug/kg	**657**		**4590**		**928**	
Di-N-Butyl Phthalate			ug/kg	<320	U	<295	U	<318	U
Di-N-Octylphthalate			ug/kg	<320	U	<295	U	<318	U
Dibenz(A,H)Anthracene	560	1,100	ug/kg	<320	U	<295	U	<318	U
Dibenzofuran	350,000	1,000,000	ug/kg	<320	U	<295	U	<318	U
Diethyl Phthalate			ug/kg	<320	U	<295	U	<318	U
Dimethyl Phthalate			ug/kg	<320	U	<295	U	<318	U
Fluoranthene	500,000	1,000,000	ug/kg	**763**		**3380**		**1280**	
Fluorene	500,000	1,000,000	ug/kg	<320	U	**401**		**265**	
Hexachlorobenzene	6,000	12,000	ug/kg	<320	U	<295	U	<318	U
Hexachlorobutadiene			ug/kg	<320	U	<295	U	<318	U
Hexachlorocyclopentadiene			ug/kg	<1280	U	<1180	U	<1270	U
Hexachloroethane			ug/kg	<320	U	<295	U	<318	U
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	**223**		**737**		**556**	
Isophorone			ug/kg	<320	U	<295	U	<318	U
N-Nitrosodi-N-Propylamine			ug/kg	<320	U	<295	U	<318	U
N-Nitrosodiphenylamine			ug/kg	<320	U	<295	U	<318	U
Naphthalene	500,000	1,000,000	ug/kg	**1340**		**1470**		**2680**	
Nitrobenzene			ug/kg	<320	U	<295	U	<318	U
Pentachlorophenol	6,700	55,000	ug/kg	<640	U	<590	U	<636	U
Phenanthrene	500,000	1,000,000	ug/kg	**1460**		**2990**		**2200**	
Phenol	500,000	1,000,000	ug/kg	<320	U	<295	U	<318	U
Pyrene	500,000	1,000,000	ug/kg	**554**		**2590**		**955**	
TAL Metals (SW6010)									
Aluminum			mg/kg	**752**		**1490**		**1710**	
Antimony			mg/kg	<3.28	U	<3.29	U	<3.41	U
Arsenic	16	16	mg/kg	**2.07**		**10.1**		**3.16**	
Barium	400	10,000	mg/kg	**31.5**		**48.2**		**46.7**	
Beryllium	590	2,700	mg/kg	**0.145**		**0.334**		**0.738**	
Cadmium	9.3	60	mg/kg	**0.311**		**0.553**		**0.334**	
Calcium			mg/kg	**1370**		**4480**		**17600**	
Chromium, Total			mg/kg	**6.96**		**14.1**		**8.16**	
Cobalt			mg/kg	**2.41**	J	**8.24**		**4.97**	
Copper	270	10,000	mg/kg	**15.9**		**22.3**		**14.4**	
Iron			mg/kg	**8820**		**10500**		**5180**	
Lead	1,000	3,900	mg/kg	**7.03**		**12.6**		**14.3**	
Magnesium			mg/kg	**149**		**733**		**2080**	
Manganese	10,000	10,000	mg/kg	**84.1**		**4810**		**97.0**	
Nickel	310	10,000	mg/kg	**5.33**		**17.2**		**8.47**	
Potassium			mg/kg	**181**		**298**		**257**	
Selenium	1,500	6,800	mg/kg	<1.09	U	**1.18**		**0.977**	
Silver	1,500	6,800	mg/kg	**0.370**		**1.39**		**0.310**	
Sodium			mg/kg	**85.8**		**106**		**76.0**	
Thallium			mg/kg	<1.37	U	<1.37	U	<1.42	U
Vanadium			mg/kg	**3.39**		**5.57**		**8.86**	
Zinc	10,000	10,000	mg/kg	**28.7**		**44.9**		**39.5**	

Table 7C
Secondary Containment IRM Work Plan - Closure Sampling
Waste Oil Tank ST07
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

Analytes	Part 375 SCOs Commercial	Part 375 SCOs Industrial	Units	SS-ST07E-10012021		SS-ST07W-10012021		SS-ST07N-10012021	
Sample Date:				10/1/2021		10/1/2021		10/1/2021	
Sample Interval:				0 - 6 in		0 - 6 in		0 - 6 in, Under Crack	
Tank Secondary Containment				ST07/D02 - Waste Oil		ST07/D02 - Waste Oil		ST07/D02 - Waste Oil	
Mercury (SW7471)									
Mercury	2.8	5.7	mg/kg	**0.0205**		**0.0607**		**0.0260**	
PCBs (8082A)									
PCB-1016 (Aroclor 1016)	1,000	25000	mg/kg	<0.0324	U	<0.0314	U	<0.0330	U
PCB-1221 (Aroclor 1221)	1000	25000	mg/kg	<0.0324	U	<0.0314	U	<0.0330	U
PCB-1232 (Aroclor 1232)	1000	25000	mg/kg	<0.0324	U	<0.0314	U	<0.0330	U
PCB-1242 (Aroclor 1242)	1000	25000	mg/kg	<0.0324	U	<0.0314	U	<0.0330	U
PCB-1248 (Aroclor 1248)	1000	25000	mg/kg	<0.0324	U	<0.0314	U	<0.0330	U
PCB-1254 (Aroclor 1254)	1000	25000	mg/kg	<0.0324	U	<0.0314	U	<0.0330	U
PCB-1260 (Aroclor 1260)	1000	25000	mg/kg	<0.0324	U	<0.0314	U	<0.0330	U
PCB-1262 (Aroclor 1262)	1000	25000	mg/kg	<0.0324	U	<0.0314	U	<0.0330	U
PCB-1268 (Aroclor 1268)	1000	25000	mg/kg	<0.0324	U	<0.0314	U	<0.0330	U
TCLP SVOCs									
1,4-Dichlorobenzene	7,500		ug/L	NS		NS		<40.0	U
2,4,5-Trichlorophenol	400,000		ug/L	NS		NS		<40.0	U
2,4,6-Trichlorophenol	2,000		ug/L	NS		NS		<40.0	U
2,4-Dinitrotoluene	130		ug/L	NS		NS		<40.0	U
Cresols (as m,p,o-Cresol)	200,000		ug/L	NS		NS		<80.0	U
Hexachlorobenzene	130		ug/L	NS		NS		<40.0	U
Hexachlorobutadiene	500		ug/L	NS		NS		<40.0	U
Hexachloroethane	3,000		ug/L	NS		NS		<40.0	U
Nitrobenzene	2,000		ug/L	NS		NS		<40.0	U
Pentachlorophenol	100,000		ug/L	NS		NS		<80.0	U
Pyridine	5,000		ug/L	NS		NS		<40.0	U
TCLP Mercury									
Mercury	0.2		mg/L	NS		NS		<0.00200	U
TCLP Pesticides									
Chlordane	30		ug/L	NS		NS		<2.00	U
Endrin	20		ug/L	NS		NS		<1.00	U
gamma-BHC (Lindane)	400		ug/L	NS		NS		<1.00	U
Heptachlor	8		ug/L	NS		NS		<1.00	U
Heptachlor Epoxide	8		ug/L	NS		NS		<1.00	U
Methoxychlor	10,000		ug/L	NS		NS		<1.00	U
Toxaphene	500		ug/L	NS		NS		<20.0	U
TCLP RCRA Metals									
Arsenic	5		mg/L	NS		NS		<0.500	U
Barium	100		mg/L	NS		NS		**0.460**	
Cadmium	1		mg/L	NS		NS		<0.0250	U
Chromium	5		mg/L	NS		NS		<0.500	U
Lead	5		mg/L	NS		NS		<0.500	U
Selenium	1		mg/L	NS		NS		<0.200	U
Silver	5		mg/L	NS		NS		<0.500	U
TCLP Volatile Organics									
1,1-Dichloroethene	700		ug/L	NS		NS		<20.0	U
1,2-Dichloroethane	500		ug/L	NS		NS		<20.0	U
2-Butanone	200,000		ug/L	NS		NS		<100	U
Benzene	500		ug/L	NS		NS		<20.0	U
Carbon Tetrachloride	500		ug/L	NS		NS		<20.0	U
Chlorobenzene	100,000		ug/L	NS		NS		<20.0	U
Chloroform	6,000		ug/L	NS		NS		<20.0	U
Tetrachloroethene	700		ug/L	NS		NS		<20.0	U
Trichloroethene	500		ug/L	NS		NS		<20.0	U
Vinyl Chloride	200		ug/L	NS		NS		<20.0	U

Qualifiers:
U - Not detected at the reported detection limit for the sample.
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B - Compound was found in the blank and sample.
HF - Analyzed outside of hold time.
Bold - Compound is detected
Red Highlight - Exceeds NYS Part 375 Industrical SCOs
Green Highlight - Exceeds NYS Part 375 Commercial SCOs

Table 8C
Secondary Containment IRM Workplan - Closure Sampling
Weak Ammonia Liquor Area Tanks ST01, ST02, PT02, and PT03
Riverview Innovation Technology Campus, Inc.
Tonawanda, New York

ANALYTE	EPA TCLP	PART 375 COMMERICAL SCOs	PART 375 INDUSTRIAL SCOs	NW CORNER	NE CORNER	WESTERN MOST FORMER TANK PAD	WESTERN MOST FORMER TANK PAD	SW EDGE	PT02 PAD	PT02 PAD	NORTH END OF ST01 AND ST02	CENTER OF ST01 AND ST02	SOUTH OF ST01 AND ST02	SOUTH WALL	SOUTH MIDDLE	BETWEEN PT02 AND PT03	BETWEEN AND NORTH OF PT02 AND PT03	NORTH CORNER ON LOA BORDER	PT03 SUMP (NORTH)	CENTER OF PT03	SE WALL (SE OF PT03)	SE WALL (EAST OF PT03)	UNDER PADS IN NE WAL AREA	UNDER PADS IN NE WAL AREA (NORTH OF WAL-21)	NE CORNER	NE CORNER (EAST OF WAL-20)
SAMPLE ID:				WAL-01-07252023	WAL-02-07252023	WAL-03-07252023	WAL-04-07252023	WAL-05-07252023	WAL-06-07252023	WAL-07-07252023	WAL-08-07252023	WAL-09-07252023	WAL-10-07252023	WAL-11-07252023	WAL-12-07252023	WAL-13-07252023	WAL-14-07252023	WAL-15-07252023	WAL-16-07252023	WAL-17-07252023	WAL-18-07252023	WAL-19-07252023	WAL-20-07252023	WAL-21-07252023	WAL-22-07252023	WAL-23-07252023
LAB ID:				L2342740-01	L2342740-02	L2342740-03	L2342740-04	L2342740-05	L2342740-06	L2342740-07	L2342740-08	L2342740-09	L2342740-10	L2342740-11	L2342740-12	L2342740-13	L2342740-14	L2342740-15	L2342740-16	L2342740-17	L2342740-18	L2342740-19	L2342740-20	L2342740-21	L2342740-22	L2342740-23
COLLECTION DATE:				7/13/2023	7/13/2023	7/14/2023	7/13/2023	7/13/2023	7/14/2023	7/14/2023	7/17/2023	7/17/2023	7/17/2023	7/17/2023	7/17/2023	7/14/2023	7/14/2023	7/14/2023	7/24/2023	7/24/2023	7/19/2023	7/19/2023	7/18/2023	7/25/2023	7/19/2023	7/19/2023
SAMPLE DEPTH:				2' BGS	Fill - Clay Interface	4' BGS	2' BGS	3' BGS	4' BGS	4' BGS	4' BGS	4' BGS	4' BGS	4' - 5' BGS	3' - 4' BGS	5' BGS	Fill - Clay Interface	Fill - Clay Interface	5' BGS	5' BGS	2' BGS	4' BGS	5' BGS	Fill - Clay Interface	4' BGS	4' BGS
SAMPLE MATRIX:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
SAMPLE LOCATION:																										
VOLATILE ORGANICS BY GC/MS																										
1,1,1-Trichloroethane		500	1000	-	-	-	-	-	<0.24 U	<1 U	-	<0.15 U	<0.059 U	-	<0.014 U	<0.62 U	<0.31 U	-	<0.13 U	<0.013 U	-	<0.012 U	-	-	<0.066 U	<0.61 U
1,1,2,2-Tetrachloroethane				-	-	-	-	-	<0.24 U	<1 U	-	<0.15 U	<0.058 U	-	<0.014 U	<0.62 U	<0.31 U	-	<0.13 U	<0.012 U	-	<0.012 U	-	-	<0.066 U	<0.6 U
1,1,2-Trichloroethane				-	-	-	-	-	<0.39 U	<1.7 U	-	<0.24 U	<0.094 U	-	<0.023 U	<1 U	<0.5 U	-	<0.21 U	<0.02 U	-	<0.02 U	-	-	<0.1 U	<0.97 U
1,1-Dichloroethane		240	480	-	-	-	-	-	<0.21 U	<0.9 U	-	<0.13 U	<0.051 U	-	<0.012 U	<0.54 U	<0.27 U	-	<0.11 U	<0.011 U	-	<0.011 U	-	-	<0.058 U	<0.53 U
1,1-Dichloroethene		500	1000	-	-	-	-	-	<0.35 U	<1.5 U	-	<0.21 U	<0.084 U	-	<0.02 U	<0.89 U	<0.45 U	-	<0.19 U	<0.018 U	-	<0.018 U	-	-	<0.094 U	<0.87 U
1,2,3-Trichlorobenzene				-	-	-	-	-	<0.47 U	<2 U	-	<0.29 U	<0.11 U	-	<0.028 U	<1.2 U	<0.61 U	-	<0.25 U	<0.024 U	-	<0.024 U	-	-	<0.13 U	<1.2 U
1,2,4-Trichlorobenzene				-	-	-	-	-	<0.4 U	<1.7 U	-	<0.24 U	<0.096 U	-	<0.023 U	<1 U	<0.51 U	-	<0.21 U	<0.02 U	-	<0.02 U	-	-	<0.11 U	<0.99 U
1,2,4-Trimethylbenzene		190	380	-	-	-	-	-	**3.8**	**11** J	-	**7.2**	**1.9**	-	**2.7**	**9.8**	**5.9**	-	**20**	**0.043** J	-	**3.9**	-	-	**2**	**15**
1,2-Dibromo-3-chloropropane				-	-	-	-	-	<1.5 U	<6.2 U	-	<0.89 U	<0.35 U	-	<0.086 U	<3.7 U	<1.9 U	-	<0.79 U	<0.075 U	-	<0.075 U	-	-	<0.4 U	<3.6 U
1,2-Dibromoethane				-	-	-	-	-	<0.41 U	<1.7 U	-	<0.25 U	<0.098 U	-	<0.024 U	<1 U	<0.52 U	-	<0.22 U	<0.021 U	-	<0.021 U	-	-	<0.11 U	<1 U
1,2-Dichlorobenzene		500	1000	-	-	-	-	-	<0.21 U	<0.9 U	-	<0.13 U	<0.051 U	-	<0.012 U	<0.54 U	<0.27 U	-	<0.11 U	<0.011 U	-	<0.011 U	-	-	<0.057 U	<0.52 U
1,2-Dichloroethane		30	60	-	-	-	-	-	<0.38 U	<1.6 U	-	<0.23 U	<0.09 U	-	<0.022 U	<0.96 U	<0.48 U	-	<0.2 U	<0.019 U	-	<0.019 U	-	-	<0.1 U	<0.94 U
1,2-Dichloroethene, Total				-	-	-	-	-	<0.2 U	<0.85 U	-	<0.12 U	<0.048 U	-	<0.012 U	<0.51 U	<0.26 U	-	<0.11 U	<0.01 U	-	<0.01 U	-	-	<0.054 U	<0.5 U
1,2-Dichloropropane				-	-	-	-	-	<0.18 U	<0.78 U	-	<0.11 U	<0.044 U	-	<0.011 U	<0.47 U	<0.24 U	-	<0.098 U	<0.0094 U	-	<0.0094 U	-	-	<0.05 U	<0.46 U
1,3,5-Trimethylbenzene		190	380	-	-	-	-	-	**2.5** J	**5.7** J	-	**3.6**	**1.1**	-	**1.6**	**5.6** J	**3.6** J	-	**13**	**0.037** J	-	**2.6**	-	-	**1.6**	**11**
1,3-Dichlorobenzene		280	560	-	-	-	-	-	<0.22 U	<0.92 U	-	<0.13 U	<0.052 U	-	<0.013 U	<0.55 U	<0.28 U	-	<0.12 U	<0.011 U	-	<0.011 U	-	-	<0.059 U	<0.54 U
1,3-Dichloropropene, Total				-	-	-	-	-	<0.23 U	<0.98 U	-	<0.14 U	<0.056 U	-	<0.014 U	<0.59 U	<0.3 U	-	<0.12 U	<0.012 U	-	<0.012 U	-	-	<0.063 U	<0.58 U
1,4-Dichlorobenzene		130	250	-	-	-	-	-	<0.25 U	<1.1 U	-	<0.15 U	<0.06 U	-	<0.015 U	<0.64 U	<0.32 U	-	<0.13 U	<0.013 U	-	<0.013 U	-	-	<0.068 U	<0.62 U
1,4-Dioxane		130	250	-	-	-	-	-	<51 U	<220 U	-	<31 U	<12 U	-	<3 U	<130 U	<66 U	-	<28 U	<2.6 U	-	<14 U	-	-	<14 U	<130 U
2-Butanone		500	1000	-	-	-	-	-	<3.2 U	<14 U	-	<2 U	<0.78 U	-	<0.19 U	<8.3 U	<4.2 U	-	<1.8 U	<0.17 U	-	<0.17 U	-	-	<0.88 U	<8.1 U
2-Hexanone				-	-	-	-	-	<1.7 U	<7.3 U	-	<1 U	<0.42 U	-	<0.1 U	<4.4 U	<2.2 U	-	<0.93 U	<0.089 U	-	<0.088 U	-	-	<0.47 U	<4.3 U
4-Methyl-2-pentanone				-	-	-	-	-	<1.9 U	<8 U	-	<1.1 U	<0.45 U	-	<0.11 U	<4.8 U	<2.4 U	-	<1 U	<0.097 U	-	<0.096 U	-	-	<0.51 U	<4.6 U
Acetone		500	1000	-	-	-	-	-	<7 U	<30 U	-	<4.3 U	<1.7 U	-	**0.46** J	<18 U	<9.1 U	-	<3.8 U	**0.45** J	-	<0.36 U	-	-	<1.9 U	<18 U
Benzene		44	89	-	-	-	-	-	**35**	**21**	-	**4.3**	**20**	-	**25**	**150**	**32**	-	**99**	**4**	-	**23**	-	-	**170**	**12**
Bromochloromethane				-	-	-	-	-	<0.3 U	<1.3 U	-	<0.18 U	<0.072 U	-	<0.018 U	<0.76 U	<0.39 U	-	<0.16 U	<0.016 U	-	<0.015 U	-	-	<0.081 U	<0.75 U
Bromodichloromethane				-	-	-	-	-	<0.16 U	<0.68 U	-	<0.097 U	<0.038 U	-	<0.0094 U	<0.41 U	<0.2 U	-	<0.086 U	<0.0082 U	-	<0.0082 U	-	-	<0.043 U	<0.4 U
Bromoform				-	-	-	-	-	<0.36 U	<1.5 U	-	<0.22 U	<0.086 U	-	<0.021 U	<0.92 U	<0.46 U	-	<0.19 U	<0.019 U	-	<0.018 U	-	-	<0.098 U	<0.9 U
Bromomethane				-	-	-	-	-	<0.85 U	<3.6 U	-	<0.52 U	<0.2 U	-	**0.055** J	<2.2 U	<1.1 U	-	<0.46 U	**0.064** J	-	<0.044 U	-	-	<0.23 U	<2.1 U
Carbon disulfide				-	-	-	-	-	<6.7 U	<28 U	-	<4 U	<1.6 U	-	<0.39 U	<17 U	<8.6 U	-	<3.6 U	<0.34 U	-	<0.34 U	-	-	<1.8 U	<16 U
Carbon tetrachloride		22	44	-	-	-	-	-	<0.34 U	<1.4 U	-	<0.2 U	<0.081 U	-	<0.02 U	<0.86 U	<0.43 U	-	<0.18 U	<0.017 U	-	<0.017 U	-	-	<0.091 U	<0.84 U
Chlorobenzene		500	1000	-	-	-	-	-	<0.19 U	<0.79 U	-	<0.11 U	<0.045 U	-	<0.011 U	<0.47 U	<0.24 U	-	<0.1 U	<0.0096 U	-	<0.0095 U	-	-	<0.05 U	<0.46 U
Chloroethane				-	-	-	-	-	<0.66 U	<2.8 U	-	<0.4 U	<0.16 U	-	<0.039 U	<1.7 U	<0.85 U	-	<0.36 U	<0.034 U	-	<0.034 U	-	-	<0.18 U	<1.6 U
Chloroform		350	700	-	-	-	-	-	<0.2 U	<0.87 U	-	<0.12 U	<0.049 U	-	<0.012 U	<0.52 U	<0.26 U	-	<0.11 U	<0.01 U	-	<0.01 U	-	-	<0.056 U	<0.51 U
Chloromethane				-	-	-	-	-	<1.4 U	<5.8 U	-	<0.83 U	<0.33 U	-	<0.08 U	<3.5 U	<1.8 U	-	<0.73 U	<0.07 U	-	<0.07 U	-	-	<0.37 U	<3.4 U
cis-1,2-Dichloroethene		500	1000	-	-	-	-	-	<0.26 U	<1.1 U	-	<0.16 U	<0.062 U	-	<0.015 U	<0.65 U	<0.33 U	-	<0.14 U	<0.013 U	-	<0.013 U	-	-	<0.069 U	<0.64 U
cis-1,3-Dichloropropene				-	-	-	-	-	<0.23 U	<0.98 U	-	<0.14 U	<0.056 U	-	<0.014 U	<0.59 U	<0.3 U	-	<0.12 U	<0.012 U	-	<0.012 U	-	-	<0.063 U	<0.58 U
Cyclohexane				-	-	-	-	-	<0.8 U	<3.4 U	-	<0.48 U	<0.19 U	-	<0.047 U	<2 U	<1 U	-	<0.43 U	<0.041 U	-	**0.083** J	-	-	<0.22 U	<2 U
Dibromochloromethane				-	-	-	-	-	<0.2 U	<0.87 U	-	<0.12 U	<0.049 U	-	<0.012 U	<0.52 U	<0.26 U	-	<0.11 U	<0.01 U	-	<0.01 U	-	-	<0.056 U	<0.51 U
Dichlorodifluoromethane				-	-	-	-	-	<1.3 U	<5.7 U	-	<0.81 U	<0.32 U	-	<0.079 U	<3.4 U	<1.7 U	-	<0.72 U	<0.069 U	-	<0.068 U	-	-	<0.36 U	<3.3 U
Ethylbenzene		390	780	-	-	-	-	-	**1** J	**8.5**	-	**0.59** J	**0.36**	-	**0.59**	**3.5** J	**2.2**	-	**5**	**0.17**	-	**1.8**	-	-	**4.7**	**9.2**
Freon-113				-	-	-	-	-	<1 U	<4.3 U	-	<0.62 U	<0.24 U	-	<0.06 U	<2.6 U	<1.3 U	-	<0.55 U	<0.052 U	-	<0.052 U	-	-	<0.27 U	<2.5 U
Isopropylbenzene				-	-	-	-	-	<0.16 U	**0.8** J	-	**0.18** J	**0.061** J	-	**0.067** J	<0.41 U	<0.2 U	-	**0.19** J	<0.0082 U	-	**0.052** J	-	-	**0.067** J	<0.4 U
Methyl Acetate				-	-	-	-	-	<1.4 U	<5.9 U	-	<0.84 U	**0.44** J	-	**0.28** J	<3.5 U	<1.8 U	-	<0.75 U	**0.31** J	-	**0.17** J	-	-	<0.38 U	<3.4 U
Methyl cyclohexane				-	-	-	-	-	<0.88 U	<3.8 U	-	<0.54 U	**0.26** J	-	**0.26** J	<2.2 U	<1.1 U	-	**1.5** J	<0.046 U	-	**0.31**	-	-	**0.46** J	<2.2 U
Methyl tert butyl ether		500	1000	-	-	-	-	-	<0.29 U	<1.2 U	-	<0.18 U	<0.071 U	-	<0.017 U	<0.75 U	<0.38 U	-	<0.16 U	<0.015 U	-	<0.015 U	-	-	<0.08 U	<0.73 U
Methylene chloride		500	1000	-	-	-	-	-	<3.4 U	<14 U	-	<2 U	<0.8 U	-	<0.2 U	<8.5 U	<4.3 U	-	<1.8 U	<0.17 U	-	<0.17 U	-	-	<0.91 U	<8.3 U
n-Butylbenzene		500	1000	-	-	-	-	-	<0.24 U	<1 U	-	<0.15 U	<0.059 U	-	**0.058** J	<0.62 U	<0.31 U	-	**0.16** J	<0.013 U	-	**0.031** J	-	-	<0.066 U	<0.61 U
n-Propylbenzene		500	1000	-	-	-	-	-	<0.25 U	<1.1 U	-	**0.28** J	**0.062** J	-	**0.083** J	<0.64 U	<0.32 U	-	**0.5** J	<0.013 U	-	**0.12**	-	-	<0.068 U	<0.62 U
Naphthalene		500	1000	-	-	-	-	-	**560**	**1500**	-	**520**	**170**	-	**320**	**1400**	**930**	-	**520**	**0.59**	-	**43**	-	-	**93**	**1500**
o-Xylene				-	-	-	-	-	**2.9**	**5.7** J	-	**2.8**	**1.2**	-	**1.4**	**12**	**4.9**	-	**23**	**0.19**	-	**5**	-	-	**5.6**	**5.8**
p-Isopropyltoluene				-	-	-	-	-	<0.16 U	**0.9** J	-	**0.24** J	**0.11** J	-	**0.11**	<0.41 U	<0.2 U	-	**0.23** J	**0.011** J	-	**0.048** J	-	-	<0.043 U	**0.62** J
p/m-Xylene				-	-	-	-	-	**13**	**17**	-	**8**	**3.7**	-	**4.8**	**54**	**22**	-	**93**	**0.35**	-	**20**	-	-	**20**	**34**
sec-Butylbenzene		500	1000	-	-	-	-	-	<0.21 U	<0.91 U	-	<0.13 U	<0.051 U	-	**0.041** J	<0.54 U	<0.28 U	-	<0.12 U	<0.011 U	-	<0.011 U	-	-	<0.058 U	<0.53 U
Styrene				-	-	-	-	-	**0.65** J	<1.2 U	-	**1.7**	**0.91**	-	**0.46**	**7.5**	**2.6**	-	**20**	<0.015 U	-	**4.8**	-	-	**1**	**1.8** J
tert-Butylbenzene		500	1000	-	-	-	-	-	<0.17 U	<0.73 U	-	<0.1 U	<0.042 U	-	<0.01 U	<0.44 U	<0.22 U	-	<0.093 U	<0.0089 U	-	<0.0088 U	-	-	<0.047 U	<0.43 U
Tetrachloroethene		150	300	-	-	-	-	-	<0.29 U	<1.2 U	-	<0.17 U	<0.069 U	-	<0.017 U	<0.73 U	<0.37 U	-	<0.15 U	<0.015 U	-	<0.015 U	-	-	<0.078 U	<0.71 U
Toluene		500	1000	-	-	-	-	-	**13**	**12**	-	**3.4**	**5.8**	-	**6.9**	**100**	**26**	-	**120**	**0.27**	-	**23**	-	-	**15**	**10**
trans-1,2-Dichloroethene		500	1000	-	-	-	-	-	<0.2 U	<0.85 U	-	<0.12 U	<0.048 U	-	<0.012 U	<0.51 U	<0.26 U	-	<0.11 U	<0.01 U	-	<0.01 U	-	-	<0.054 U	<0.5 U
trans-1,3-Dichloropropene				-	-	-	-	-	<0.4 U	<1.7 U	-	<0.24 U	<0.096 U	-	<0.024 U	<1 U	<0.51 U	-	<0.22 U	<0.021 U	-	<0.02 U	-	-	<0.11 U	<0.99 U
Trichloroethene		200	400	-	-	-	-	-	<0.2 U	<0.85 U	-	<0.12 U	<0.048 U	-	<0.012 U	<0.51 U	<0.26 U	-	<0.11 U	<0.01 U	-	<0.01 U	-	-	<0.054 U	<0.5 U
Trichlorofluoromethane				-	-	-	-	-	<1 U	<4.3 U	-	<0.62 U	<0.24 U	-	<0.06 U	<2.6 U	<1.3 U	-	<0.55 U	<0.052 U	-	<0.052 U	-	-	<0.28 U	<2.5 U
Vinyl chloride		13	27	-	-	-	-	-	<0.49 U	<2.1 U	-	<0.3 U	<0.12 U	-	<0.029 U	<1.2 U	<0.63 U	-	<0.26 U	<0.025 U	-	<0.025 U	-	-	<0.13 U	<1.2 U
Xylenes, Total		500	1000	-	-	-	-	-	**16**	**23** J	-	**11**	**4.9**	-	**6.2**	**66**	**27**	-	**120**	**0.54**	-	**25**	-	-	**26**	**40**

Table 8C
Secondary Containment IRM Workplan - Closure Sampling
Weak Ammonia Liquor Area Tanks ST01, ST02, PT02, and PT03
Riverview Innovation Technology Campus, Inc.
Tonawanda, New York

ANALYTE			SAMPLE ID:	WAL-01-07252023	WAL-02-07252023	WAL-03-07252023	WAL-04-07252023	WAL-05-07252023	WAL-06-07252023	WAL-07-07252023	WAL-08-07252023	WAL-09-07252023	WAL-10-07252023	WAL-11-07252023	WAL-12-07252023	WAL-13-07252023	WAL-14-07252023	WAL-15-07252023	WAL-16-07252023	WAL-17-07252023	WAL-18-07252023	WAL-19-07252023	WAL-20-07252023	WAL-21-07252023	WAL-22-07252023	WAL-23-07252023
			LAB ID:	L2342740-01	L2342740-02	L2342740-03	L2342740-04	L2342740-05	L2342740-06	L2342740-07	L2342740-08	L2342740-09	L2342740-10	L2342740-11	L2342740-12	L2342740-13	L2342740-14	L2342740-15	L2342740-16	L2342740-17	L2342740-18	L2342740-19	L2342740-20	L2342740-21	L2342740-22	L2342740-23
			COLLECTION DATE:	7/13/2023	7/13/2023	7/14/2023	7/13/2023	7/13/2023	7/14/2023	7/14/2023	7/17/2023	7/17/2023	7/17/2023	7/17/2023	7/17/2023	7/14/2023	7/14/2023	7/14/2023	7/24/2023	7/24/2023	7/19/2023	7/19/2023	7/18/2023	7/25/2023	7/19/2023	7/19/2023
			SAMPLE DEPTH:	2' BGS	Fill - Clay Interface	4' BGS	2' BGS	3' BGS	4' BGS	4' BGS	4' BGS	4' BGS	4' - 5' BGS	3' - 4' BGS	3' - 4' BGS	5' BGS	Fill - Clay Interface	Fill - Clay Interface	5' BGS	5' BGS	2' BGS	4' BGS	5' BGS	Fill - Clay Interface	4' BGS	4' BGS
			SAMPLE MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			SAMPLE LOCATION:	NW CORNER	NE CORNER	WESTERN MOST FORMER TANK PAD	WESTERN MOST FORMER TANK PAD	SW EDGE	PT02 PAD	PT02 PAD	NORTH END OF ST01 AND ST02	CENTER OF ST01 AND ST02	SOUTH OF ST01 AND ST02	SOUTH WALL	SOUTH MIDDLE	BETWEEN PT02 AND PT03	BETWEEN AND NORTH OF PT02 AND PT03	NORTH CORNER ON LOA BORDER	PT03 SUMP (NORTH)	CENTER OF PT03	SE WALL (SE OF PT03)	SE WALL (EAST OF PT03)	UNDER PADS IN NE WAL AREA	UNDER PADS IN NE WAL AREA (NORTH OF WAL-21)	NE CORNER	NE CORNER (EAST OF WAL-20)
	EPA TCLP	PART 375 COMMERICAL SCOs	PART 375 INDUSTRIAL SCOs																							
	(mg/l)	(mg/kg)	(mg/kg)																							
SEMIVOLATILE ORGANICS BY GC/MS																										
1,2,4,5-Tetrachlorobenzene				<0.56 U	<0.056 U	<0.71 U	<0.022 U	<0.064 U	<0.065 U	<0.3 U	<0.064 U	<0.36 U	<0.066 U	<0.07 U	<0.34 U	<0.063 U	<0.11 U	<0.076 U	<0.063 U	<0.064 U	<0.062 U	<0.065 U	<0.62 U	<0.054 U	<0.33 U	<0.067 U
1,2,4-Trichlorobenzene				<0.62 U	<0.061 U	<0.78 U	<0.024 U	<0.071 U	<0.071 U	<0.33 U	<0.07 U	<0.39 U	<0.073 U	<0.077 U	<0.38 U	<0.069 U	<0.12 U	<0.083 U	<0.069 U	<0.07 U	<0.068 U	<0.071 U	<0.68 U	<0.059 U	<0.36 U	<0.073 U
1,2-Dichlorobenzene		500	1000	<0.97 U	<0.096 U	<1.2 U	<0.037 U	<0.11 U	<0.11 U	<0.52 U	<0.11 U	<0.61 U	<0.11 U	<0.12 U	<0.59 U	<0.11 U	<0.19 U	<0.13 U	<0.11 U	<0.11 U	<0.11 U	<0.11 U	<1.1 U	<0.092 U	<0.56 U	<0.12 U
1,3-Dichlorobenzene		280	560	<0.93 U	<0.092 U	<1.2 U	<0.036 U	<0.11 U	<0.11 U	<0.5 U	<0.1 U	<0.58 U	<0.11 U	<0.12 U	<0.57 U	<0.1 U	<0.18 U	<0.12 U	<0.1 U	<0.11 U	<0.1 U	<0.11 U	<1 U	<0.088 U	<0.54 U	<0.11 U
1,4-Dichlorobenzene		130	250	<0.94 U	<0.093 U	<1.2 U	<0.036 U	<0.11 U	<0.11 U	<0.5 U	<0.11 U	<0.59 U	<0.11 U	<0.12 U	<0.58 U	<0.1 U	<0.18 U	<0.13 U	<0.11 U	<0.11 U	<0.1 U	<0.11 U	<1 U	<0.09 U	<0.55 U	<0.11 U
1,4-Dioxane		130	250	<0.25 U	<0.024 U	<0.31 U	<0.0096 U	<0.028 U	<0.028 U	<0.13 U	<0.028 U	<0.16 U	<0.029 U	<0.031 U	<0.15 U	<0.028 U	<0.048 U	<0.033 U	<0.028 U	<0.028 U	<0.027 U	<0.029 U	<0.27 U	<0.024 U	<0.14 U	<0.03 U
2,4,5-Trichlorophenol				<1 U	<0.1 U	<1.3 U	<0.04 U	<0.12 U	<0.12 U	<0.55 U	<0.12 U	<0.65 U	<0.12 U	<0.13 U	<0.63 U	<0.12 U	<0.2 U	<0.14 U	<0.12 U	<0.12 U	<0.11 U	<0.12 U	<1.1 U	<0.099 U	<0.6 U	<0.12 U
2,4,6-Trichlorophenol				<1 U	<0.1 U	<1.3 U	<0.04 U	<0.12 U	<0.12 U	<0.55 U	<0.12 U	<0.64 U	<0.12 U	<0.13 U	<0.62 U	<0.11 U	<0.2 U	<0.14 U	<0.12 U	<0.12 U	<0.11 U	<0.12 U	<1.1 U	<0.098 U	<0.6 U	<0.12 U
2,4-Dichlorophenol				<0.87 U	<0.086 U	<1.1 U	<0.034 U	<0.099 U	<0.1 U	<0.46 U	<0.098 U	<0.55 U	<0.1 U	<0.11 U	<0.53 U	<0.097 U	<0.17 U	<0.12 U	<0.098 U	<0.099 U	<0.095 U	<0.1 U	<0.95 U	<0.083 U	<0.51 U	<0.1 U
2,4-Dimethylphenol				<1.8 U	**1.1**	<2.2 U	**0.18** J	**0.56** J	**0.56** J	**2.2** J	**1.2**	<1.1 U	**1.4**	**0.45** J	**1.8** J	**2.1**	**0.87** J	**0.56** J	**0.41** J	<0.2 U	<0.2 U	<0.21 U	<2 U	**0.18** J	<1 U	<0.21 U
2,4-Dinitrophenol				<2.5 U	<0.25 U	<3.2 U	<0.097 U	<0.29 U	<0.29 U	<1.3 U	<0.28 U	<1.6 U	<0.3 U	<0.32 U	<1.5 U	<0.28 U	<0.49 U	<0.34 U	<0.28 U	<0.29 U	<0.28 U	<0.29 U	<2.8 U	<0.24 U	<1.5 U	<0.3 U
2,4-Dinitrotoluene				<1.1 U	<0.11 U	<1.4 U	<0.042 U	<0.12 U	<0.12 U	<0.58 U	<0.12 U	<0.68 U	<0.13 U	<0.14 U	<0.66 U	<0.12 U	<0.21 U	<0.14 U	<0.12 U	<0.12 U	<0.12 U	<0.12 U	<1.2 U	<0.1 U	<0.63 U	<0.13 U
2,6-Dinitrotoluene				<0.93 U	<0.092 U	<1.2 U	<0.036 U	<0.11 U	<0.11 U	<0.49 U	<0.1 U	<0.58 U	<0.11 U	<0.12 U	<0.57 U	<0.1 U	<0.18 U	<0.12 U	<0.1 U	<0.1 U	<0.1 U	<0.11 U	<1 U	<0.088 U	<0.54 U	<0.11 U
2-Chloronaphthalene				<0.54 U	<0.053 U	<0.67 U	<0.021 U	<0.061 U	<0.062 U	<0.28 U	<0.06 U	<0.34 U	<0.063 U	<0.067 U	<0.33 U	<0.06 U	<0.1 U	<0.072 U	<0.06 U	<0.061 U	<0.059 U	<0.062 U	<0.59 U	<0.051 U	<0.31 U	<0.064 U
2-Chlorophenol				<0.64 U	<0.063 U	<0.8 U	<0.025 U	<0.073 U	<0.073 U	<0.34 U	<0.072 U	<0.4 U	<0.075 U	<0.08 U	<0.39 U	<0.071 U	<0.12 U	<0.086 U	<0.072 U	<0.073 U	<0.07 U	<0.074 U	<0.7 U	<0.061 U	<0.37 U	<0.076 U
2-Methylnaphthalene				**2.8** J	**1.9**	**69**	**0.61**	**40**	**8.7**	**230**	**57**	**39**	**25**	**2.3**	**43**	**14**	**22**	**3**	**2.3**	<0.074 U	**0.47** J	**0.93**	**83**	**11**	**2.7** J	**9.2**
2-Methylphenol		500	1000	**2** J	**4.5**	**4.4** J	**0.22** J	**1.1**	**0.65**	<0.45 U	**2.8**	**0.97** J	**3.8**	**0.86**	**7.2**	**4.9**	**0.63** J	**1**	**1**	<0.096 U	**0.15** J	**0.2** J	<0.92 U	**0.62**	**0.59** J	**0.9**
2-Nitroaniline				<1 U	<0.1 U	<1.3 U	<0.04 U	<0.12 U	<0.12 U	<0.56 U	<0.12 U	<0.66 U	<0.12 U	<0.13 U	<0.64 U	<0.12 U	<0.2 U	<0.14 U	<0.12 U	<0.12 U	<0.11 U	<0.12 U	<1.1 U	<0.099 U	<0.61 U	<0.12 U
2-Nitrophenol				<2 U	<0.2 U	<2.6 U	<0.078 U	<0.23 U	<0.23 U	<1.1 U	<0.23 U	<1.3 U	<0.24 U	<0.25 U	<1.2 U	<0.23 U	<0.4 U	<0.27 U	<0.23 U	<0.23 U	<0.22 U	<0.23 U	<2.2 U	<0.19 U	<1.2 U	<0.24 U
3,3'-Dichlorobenzidine				<1.4 U	<0.14 U	<1.8 U	<0.055 U	<0.16 U	<0.16 U	<0.77 U	<0.16 U	<0.9 U	<0.17 U	<0.18 U	<0.88 U	<0.16 U	<0.28 U	<0.19 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<1.6 U	<0.14 U	<0.84 U	<0.17 U
3-Methylphenol/4-Methylphenol		500	1000	**5.8** J	**13**	**8.7** J	**0.69**	**3.4**	**0.56** J	**2.2** J	**9.3**	**3.5** J	**12**	**1.8**	**35**	**14**	**1.4** J	**3.4**	**2.1**	<0.097 U	**0.35** J	**0.45** J	**1.8** J	**1.3**	**0.54** J	**2.1**
3-Nitroaniline				<1 U	<0.1 U	<1.3 U	<0.039 U	<0.12 U	<0.12 U	<0.54 U	<0.11 U	<0.64 U	<0.12 U	<0.13 U	<0.62 U	<0.11 U	<0.2 U	<0.14 U	<0.11 U	<0.12 U	<0.11 U	<0.12 U	<1.1 U	<0.097 U	<0.59 U	<0.12 U
4,6-Dinitro-o-cresol				<2.6 U	<0.26 U	<3.3 U	<0.1 U	<0.3 U	<0.3 U	<1.4 U	<0.29 U	<1.6 U	<0.3 U	<0.32 U	<1.6 U	<0.29 U	<0.51 U	<0.35 U	<0.29 U	<0.3 U	<0.28 U	<0.3 U	<2.8 U	<0.25 U	<1.5 U	<0.31 U
4-Bromophenyl phenyl ether				<0.82 U	<0.081 U	<1 U	<0.032 U	<0.094 U	<0.095 U	<0.44 U	<0.093 U	<0.52 U	<0.097 U	<0.1 U	<0.5 U	<0.092 U	<0.16 U	<0.11 U	<0.093 U	<0.094 U	<0.09 U	<0.095 U	<0.9 U	<0.078 U	<0.48 U	<0.098 U
4-Chloroaniline				<0.98 U	<0.097 U	<1.2 U	<0.038 U	<0.11 U	<0.11 U	<0.52 U	<0.11 U	<0.62 U	<0.12 U	<0.12 U	<0.6 U	<0.11 U	<0.19 U	<0.13 U	<0.11 U	<0.11 U	<0.11 U	<0.11 U	<1.1 U	<0.094 U	<0.57 U	<0.12 U
4-Chlorophenyl phenyl ether				<0.58 U	<0.057 U	<0.73 U	<0.022 U	<0.066 U	<0.066 U	<0.31 U	<0.065 U	<0.36 U	<0.068 U	<0.072 U	<0.35 U	<0.064 U	<0.11 U	<0.077 U	<0.065 U	<0.066 U	<0.063 U	<0.067 U	<0.64 U	<0.055 U	<0.34 U	<0.069 U
4-Nitroaniline				<2.2 U	<0.22 U	<2.8 U	<0.086 U	<0.26 U	<0.26 U	<1.2 U	<0.25 U	<1.4 U	<0.26 U	<0.28 U	<1.4 U	<0.25 U	<0.44 U	<0.3 U	<0.25 U	<0.26 U	<0.24 U	<0.26 U	<2.4 U	<0.21 U	<1.3 U	<0.26 U
4-Nitrophenol				<2.2 U	<0.22 U	<2.8 U	<0.085 U	<0.25 U	<0.25 U	<1.2 U	<0.25 U	<1.4 U	<0.26 U	<0.28 U	<1.3 U	<0.24 U	<0.43 U	<0.3 U	<0.25 U	<0.25 U	<0.24 U	<0.25 U	<2.4 U	<0.21 U	<1.3 U	<0.26 U
Acenaphthene		500	1000	**2.3** J	**1.6**	**6.8**	**0.17**	**5.5**	**4.6**	**220**	**72**	**70**	**53**	**3.6**	**26**	**1.6**	**4.6**	**0.4** J	**0.28** J	<0.064 U	**0.1** J	**0.22** J	**19**	**2.4**	**0.55** J	**1.4**
Acenaphthylene		500	1000	**23**	**7.7**	**62**	**0.72**	**54**	**5.8**	**70**	**59**	**5.1**	**36**	**2**	**29**	**16**	**27**	**4.2**	**2.6**	<0.095 U	**0.44** J	**0.67**	**83**	**11**	**3.8**	**2.2**
Acetophenone				<0.67 U	**0.18** J	<0.84 U	<0.026 U	<0.076 U	**0.11** J	<0.36 U	**0.29** J	<0.42 U	**0.26** J	<0.084 U	<0.41 U	**0.14** J	<0.13 U	<0.09 U	**0.19** J	<0.076 U	<0.073 U	<0.077 U	<0.73 U	<0.064 U	<0.39 U	**0.36** J
Anthracene		500	1000	**14**	**7.5**	**52**	**0.51**	**50**	**7.7**	**94**	**58**	**5.4**	**48**	**2.3**	**30**	**8.4**	**19**	**2.2**	**1.9**	<0.12 U	**0.38**	**0.54**	**46**	**7.8**	**2.2**	**0.79**
Benzo(a)anthracene		5.6	11	**79**	**16**	**65**	**0.71**	**53**	**8.6**	**340**	**58**	**5.8**	**58**	**3.6**	**29**	**10**	**18**	**3.4**	**2.6**	**0.075** J	**1.4**	**1.4**	**58**	**12**	**5.8**	**1.2**
Benzo(a)pyrene		1	1.1	**77**	**14**	**52**	**1**	**42**	**7.8**	**92**	**53**	**4.9**	**47**	**3.2**	**22**	**8.6**	**15**	**2.8**	**2.3**	<0.15 U	**0.88**	**1.7**	**49**	**12**	**7.4**	**2**
Benzo(b)fluoranthene		5.6	11	**120**	**19**	**65**	**0.82**	**54**	**9**	**110**	**70**	**6**	**60**	**4.1**	**29**	**11**	**18**	**3.7**	**3.1**	<0.1 U	**1.2**	**2.4**	**70**	**16**	**9.9**	**2.7**
Benzo(ghi)perylene		500	1000	**54**	**7.1**	**23**	**3.9**	**16**	**3.9**	**54**	**30**	**2.4** J	**23**	**1.4**	**12**	**4.4**	**8.2**	**1.3**	**1**	<0.072 U	**0.5**	**1.1**	**30**	**7.6**	**5.2**	**1.5**
Benzo(k)fluoranthene		56	110	**28**	**5.6**	**24**	**0.37**	**9.7**	**3**	**26**	**15**	**2.4**	**13**	**1.3**	**7.5**	**2.8**	**5.7**	**0.94**	**0.79**	<0.099 U	**0.36**	**0.58**	**17**	**4.3**	**3**	**0.6**
Benzoic Acid				<5.5 U	<0.54 U	<6.9 U	<0.21 U	<0.63 U	<0.63 U	<2.9 U	<0.62 U	<3.4 U	<0.64 U	<0.68 U	<3.3 U	<0.61 U	<1.1 U	<0.73 U	<0.61 U	<0.62 U	<0.6 U	<0.63 U	<6 U	<0.52 U	<3.2 U	<0.65 U
Benzyl Alcohol				<1.6 U	<0.16 U	<2.1 U	<0.064 U	<0.19 U	<0.19 U	<0.88 U	<0.19 U	<1 U	<0.19 U	<0.21 U	<1 U	<0.18 U	<0.32 U	<0.22 U	<0.18 U	<0.19 U	<0.18 U	<0.19 U	<1.8 U	<0.16 U	<0.96 U	<0.2 U
Biphenyl				**1** J	**0.93** J	**14** J	**0.13** J	**7.4**	**1.8**	**36**	**16**	**18**	**9.9**	**0.9** J	**12**	**2.6**	**2.4**	**0.54** J	**0.43** J	<0.08 U	**0.087** J	**0.13** J	**11** J	**1.6**	**0.46** J	**0.9** J
Bis(2-chloroethoxy)methane				<0.54 U	<0.053 U	<0.68 U	<0.021 U	<0.062 U	<0.062 U	<0.29 U	<0.061 U	<0.34 U	<0.064 U	<0.068 U	<0.33 U	<0.06 U	<0.1 U	<0.072 U	<0.061 U	<0.062 U	<0.059 U	<0.063 U	<0.59 U	<0.052 U	<0.32 U	<0.064 U
Bis(2-chloroethyl)ether				<0.73 U	<0.072 U	<0.92 U	<0.028 U	<0.084 U	<0.084 U	<0.39 U	<0.082 U	<0.46 U	<0.086 U	<0.092 U	<0.45 U	<0.082 U	<0.14 U	<0.098 U	<0.082 U	<0.084 U	<0.08 U	<0.085 U	<0.8 U	<0.07 U	<0.43 U	<0.087 U
Bis(2-chloroisopropyl)ether				<0.92 U	<0.091 U	<1.2 U	<0.036 U	<0.1 U	<0.11 U	<0.49 U	<0.1 U	<0.58 U	<0.11 U	<0.12 U	<0.56 U	<0.1 U	<0.18 U	<0.12 U	<0.1 U	<0.1 U	<0.1 U	<0.11 U	<1 U	<0.088 U	<0.54 U	<0.11 U
Bis(2-ethylhexyl)phthalate				<1.9 U	<0.18 U	<2.4 U	<0.072 U	<0.21 U	<0.22 U	<1 U	<0.21 U	<1.2 U	<0.22 U	<0.23 U	<1.1 U	<0.21 U	<0.36 U	<0.25 U	<0.21 U	<0.21 U	<0.2 U	<0.22 U	<2 U	<0.18 U	<1.1 U	<0.22 U
Butyl benzyl phthalate				<1.4 U	<0.13 U	<1.7 U	<0.052 U	<0.16 U	<0.16 U	<0.73 U	<0.15 U	<0.86 U	<0.16 U	<0.17 U	<0.83 U	<0.15 U	<0.26 U	<0.18 U	<0.15 U	<0.16 U	<0.15 U	<0.16 U	<1.5 U	<0.13 U	<0.79 U	<0.16 U
Carbazole				**14**	**3.6**	**23**	**0.23**	**18**	**3.1**	**46**	**17**	**1.8** J	**10**	**0.99**	**12**	**6.4**	**8.7**	**1.5**	**1.3**	<0.06 U	**0.3** J	**0.45** J	**34**	**4**	**0.95** J	**1.1**
Chrysene		56	110	**71**	**15**	**55**	**0.67**	**50**	**8.3**	**77**	**60**	**4.8**	**53**	**3.1**	**25**	**7.8**	**16**	**2.7**	**2.6**	**0.072** J	**0.93**	**1.6**	**53**	**13**	**5.5**	**1.5**
Di-n-butylphthalate				<1 U	<0.1 U	<1.3 U	<0.04 U	<0.12 U	<0.12 U	<0.55 U	<0.12 U	<0.64 U	<0.12 U	<0.13 U	<0.62 U	<0.11 U	<0.2 U	<0.14 U	<0.12 U	<0.12 U	<0.11 U	<0.12 U	<1.1 U	**6.1**	<0.6 U	<0.12 U
Di-n-octylphthalate				<1.8 U	<0.18 U	<2.3 U	<0.071 U	<0.21 U	<0.21 U	<0.98 U	<0.21 U	<1.2 U	<0.22 U	<0.23 U	<1.1 U	<0.2 U	<0.36 U	<0.25 U	<0.21 U	<0.21 U	<0.2 U	<0.21 U	<2 U	<0.18 U	<1.1 U	<0.22 U
Dibenzo(a,h)anthracene		0.56	1.1	**12**	**2.1**	**6.4**	**0.76**	**5**	**0.99**	**15**	**7.9**	**0.65** J	**6**	**0.37** J	**3.6**	**1.1**	**2.4**	**0.41** J	**0.31** J	<0.071 U	**0.14** J	**0.26** J	**9.1**	**1.8**	**1.4** J	**0.34** J
Dibenzofuran		350	1000	**5.9**	**4.5**	**48**	**0.38**	**38**	**5.7**	**99**	**97**	**86**	**89**	**3.4**	**45**	**9.4**	**16**	**2.4**	**1.5**	<0.058 U	**0.32** J	**0.38** J	**41**	**6.1**	**1.4** J	**1.2**
Diethyl phthalate				<0.5 U	<0.049 U	<0.63 U	<0.019 U	<0.057 U	<0.058 U	<0.27 U	<0.056 U	<0.32 U	<0.059 U	<0.063 U	<0.3 U	<0.056 U	<0.098 U	<0.067 U	<0.056 U	<0.057 U	<0.055 U	<0.058 U	<0.55 U	<0.048 U	<0.29 U	<0.059 U
Dimethyl phthalate				<1.1 U	<0.11 U	<1.4 U	<0.044 U	<0.13 U	<0.13 U	<0.6 U	<0.13 U	<0.72 U	<0.13 U	<0.14 U	<0.69 U	<0.13 U	<0.22 U	<0.15 U	<0.13 U	<0.13 U	<0.12 U	<0.13 U	<1.2 U	<0.11 U	<0.66 U	<0.13 U
Fluoranthene		500	1000	**150**	**56**	**160**	**1.6**	**130**	**22**	**370**	**190**	**17**	**150**	**7.9**	**83**	**40**	**72**	**8.8**	**6.1**	**0.12** J	**1.8**	**3.2**	**150**	**39**	**9.2**	**3.1**
Fluorene		500	1000	**8.7**	**7.6**	**69**	**0.52**	**56**	**8.7**	**160**	**63**	**21**	**57**	**3**	**34**	**15**	**24**	**4.4**	**2.3**	**0.075** J	**0.43** J	**0.49** J	**65**	**10**	**1.7** J	**1.5**
Hexachlorobenzene		6	12	<0.6 U	<0.06 U	<0.76 U	<0.023 U	<0.069 U	<0.07 U	<0.32 U	<0.068 U	<0.38 U	<0.071 U	<0.076 U	<0.37 U	<0.067 U	<0.12 U	<0.081 U	<0.068 U	<0.069 U	<0.066 U	<0.07 U	<0.66 U	<0.058 U	<0.35 U	<0.072 U
Hexachlorobutadiene				<0.79 U	<0.078 U	<1 U	<0.03 U	<0.09 U	<0.091 U	<0.42 U	<0.089 U	<0.5 U	<0.093 U	<0.099 U	<0.48 U	<0.088 U	<0.15 U	<0.11 U	<0.089 U	<0.09 U	<0.086 U	<0.091 U	<0.87 U	<0.075 U	<0.46 U	<0.094 U
Hexachlorocyclopentadiene				<4.9 U	<0.48 U	<6.2 U	<0.19 U	<0.56 U	<0.56 U	<2.6 U	<0.55 U	<3.1 U	<0.58 U	<0.61 U	<3 U	<0.54 U	<0.96 U	<0.66 U	<0.55 U	<0.56 U	<0.54 U	<0.57 U	<5.4 U	<0.47 U	<2.8 U	<0.58 U
Hexachloroethane				<0.87 U	<0.086 U	<1.1 U	<0.034 U	<0.1 U	<0.1 U	<0.47 U	<0.098 U	<0.55 U	<0.1 U	<0.11 U	<0.53 U	<0.097 U	<0.17 U	<0.12 U	<0.098 U	<0.1 U	<0.096 U	<0.1 U	<0.96 U	<0.083 U	<0.51 U	<0.1 U
Indeno(1,2,3-cd)pyrene		5.6	11	**69**	**9**	**27**	**2.7**	**16**	**4.6**	**53**	**29**	**2.8**	**24**	**1.6**	**12**	**5.6**	**8**	**1.7**	**1.2**	<0.086 U	**0.56**	**1.4**	**28**	**9.6**	**4.8**	**1.8**
Isophorone				<0.7 U	<0.069 U	<0.88 U	<0.027 U	<0.08 U	<0.081 U	<0.37 U	<0.079 U	<0.44 U	<0.082 U	<0.088 U	<0.43 U	<0.078 U	<0.14 U	<0.094 U	<0.079 U	<0.08 U	<0.077 U	<0.081 U	<0.77 U	<0.067 U	<0.41 U	<0.083 U
n-Nitrosodi-n-propylamine				<0.83 U	<0.082 U	<1 U	<0.032 U	<0.096 U	<0.096 U	<0.44 U	<0.094 U	<0.52 U	<0.098 U	<0.1 U	<0.51 U	<0.093 U	<0.16 U	<0.11 U	<0.094 U	<0.095 U	<0.091 U	<0.096 U	<0.92 U	<0.08 U	<0.49 U	<0.099 U
Naphthalene		500	1000	**33**	**41**	**480**	**15**	**320**	**120**	**2100**	**260**	**57**	**96**	**47**	**790**	<0.073 U	**230**	**58**	**38**	**0.44** J	**6.3**	**13**	**1500**	**260**	**48**	**580**
NDPA/DPA				<0.62 U	<0.061 U	<0.77 U	<0.024 U	<0.07 U	<0.071 U	<0.33 U	<0.069 U	<0.39 U	<0.072 U	<0.077 U	<0.38 U	<0.068 U	<0.12 U	<0.082 U	<0.069 U	<0.07 U	<0.067 U	<0.071 U	<0.68 U	<0.059 U	<0.36 U	<0.073 U
Nitrobenzene				<0.8 U	<0.079 U	<1 U	<0.031 U	<0.092 U	<0.092 U	<0.43 U	<0.09 U	<0.5 U	<0.094 U	<0.1 U	<0.49 U	<0.089 U	<0.16 U	<0.11 U	<0.09 U	<0.091 U	<0.088 U	<0.092 U	<0.88 U	<0.076 U	<0.47 U	<0.095 U
p-Chloro-m-cresol				<0.8 U	<0.079 U	<1 U	<0.031 U	<0.092 U	<0.093 U	<0.43 U	<0.091 U	<0.51 U	<0.095 U	<0.1 U	<0.49 U	<0.09 U	<0.16 U	<0.11 U	<0.09 U	<0.092 U	<0.088 U	<0.093 U	<0.88 U	<0.077 U	<0.47 U	<0.096 U
Pentachlorophenol		6.7	55	<1.2 U	<0.12 U	<1.5 U	<0.046 U	<0.14 U	<0.14 U	<0.63 U	<0.13 U	<0.75 U	<0.14 U	<0.15 U	<0.73 U	<0.13 U	<0.23 U	<0.16 U	<0.13 U	<0.14 U	<0.13 U	<0.14 U	<1.3 U	<0.11 U	<0.69 U	<0.14 U
Phenanthrene		500	1000	**36**	**32**	**190**	**1.8**	**170**	**44**	**520**	**200**	**23**	**160**	**7.9**	**100**	**62**	**100**	**12**	**7.5**	**0.15** J	**1.4**	**2.2**	**190**	**45**	**6.8**	**3.3**
Phenol		500	1000	**7.9**	**12**	**8.4**	**0.59**	**4.1**	**0.35** J	**1.8** J	**8.1**	**8.8**	**20**	**2.6**	**56**	**23**	**1.2**	**4.4**	**4.2**	<0.093 U	**0.34** J	**0.4** J	**2.3** J	**1.9**	**1** J	**2.8**
Pyrene		500	1000	**110**	**41**	**110**	**1.2**	**90**	**16**	**260**	**130**	**12**	**100**	**5.5**	**58**	**18**	**36**	**5.7**	**4.2**	**0.097** J	**1.3**	**2.4**	**100**	**27**	**7.5**	**2.2**
POLYCHLORINATED BIPHENYLS BY GC																										
Aroclor 1016		1	25	-	<0.00474 U	-	<0.00541 U	-	<0.00538 U	-	<0.00539 U	-	<0.00534 U	-	-	<0.00524 U	-	<0.00671 U	<0.0058 U	-	<0.00541 U	<0.00545 U	-	-	<0.00545 U	<0.00574 U
Aroclor 1221		1	25	-	<0.00535 U	-	<0.00611 U	-	<0.00607 U	-	<0.00608 U	-	<0.00602 U	-	-	<0.00592 U	-	<0.00757 U	<0.00655 U	-	<0.00611 U	<0.00614 U	-	-	<0.00615 U	<0.00648 U
Aroclor 1232		1	25	-	<0.0113 U	-	<0.0129 U	-	<0.0128 U	-	<0.0129 U	-	<0.0127 U	-	-	<0.0125 U	-	<0.016 U	<0.0138 U	-	<0.0129 U	<0.013 U	-	-	<0.013 U	<0.0137 U
Aroclor 1242		1	25	-	<0.0072 U	-	<0.00822 U	-	<0.00816 U	-	<0.00819 U	-	<0.0081 U	-	-	<0.00796 U	-	<0.0102 U	<0.00881 U	-	<0.00822 U	<0.00827 U	-	-	<0.00828 U	**0.0425** J
Aroclor 1248		1	25	-	<0.00801 U	-	<0.00914 U	-	<0.00908 U	-	<0.00911 U	-	<0.00902 U	-	-	<0.00886 U	-	<0.0113 U	<0.0098 U	-	<0.00915 U	**0.012** J	-	-	**0.0097** J	<0.0097 U
Aroclor 1254		1	25	-	<0.00584 U	-	<0.00667 U	-	<0.00663 U	-	<0.00664 U	-	**0.0272** J	-	-	<0.00646 U	-	<0.00826 U	<0.00715 U	-	<0.00667 U	**0.0133** J	-	-	**0.00973** J	**0.0192** J
Aroclor 1260		1	25	-	<0.00987 U	-	<0.0113 U	-	<0.0112 U	-	**0.0162** J	-	**0.0152** J	-	-	<0.0109 U	-	<0.014 U	<0.0121 U	-	<0.0113 U	<0.0113 U	-	-	<0.0113 U	<0.012 U
Aroclor 1262		1	25	-	<0.00678 U	-	<0.00774 U	-	<0.00769 U	-	<0.00771 U	-	<0.00763 U	-	-	<0.0075 U	-	<0.00959 U	<0.0083 U	-	<0.00774 U	<0.00779 U	-	-	<0.0078 U	<0.00821 U
Aroclor 1268		1	25	-	<0.00553 U	-	<0.00632 U	-	<0.00627 U	-	<0.00629 U	-	<0.00623 U	-	-	<0.00612 U	-	<0.00783 U	<0.00677 U	-	<0.00632 U	<0.00635 U	-	-	<0.00636 U	<0.0067 U
PCBs, Total		1	25	-	<0.00474 U	-	<0.00541 U	-	<0.00538 U	-	**0.0162** J	-	**0.0424** J	-	-	<0.00524 U	-	<0.00671 U	<0.0058 U	-	<0.00541 U	**0.0253** J	-	-	**0.0194** J	**0.0617** J

Table 8C
Secondary Containment IRM Workplan - Closure Sampling
Weak Ammonia Liquor Area Tanks ST01, ST02, PT02, and PT03
Riverview Innovation Technology Campus, Inc.
Tonawanda, New York

ANALYTE	EPA TCLP (mg/l)	PART 375 COMMERICAL SCOs (mg/kg)	PART 375 INDUSTRIAL SCOs (mg/kg)	SAMPLE ID:	WAL-01-07252023	WAL-02-07252023	WAL-03-07252023	WAL-04-07252023	WAL-05-07252023	WAL-06-07252023	WAL-07-07252023	WAL-08-07252023	WAL-09-07252023	WAL-10-07252023	WAL-11-07252023	WAL-12-07252023	WAL-13-07252023	WAL-14-07252023	WAL-15-07252023	WAL-16-07252023	WAL-17-07252023	WAL-18-07252023	WAL-19-07252023	WAL-20-07252023	WAL-21-07252023	WAL-22-07252023	WAL-23-07252023
				LAB ID:	L2342740-01	L2342740-02	L2342740-03	L2342740-04	L2342740-05	L2342740-06	L2342740-07	L2342740-08	L2342740-09	L2342740-10	L2342740-11	L2342740-12	L2342740-13	L2342740-14	L2342740-15	L2342740-16	L2342740-17	L2342740-18	L2342740-19	L2342740-20	L2342740-21	L2342740-22	L2342740-23
				COLLECTION DATE:	7/13/2023	7/13/2023	7/14/2023	7/13/2023	7/13/2023	7/14/2023	7/14/2023	7/17/2023	7/17/2023	7/17/2023	7/17/2023	7/17/2023	7/14/2023	7/14/2023	7/14/2023	7/24/2023	7/24/2023	7/19/2023	7/19/2023	7/18/2023	7/25/2023	7/19/2023	7/19/2023
				SAMPLE DEPTH:	2' BGS	Fill - Clay Interface	4' BGS	2' BGS	3' BGS	4' BGS	4' BGS	4' BGS	4' BGS	4' BGS	4' - 5' BGS	3' - 4' BGS	5' BGS	Fill - Clay Interface	Fill - Clay Interface	5' BGS	5' BGS	2' BGS	4' BGS	5' BGS	Fill - Clay Interface	4' BGS	4' BGS
				SAMPLE MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				SAMPLE LOCATION:	NW CORNER	NE CORNER	WESTERN MOST FORMER TANK PAD	WESTERN MOST FORMER TANK PAD	SW EDGE	PT02 PAD	PT02 PAD	NORTH END OF ST01 AND ST02	CENTER OF ST01 AND ST02	SOUTH OF ST01 AND ST02	SOUTH WALL	SOUTH MIDDLE	BETWEEN PT02 AND PT03	BETWEEN AND NORTH OF PT02 AND PT03	NORTH CORNER ON LOA BORDER	PT03 SUMP (NORTH)	CENTER OF PT03	SE WALL (SE OF PT03)	SE WALL (EAST OF PT03)	UNDER PADS IN NE WAL AREA	UNDER PADS IN NE WAL AREA (NORTH OF WAL-21)	NE CORNER	NE CORNER (EAST OF WAL-20)
TOTAL METALS																											
Aluminum, Total					**5140**		**5670**		**10000**		**3080**		**2910**		**17000**		**4640**		**13000**		**16900**		**11800**		**12000**		**12000**		**11400**		**14000**		**16100**		**41800**		**14100**		**12800**		**11300**		**7580**		**9680**		**6510**		**3710**	
Antimony, Total					<0.386	U	<0.32	U	<0.432	U	<0.373	U	<0.393	U	<0.388	U	<0.353	U	<0.375	U	<0.421	U	<0.39	U	<0.398	U	<0.399	U	<0.376	U	<0.371	U	<0.448	U	<0.385	U	<0.386	U	<0.378	U	<0.394	U	<0.383	U	**1.04**	J	**0.788**	J	**4.02**	J
Arsenic, Total		16	16		**8.35**		**3.23**		**8.6**		**2.55**		**4.08**		**4.03**		**6.01**		**9.14**		**2.87**		**8.3**		**7.2**		**5.44**		**4.06**		**6.28**		**5.12**		**4.56**		**4**		**7.88**		**6.47**		**7.7**		**5.86**		**10.1**		**8.44**	
Barium, Total		400	10000		**62.5**		**60.6**		**102**		**20.2**		**40.3**		**94.6**		**61.3**		**152**		**115**		**123**		**96**		**128**		**124**		**139**		**165**		**116**		**105**		**97.8**		**94.9**		**105**		**94.8**		**73.2**		**66.2**	
Beryllium, Total		590	2700		**0.726**		**0.482**		**0.681**		**0.141**	J	**0.284**	J	**0.689**		**0.293**	J	**0.98**		**0.947**		**1.02**		**0.654**		**0.858**		**0.605**		**0.79**		**1.11**		**4.12**		**0.85**		**1.06**		**0.487**	J	**0.649**		**1.08**		**0.631**		**0.581**	
Cadmium, Total		9.3	60		**0.584**	J	**0.184**	J	**0.117**	J	<0.096	U	<0.101	U	<0.1	U	**0.184**	J	**0.274**	J	<0.109	U	<0.1	U	<0.103	U	**0.172**	J	<0.097	U	<0.096	U	<0.116	U	<0.099	U	<0.1	U	<0.098	U	**0.526**	J	**0.282**	J	**0.306**	J	**0.39**	J	**0.765**	J
Calcium, Total					**71300**		**70900**		**24100**		**2890**		**8630**		**7930**		**10100**		**28800**		**19700**		**20800**		**19900**		**14100**		**13700**		**4500**		**34700**		**160000**		**12500**		**32600**		**16900**		**69200**		**54600**		**19900**		**26500**	
Chromium, Total					**27**		**9.07**		**21.1**		**6.68**		**5.61**		**17.7**		**13.8**		**20**		**14.4**		**26.7**		**26**		**21**		**15.7**		**24**		**19.6**		**7.61**		**17.8**		**13.5**		**21.1**		**23.1**		**11.7**		**11**		**13**	
Cobalt, Total					**5.04**		**2.97**		**6.88**		**4.04**		**2**	J	**10.2**		**3.2**		**9.73**		**5.34**		**5.32**		**7.99**		**6.42**		**4.19**		**8.36**		**4.6**		**2.54**		**7.53**		**6.97**		**9.93**		**3.38**		**3.16**		**5.42**		**7.53**	
Copper, Total		270	10000		**57.8**		**25**		**39.2**		**9.08**		**9.52**		**22**		**29.5**		**46.5**		**18.8**		**69.9**		**97.1**		**63**		**19.9**		**40.4**		**25.6**		**7.46**		**18.2**		**17.7**		**30.9**		**60.5**		**20.8**		**23.9**		**45.2**	
Iron, Total					**38000**		**13000**		**47100**		**24700**		**5960**		**22300**		**40200**		**28200**		**23700**		**30100**		**29000**		**26000**		**18100**		**27700**		**33600**		**20200**		**22400**		**19200**		**29800**		**30300**		**18800**		**18300**		**61400**	
Lead, Total		1000	3900		**125**		**64**		**136**		**4.7**	J	**15.1**		**22.6**		**180**		**92.4**		**50.4**		**125**		**45.7**		**201**		**42.8**		**57.7**		**62**		**12.5**		**21.3**		**26.4**		**56.5**		**130**		**43.7**		**56.6**		**34**	
Magnesium, Total					**35800**		**35200**		**5540**		**1490**		**1680**		**3340**		**1320**		**10500**		**6220**		**5050**		**5560**		**4560**		**3240**		**4800**		**7520**		**7080**		**5480**		**7220**		**5440**		**27100**		**10800**		**3780**		**6740**	
Manganese, Total		10000	10000		**382**		**340**		**626**		**412**		**121**		**460**		**1080**		**545**		**416**		**1090**		**1160**		**441**		**226**		**261**		**1020**		**951**		**355**		**705**		**541**		**552**		**1210**		**293**		**626**	
Mercury, Total		2.8	5.7		**4.34**		**4.26**		**8.08**		**0.207**		**0.514**		<0.06	U	**0.071**	J	**2.65**		**0.522**		**1.11**		**0.187**		**2.42**		**0.29**		**0.191**		**1.23**		**1.81**		<0.064	U	**0.081**	J	**0.883**		**4.84**		**2.13**		**0.738**		**0.222**	
Nickel, Total		310	10000		**17.5**		**8.88**		**24.3**		**7.02**		**4.82**		**14.4**		**6.3**		**22.4**		**11.7**		**15.5**		**19.7**		**16**		**10.8**		**23.3**		**11.2**		**5.12**		**19**		**15.5**		**21.1**		**12.9**		**7.56**		**10.6**		**18.6**	
Potassium, Total					**572**		**685**		**918**		**304**		**409**		**1260**		**566**		**1240**		**1660**		**1840**		**941**		**1980**		**1240**		**1360**		**1740**		**1880**		**1020**		**1140**		**818**		**971**		**937**		**1240**		**365**	
Selenium, Total		1500	6800		**2.1**		**1.72**		**2.15**	J	<0.253	U	**0.422**	J	<0.263	U	**0.449**	J	**1.7**	J	**0.398**	J	**0.776**	J	**0.637**	J	**1.1**	J	**0.946**	J	**0.406**	J	**0.812**	J	**2.02**	J	**0.6**	J	**0.733**	J	**0.756**	J	**1.01**	J	**1.01**	J	**2.88**		**0.309**	J	
Silver, Total		1500	6800		**0.363**	J	<0.238	U	<0.322	U	<0.278	U	<0.293	U	<0.289	U	<0.263	U	<0.279	U	<0.314	U	**0.295**	J	<0.296	U	<0.297	U	<0.28	U	**0.315**	J	**0.396**	J	<0.287	U	<0.288	U	<0.282	U	<0.293	U	**0.311**	J	<0.24	U	<0.284	U	<0.28	U
Sodium, Total					**239**		**840**		**1200**		**1590**		**3800**		**375**		**244**		**4740**		**16100**		**9510**		**2420**		**8370**		**1010**		**642**		**5180**		**5230**		**213**		**810**		**860**		**1310**		**476**		**1960**		**357**	
Thallium, Total					**1.41**	J	**0.508**	J	<0.358	U	<0.309	U	**0.432**	J	<0.321	U	**1.02**	J	**0.64**	J	**0.427**	J	**0.673**	J	<0.33	U	**0.337**	J	**0.313**	J	**0.52**	J	<0.372	U	<0.319	U	<0.32	U	<0.313	U	<0.326	U	<0.318	U	<0.268	U	<0.316	U	**0.964**	J
Vanadium, Total					**13.2**		**10.3**		**21**		**16**		**6.31**		**26.1**		**21.1**		**23.6**		**19.8**		**37**		**38.5**		**21**		**20.4**		**24.9**		**16.7**		**10.5**		**23.6**		**17.6**		**20.1**		**11.7**		**10.5**		**14**		**6.56**	
Zinc, Total		10000	10000		**82.1**		**60.3**		**87.6**		**22**		**19.6**		**77.8**		**33.1**		**80.9**		**60.4**		**105**		**68.2**		**75.1**		**45.9**		**67.7**		**64**		**45.3**		**57.8**		**47.2**		**296**		83.1		**41.1**		**66.9**		**53**	
GENERAL CHEMISTRY																											
Cyanide, Reactive					-	-	-	-	-	-	<10	U	-	-	-	-	<10	U	-	-	-	-	-	-	-	-	<10	U	-	-	<10	U	-	-	-	-	-	-	-	-	-	-	-	-	<10	U	-	-
Cyanide, Total		27	10000		**4.2**		**1.2**		**15**		**1.5**		**18**		<0.25	U	**0.31**	J	**3.4**		**2.2**		**3.7**		**0.84**	J	**2.4**		**3.7**		**3.4**		**0.91**	J	**12**		<0.26	U	**4.2**		**1.6**		**2.8**		**3.4**		**0.66**	J	**4.3**	
Nitrogen, Ammonia					**13**		**58**		**440**		**58**		**69**		**250**		**180**		**39**		**38**		**120**		**550**		**76**		**220**		**300**		**510**		**430**		**83**		**74**		**150**		**82**		**88**		**38**		**31**	
pH (H)					-	-	-	-	-	-	**8.01**		-	-	-	-	**8.18**		-	-	-	-	-	-	-	-	**9.55**		-	-	-	-	-	-	-	-	**8.67**		-	-		
Solids, Total					**76**		**91.7**		**69.1**		**79.1**		**73.8**		**78.1**		**82.7**		**78.7**		**69.2**		**77.6**		**73.5**		**73.4**		**78.2**		**78.6**		**64.7**		**75.9**		**78.3**		**80**		**75.2**		**79.1**		**89.8**		**76.4**		**77**	
Sulfide, Reactive					-	-	-	-	-	-	<10	U	-	-	-	-	<10	U	-	-	-	-	-	-	-	-	**120**		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**10**		-	-
IGNITABILITY OF SOLIDS																											
Ignitability					-	-	-	-	-	-	NI		-	-	-	-	NI		-	-	-	-	-	-	-	-	NI		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NI		-	-
TCLP VOLATILES BY EPA 1311																											
1,1-Dichloroethene	0.7	500	1000		-	-	-	-	-	-	<0.0017	U	-	-	-	-	<0.0017	U	-	-	-	-	-	-	-	-	<0.0017	U	-	-	<0.0017	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.0017	U	-	-
1,2-Dichloroethane	0.5	30	60		-	-	-	-	-	-	<0.0013	U	-	-	-	-	<0.0013	U	-	-	-	-	-	-	-	-	<0.0013	U	-	-	<0.0013	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.0013	U	-	-
1,4-Dichlorobenzene	7.5	130	250		-	-	-	-	-	-	<0.0019	U	-	-	-	-	<0.0019	U	-	-	-	-	-	-	-	-	<0.0019	U	-	-	<0.0019	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.0019	U	-	-
2-Butanone	200	500	1000		-	-	-	-	-	-	<0.019	U	-	-	-	-	<0.019	U	-	-	-	-	-	-	-	-	<0.019	U	-	-	<0.019	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.019	U	-	-
Benzene	0.5	44	89		-	-	-	-	-	-	**0.38**		-	-	-	-	**4.9**		-	-	-	-	-	-	-	-	**0.16**		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**2.3**		-	-
Carbon tetrachloride	0.5	22	44		-	-	-	-	-	-	<0.0013	U	-	-	-	-	<0.0013	U	-	-	-	-	-	-	-	-	<0.0013	U	-	-	<0.0013	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.0013	U	-	-
Chlorobenzene	100	500	1000		-	-	-	-	-	-	<0.0018	U	-	-	-	-	<0.0018	U	-	-	-	-	-	-	-	-	<0.0018	U	-	-	<0.0018	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.0018	U	-	-
Chloroform	6	350	700		-	-	-	-	-	-	<0.0022	U	-	-	-	-	<0.0022	U	-	-	-	-	-	-	-	-	<0.0022	U	-	-	<0.0022	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.0022	U	-	-
Tetrachloroethene	0.7	150	300		-	-	-	-	-	-	<0.0018	U	-	-	-	-	<0.0018	U	-	-	-	-	-	-	-	-	<0.0018	U	-	-	<0.0018	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.0018	U	-	-
Trichloroethene	0.5	200	400		-	-	-	-	-	-	<0.0018	U	-	-	-	-	<0.0018	U	-	-	-	-	-	-	-	-	<0.0018	U	-	-	<0.0018	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.0018	U	-	-
Vinyl chloride	0.2	13	27		-	-	-	-	-	-	<0.00071	U	-	-	-	-	<0.00071	U	-	-	-	-	-	-	-	-	<0.00071	U	-	-	<0.00071	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.00071	U	-	-
TCLP SEMIVOLATILES BY EPA 1311																											
2,4,5-Trichlorophenol	400				-	-	-	-	-	-	<0.0019	U	-	-	-	-	<0.0019	U	-	-	-	-	-	-	-	-	<0.0019	U	-	-	<0.0019	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.0019	U	-	-
2,4,6-Trichlorophenol	2				-	-	-	-	-	-	<0.0025	U	-	-	-	-	<0.0025	U	-	-	-	-	-	-	-	-	<0.0025	U	-	-	<0.0025	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.0025	U	-	-
2,4-Dinitrotoluene	0.13				-	-	-	-	-	-	<0.0019	U	-	-	-	-	<0.0019	U	-	-	-	-	-	-	-	-	<0.0019	U	-	-	<0.0019	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.0019	U	-	-
2-Methylphenol	200	500	1000		-	-	-	-	-	-	**0.17**		-	-	-	-	**0.27**		-	-	-	-	-	-	-	-	**0.082**		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0055	U	-	-
3-Methylphenol/4-Methylphenol	200	500	1000		-	-	-	-	-	-	**0.28**		-	-	-	-	**0.69**		-	-	-	-	-	-	-	-	**0.19**		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0028	U	-	-
Hexachlorobenzene	0.13	6	12		-	-	-	-	-	-	<0.0034	U	-	-	-	-	<0.0034	U	-	-	-	-	-	-	-	-	<0.0034	U	-	-	<0.0034	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.0034	U	-	-
Hexachlorobutadiene	0.5				-	-	-	-	-	-	<0.003	U	-	-	-	-	<0.003	U	-	-	-	-	-	-	-	-	<0.003	U	-	-	<0.003	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.003	U	-	-
Hexachloroethane	3				-	-	-	-	-	-	<0.0022	U	-	-	-	-	<0.0022	U	-	-	-	-	-	-	-	-	<0.0022	U	-	-	<0.0022	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.0022	U	-	-
Nitrobenzene	2				-	-	-	-	-	-	<0.0033	U	-	-	-	-	<0.0033	U	-	-	-	-	-	-	-	-	<0.0033	U	-	-	<0.0033	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.0033	U	-	-
Pentachlorophenol	100	6.7	55		-	-	-	-	-	-	<0.0098	U	-	-	-	-	<0.0098	U	-	-	-	-	-	-	-	-	<0.0098	U	-	-	<0.0098	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.0098	U	-	-
Pyridine	5				-	-	-	-	-	-	<0.0045	U	-	-	-	-	<0.0045	U	-	-	-	-	-	-	-	-	<0.0045	U	-	-	<0.0045	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.0045	U	-	-
TCLP HERBICIDES BY EPA 1311																											
2,4,5-TP (Silvex)	1	500	1000		-	-	-	-	-	-	<0.001	U	-	-	-	-	<0.001	U	-	-	-	-	-	-	-	-	<0.001	U	-	-	<0.001	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	U	-	-
2,4-D	10				-	-	-	-	-	-	<0.001	U	-	-	-	-	<0.001	U	-	-	-	-	-	-	-	-	<0.001	U	-	-	<0.001	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	U	-	-
TCLP PESTICIDES BY EPA 1311																											
Chlordane	0.03				-	-	-	-	-	-	<0.000232	U	-	-	-	-	<0.000232	U	-	-	-	-	-	-	-	-	<0.000232	U	-	-	<0.000232	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.000232	U	-	-
Endrin	0.02	89	410		-	-	-	-	-	-	<0.000021	U	-	-	-	-	<0.000021	U	-	-	-	-	-	-	-	-	<0.000021	U	-	-	<0.000021	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.000021	U	-	-
Heptachlor	0.008	15	29		-	-	-	-	-	-	<0.000016	U	-	-	-	-	<0.000016	U	-	-	-	-	-	-	-	-	<0.000016	U	-	-	<0.000016	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.000016	U	-	-
Heptachlor epoxide	0.008				-	-	-	-	-	-	<0.000021	U	-	-	-	-	<0.000021	U	-	-	-	-	-	-	-	-	<0.000021	U	-	-	<0.000021	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.000021	U	-	-
Lindane	0.4	9.2	23		-	-	-	-	-	-	<0.000022	U	-	-	-	-	<0.000022	U	-	-	-	-	-	-	-	-	<0.000022	U	-	-	<0.000022	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.000022	U	-	-
Methoxychlor	10				-	-	-	-	-	-	<0.000034	U	-	-	-	-	<0.000034	U	-	-	-	-	-	-	-	-	<0.000034	U	-	-	<0.000034	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.000034	U	-	-
Toxaphene	0.5				-	-	-	-	-	-	<0.000314	U	-	-	-	-	<0.000314	U	-	-	-	-	-	-	-	-	<0.000314	U	-	-	<0.000314	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.000314	U	-	-
TCLP METALS BY EPA 1311																											
Arsenic, TCLP	5				-	-	-	-	-	-	<0.019	U	-	-	-	-	<0.019	U	-	-	-	-	-	-	-	-	<0.019	U	-	-	<0.019	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.019	U	-	-
Barium, TCLP	100				-	-	-	-	-	-	**0.61**		-	-	-	-	**0.949**		-	-	-	-	-	-	-	-	**1.13**		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.526**		-	-
Cadmium, TCLP	1				-	-	-	-	-	-	<0.01	U	-	-	-	-	<0.01	U	-	-	-	-	-	-	-	-	<0.01	U	-	-	<0.01	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	U	-	-
Chromium, TCLP	5				-	-	-	-	-	-	<0.021	U	-	-	-	-	<0.021	U	-	-	-	-	-	-	-	-	<0.021	U	-	-	<0.021	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.021	U	-	-
Lead, TCLP	5				-	-	-	-	-	-	**0.04**	J	-	-	-	-	<0.027	U	-	-	-	-	-	-	-	-	<0.027	U	-	-	<0.027	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.027	U	-	-
Mercury, TCLP	0.2				-	-	-	-	-	-	<0.0005	U	-	-	-	-	<0.0005	U	-	-	-	-	-	-	-	-	<0.0005	U	-	-	<0.0005	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.0005	U	-	-
Selenium, TCLP	1				-	-	-	-	-	-	<0.035	U	-	-	-	-	<0.035	U	-	-	-	-	-	-	-	-	<0.035	U	-	-	<0.035	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.035	U	-	-
Silver, TCLP	5				-	-	-	-	-	-	<0.028	U	-	-	-	-	<0.028	U	-	-	-	-	-	-	-	-	<0.028	U	-	-	<0.028	U	-	-	-	-	-	-	-	-	-	-	-	-	<0.028	U	-	-

* Comparison is not performed on parameters with non-numeric criteria.
EPA-TCLP: EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria per 40CFR Part 261 as of September 10, 2015.
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:
U - Not detected at the reported detection limit for the sample.
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B - Compound was found in the blank and sample.
HF - Analyzed outside of hold time.
Bold - Compound is detected
Red Highlight - Exceeds NYS Part 375 Industrical SCOs
Green Highlight - Exceeds NYS Part 375 Commercial SCOs
Yellow Highlight - Exceeds EPA Toxicity Characteristic Regulatory Levels

Table 9C
Secondary Containment IRM Work Plan - Closure Sampling
Oil Water Separator Tank PT01 - "Think Safety"
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE			SAMPLE ID:	BCP-PT01-01-07102023		BCP-PT01-02-07102023		BCP-PT01-03-07102023		BCP-PT01-04-07102023		BCP-PT01-WASTE-07102023	
			LAB ID:	L2339423-01		L2339423-02		L2339423-03		L2339423-04		L2339423-05	
			COLLECTION DATE:	7/10/2023		7/10/2023		7/10/2023		7/10/2023		7/10/2023	
			SAMPLE DEPTH:	4 - 5 ft BGS		4 - 5 ft BGS		4 - 5 ft BGS		4 - 5 ft BGS		4 - 5 ft BGS	
			LOCATION:	North End		North - Center		South - Center		South End		Composite	
	EPA-TCLP	Part 375 Commercial SCO	Part 375 Industrial SCO										
	(mg/l)	(mg/kg)	(mg/kg)										
VOLATILE ORGANICS BY GC/MS													
1,1,1-Trichloroethane		500	1000	<0.013	U	<0.012	U	<0.013	U	<0.013	U	-	-
1,1,2,2-Tetrachloroethane				<0.013	U	<0.012	U	<0.013	U	<0.013	U	-	-
1,1,2-Trichloroethane				<0.021	U	<0.019	U	<0.021	U	<0.02	U	-	-
1,1-Dichloroethane		240	480	<0.012	U	<0.01	U	<0.011	U	<0.011	U	-	-
1,1-Dichloroethene		500	1000	<0.019	U	<0.017	U	<0.018	U	<0.018	U	-	-
1,2,3-Trichlorobenzene				<0.026	U	<0.023	U	<0.025	U	<0.024	U	-	-
1,2,4-Trichlorobenzene				<0.022	U	<0.019	U	<0.021	U	<0.021	U	-	-
1,2-Dibromo-3-chloropropane				<0.08	U	<0.071	U	<0.077	U	<0.076	U	-	-
1,2-Dibromoethane				<0.022	U	<0.02	U	<0.022	U	<0.021	U	-	-
1,2-Dichlorobenzene		500	1000	<0.011	U	<0.01	U	<0.011	U	<0.011	U	-	-
1,2-Dichloroethane		30	60	**0.12**		**0.13**		<0.02	U	<0.02	U	-	-
1,2-Dichloropropane				<0.01	U	<0.0088	U	<0.0096	U	<0.0095	U	-	-
1,3-Dichlorobenzene		280	560	<0.012	U	<0.01	U	<0.011	U	<0.011	U	-	-
1,4-Dichlorobenzene		130	250	<0.014	U	<0.012	U	<0.013	U	<0.013	U	-	-
1,4-Dioxane		130	250	<2.8	U	<2.5	U	<2.7	U	<2.7	U	-	-
2-Butanone		500	1000	<0.18	U	<0.16	U	<0.17	U	<0.17	U	-	-
2-Hexanone				<0.094	U	<0.084	U	<0.091	U	<0.09	U	-	-
4-Methyl-2-pentanone				<0.1	U	<0.091	U	<0.099	U	<0.097	U	-	-
Acetone		500	1000	<0.38	U	<0.34	U	**0.45**	J	<0.37	U	-	-
Benzene		44	89	**4.5**		**4.9**		**40**		**53**		-	-
Bromochloromethane				<0.016	U	<0.014	U	<0.016	U	<0.016	U	-	-
Bromodichloromethane				<0.0087	U	<0.0077	U	<0.0084	U	<0.0083	U	-	-
Bromoform				<0.02	U	<0.017	U	<0.019	U	<0.019	U	-	-
Bromomethane				<0.046	U	<0.041	U	<0.045	U	<0.044	U	-	-
Carbon disulfide				**0.81**		<0.32	U	<0.35	U	<0.35	U	-	-
Carbon tetrachloride		22	44	<0.018	U	<0.016	U	<0.018	U	<0.017	U	-	-
Chlorobenzene		500	1000	<0.01	U	<0.009	U	**0.019**	J	**0.014**	J	-	-
Chloroethane				<0.036	U	<0.032	U	<0.035	U	<0.034	U	-	-
Chloroform		350	700	<0.011	U	<0.0099	U	<0.011	U	<0.011	U	-	-
Chloromethane				<0.074	U	<0.066	U	<0.072	U	<0.071	U	-	-
cis-1,2-Dichloroethene		500	1000	**0.074**	J	<0.012	U	<0.014	U	<0.013	U	-	-
cis-1,3-Dichloropropene				<0.013	U	<0.011	U	<0.012	U	<0.012	U	-	-
Cyclohexane				<0.043	U	<0.038	U	<0.042	U	<0.041	U	-	-
Dibromochloromethane				<0.011	U	<0.0099	U	<0.011	U	<0.011	U	-	-
Dichlorodifluoromethane				<0.073	U	<0.065	U	<0.071	U	<0.07	U	-	-
Ethylbenzene		390	780	**0.082**		**0.5**		**1.6**		**1.2**		-	-
Freon-113				<0.055	U	<0.049	U	<0.053	U	<0.053	U	-	-
Isopropylbenzene				<0.0087	U	**0.063**	J	**0.06**	J	**0.073**	J	-	-
Methyl Acetate				**0.45**		**0.63**		**0.26**	J	**0.6**		-	-
Methyl cyclohexane				<0.048	U	**0.068**	J	**0.14**	J	**0.084**	J	-	-
Methyl tert butyl ether		500	1000	<0.016	U	<0.014	U	<0.016	U	<0.015	U	-	-
Methylene chloride		500	1000	<0.18	U	<0.16	U	**0.18**	J	<0.17	U	-	-
o-Xylene				**0.58**		**1.3**		**13**		**6.6**		-	-
p/m-Xylene				**1.4**		**2.5**		**32**		**15**		-	-
Styrene				<0.016	U	**0.037**	J	**0.084**		**0.14**		-	-
Tetrachloroethene		150	300	**0.017**	J	<0.014	U	<0.015	U	<0.015	U	-	-
Toluene		500	1000	**3**		**2.4**		**47**		**43**		-	-
trans-1,2-Dichloroethene		500	1000	<0.011	U	<0.0097	U	<0.01	U	<0.01	U	-	-
trans-1,3-Dichloropropene				<0.022	U	<0.019	U	<0.021	U	<0.021	U	-	-
Trichloroethene		200	400	<0.011	U	<0.0097	U	<0.01	U	<0.01	U	-	-
Trichlorofluoromethane				<0.055	U	<0.049	U	<0.054	U	<0.053	U	-	-
Vinyl chloride		13	27	<0.027	U	<0.024	U	<0.026	U	<0.025	U	-	-
SEMIVOLATILE ORGANICS BY GC/MS													
1,2,4,5-Tetrachlorobenzene				<0.023	U	<0.022	U	<0.023	U	<0.022	U	-	-
2,3,4,6-Tetrachlorophenol				<0.045	U	<0.042	U	<0.044	U	<0.043	U	-	-
2,4,5-Trichlorophenol				<0.042	U	<0.04	U	<0.042	U	<0.04	U	-	-
2,4,6-Trichlorophenol				<0.042	U	<0.039	U	<0.041	U	<0.04	U	-	-
2,4-Dichlorophenol				<0.036	U	<0.033	U	<0.035	U	<0.034	U	-	-
2,4-Dimethylphenol				**1.6**		**26**		**17**		**10**		-	-
2,4-Dinitrophenol				<0.1	U	<0.096	U	<0.1	U	<0.099	U	-	-
2,4-Dinitrotoluene				<0.044	U	<0.041	U	<0.043	U	<0.042	U	-	-
2,6-Dinitrotoluene				<0.038	U	<0.035	U	<0.037	U	<0.036	U	-	-
2-Chloronaphthalene				<0.022	U	<0.02	U	<0.022	U	<0.021	U	-	-
2-Chlorophenol				<0.026	U	<0.024	U	<0.026	U	<0.025	U	-	-
2-Methylnaphthalene				**4.2**		**29**		**9.9**		**15**		-	-
2-Methylphenol		500	1000	**2.2**		**11**		**8.3**		**6.9**		-	-
2-Nitroaniline				<0.043	U	<0.04	U	<0.042	U	<0.041	U	-	-
2-Nitrophenol				<0.083	U	<0.078	U	<0.082	U	<0.08	U	-	-
3,3'-Dichlorobenzidine				<0.059	U	<0.055	U	<0.058	U	<0.056	U	-	-
3-Methylphenol/4-Methylphenol		500	1000	**2.7**		**8.6**		**7**		**7.7**		-	-
3-Nitroaniline				<0.042	U	<0.039	U	<0.041	U	<0.04	U	-	-
4,6-Dinitro-o-cresol				<0.11	U	<0.099	U	<0.1	U	<0.1	U	-	-
4-Bromophenyl phenyl ether				<0.034	U	<0.031	U	<0.033	U	<0.032	U	-	-
4-Chloroaniline				<0.04	U	<0.038	U	<0.04	U	<0.038	U	-	-
4-Chlorophenyl phenyl ether				<0.024	U	<0.022	U	<0.023	U	<0.023	U	-	-
4-Nitroaniline				<0.092	U	<0.085	U	<0.09	U	<0.088	U	-	-
4-Nitrophenol				<0.09	U	<0.084	U	<0.089	U	<0.086	U	-	-
Acenaphthene		500	1000	**0.42**		**2**		**0.6**		**1.4**		-	-
Acenaphthylene		500	1000	**1.5**		**13**		**3.5**		**8.3**		-	-
Acetophenone				<0.027	U	1.9		<0.027	U	<0.026	U	-	-
Anthracene		500	1000	**2.4**		**15**		**3.3**		**12**		-	-
Atrazine				<0.078	U	<0.072	U	<0.076	U	<0.074	U	-	-
Benzaldehyde				<0.06	U	<0.056	U	<0.059	U	<0.057	U	-	-
Benzo(a)anthracene		5.6	11	**0.075**	J	**1.1**		**0.46**		**1.4**		-	-
Benzo(a)pyrene		1	1.1	**0.058**	J	**0.72**		**0.37**		**0.9**		-	-
Benzo(b)fluoranthene		5.6	11	**0.072**	J	**1.1**		**0.57**		**1.5**		-	-
Benzo(ghi)perylene		500	1000	**0.028**	J	**0.46**		**0.22**		**0.62**		-	-

Table 9C
Secondary Containment IRM Work Plan - Closure Sampling
Oil Water Separator Tank PT01 - "Think Safety"
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE	SAMPLE ID:			BCP-PT01-01-07102023		BCP-PT01-02-07102023		BCP-PT01-03-07102023		BCP-PT01-04-07102023		BCP-PT01-WASTE-07102023	
	LAB ID:			L2339423-01		L2339423-02		L2339423-03		L2339423-04		L2339423-05	
	COLLECTION DATE:			7/10/2023		7/10/2023		7/10/2023		7/10/2023		7/10/2023	
	SAMPLE DEPTH:			4 - 5 ft BGS		4 - 5 ft BGS		4 - 5 ft BGS		4 - 5 ft BGS		4 - 5 ft BGS	
	LOCATION:			North End		North - Center		South - Center		South End		Composite	
	EPA-TCLP	Part 375 Commercial SCO	Part 375 Industrial SCO										
	(mg/l)	(mg/kg)	(mg/kg)										
Benzo(k)fluoranthene		56	110	<0.036	U	**0.34**		**0.18**		**0.46**		-	-
Biphenyl				**0.86**		**6.7**		**1.9**		**4.5**		-	-
Bis(2-chloroethoxy)methane				<0.022	U	<0.021	U	<0.022	U	<0.021	U	-	-
Bis(2-chloroethyl)ether				<0.03	U	<0.028	U	<0.029	U	<0.029	U	-	-
Bis(2-chloroisopropyl)ether				<0.038	U	<0.035	U	<0.037	U	<0.036	U	-	-
Bis(2-ethylhexyl)phthalate				<0.077	U	<0.071	U	<0.075	U	**0.082**	J	-	-
Butyl benzyl phthalate				<0.056	U	<0.052	U	<0.055	U	<0.053	U	-	-
Caprolactam				<0.067	U	<0.063	U	<0.066	U	<0.064	U	-	-
Carbazole				**0.039**	J	**0.2**	J	**0.14**	J	**0.21**		-	-
Chrysene		56	110	**0.065**	J	**1.1**		**0.48**		**1.4**		-	-
Di-n-butylphthalate				<0.042	U	<0.039	U	<0.041	U	<0.04	U	-	-
Di-n-octylphthalate				<0.075	U	<0.07	U	<0.074	U	<0.072	U	-	-
Dibenzo(a,h)anthracene		0.56	1.1	<0.026	U	**0.11**	J	**0.06**	J	**0.16**		-	-
Dibenzofuran		350	1000	**2.4**		**15**		**4.8**		**11**		-	-
Diethyl phthalate				<0.02	U	<0.019	U	<0.02	U	<0.02	U	-	-
Dimethyl phthalate				<0.047	U	<0.043	U	<0.046	U	<0.044	U	-	-
Fluoranthene		500	1000	**2**		**24**		**6.2**		**37**		-	-
Fluorene		500	1000	**2.6**		**15**		**4.4**		**7.8**		-	-
Hexachlorobenzene		6	12	<0.025	U	<0.023	U	<0.024	U	<0.024	U	-	-
Hexachlorobutadiene				<0.032	U	<0.03	U	<0.032	U	<0.031	U	-	-
Hexachlorocyclopentadiene				<0.2	U	<0.19	U	<0.2	U	<0.19	U	-	-
Hexachloroethane				<0.036	U	<0.033	U	<0.035	U	<0.034	U	-	-
Indeno(1,2,3-cd)pyrene		5.6	11	**0.034**	J	**0.52**		**0.26**		**0.69**		-	-
Isophorone				<0.029	U	<0.027	U	<0.028	U	<0.027	U	-	-
n-Nitrosodi-n-propylamine				<0.034	U	<0.032	U	<0.034	U	<0.033	U	-	-
Naphthalene		500	1000	**84**		**270**		**110**		**140**		-	-
NDPA/DPA				<0.025	U	<0.023	U	<0.025	U	<0.024	U	-	-
Nitrobenzene				<0.033	U	<0.03	U	<0.032	U	<0.031	U	-	-
p-Chloro-m-cresol				<0.033	U	<0.031	U	<0.032	U	<0.032	U	-	-
Pentachlorophenol		6.7	55	<0.049	U	<0.045	U	<0.048	U	<0.046	U	-	-
Phenanthrene		500	1000	**7.3**		**51**		**11**		**45**		-	-
Phenol		500	1000	**1.3**		**4.1**		**1.5**		**1.6**		-	-
Pyrene		500	1000	**1**		**14**		**3.7**		**21**		-	-
POLYCHLORINATED BIPHENYLS BY GC													
Aroclor 1016		1	25	<0.00546	U	<0.00525	U	<0.0053	U	<0.00561	U	-	-
Aroclor 1221		1	25	<0.00616	U	<0.00592	U	<0.00598	U	<0.00634	U	-	-
Aroclor 1232		1	25	<0.013	U	<0.0125	U	<0.0126	U	<0.0134	U	-	-
Aroclor 1242		1	25	<0.00828	U	<0.00797	U	<0.00805	U	<0.00852	U	-	-
Aroclor 1248		1	25	<0.00922	U	<0.00887	U	<0.00896	U	<0.00948	U	-	-
Aroclor 1254		1	25	<0.00672	U	**0.0573**	J	**0.0181**	J	**0.0855**		-	-
Aroclor 1260		1	25	<0.0114	U	<0.0109	U	<0.011	U	<0.0117	U	-	-
Aroclor 1262		1	25	<0.0078	U	<0.00751	U	<0.00758	U	<0.00803	U	-	-
Aroclor 1268		1	25	<0.00637	U	<0.00612	U	<0.00619	U	<0.00655	U	-	-
TOTAL METALS													
Aluminum, Total				**14900**		**9480**		**15400**		**8190**		-	-
Antimony, Total				**2.12**	J	**3.63**	J	**1.93**	J	**1.2**	J	-	-
Arsenic, Total		16	16	**5.6**		**9.06**		**5.82**		**3.23**		-	-
Barium, Total		400	10000	**101**		**86.1**		**138**		**71.1**		-	-
Beryllium, Total		590	2700	**0.979**		**0.769**		**1.33**		**0.468**	J	-	-
Cadmium, Total		9.3	60	<0.102	U	**0.555**	J	<0.1	U	**0.139**	J	-	-
Calcium, Total				**29900**		**37500**		**16900**		**8980**		-	-
Chromium, Total				**16.9**		**51.4**		**21**		**16.5**		-	-
Cobalt, Total				**8.28**		**7.85**		**14.5**		**3.98**		-	-
Copper, Total		270	10000	**16.8**		**44.8**		**18.7**		**20.6**		-	-
Iron, Total				**27100**		**52200**		**29200**		**19900**		-	-
Lead, Total		1000	3900	**33.2**		**530**		**81.2**		**215**		-	-
Magnesium, Total				**7960**		**8040**		**6660**		**2290**		-	-
Manganese, Total		10000	10000	**559**		**719**		**662**		**238**		-	-
Mercury, Total		2.8	5.7	**0.946**		**24.8**		**3.1**		**15.6**		-	-
Nickel, Total		310	10000	**18.8**		**31.8**		**27.6**		**12.9**		-	-
Potassium, Total				**981**		**711**	J	**1030**		**540**		-	-
Selenium, Total		1500	6800	<0.269	U	<0.255	U	<0.264	U	<0.261	U	-	-
Silver, Total		1500	6800	<0.295	U	<0.28	U	<0.289	U	<0.286	U	-	-
Sodium, Total				**505**		**154**	J	**128**	J	**119**	J	-	-
Thallium, Total				<0.328	U	**0.637**	J	<0.322	U	<0.319	U	-	-
Vanadium, Total				**21.1**		**19.3**		**28.2**		**14.5**		-	-
Zinc, Total		10000	10000	**164**		**129**		**77.9**		**94.1**		-	-
GENERAL CHEMISTRY													
Cyanide, Reactive				-		-		-		-		<10	U
Cyanide, Total		27	10000	**1.3**		**4.4**		**120**		**35**		-	-
Nitrogen, Ammonia				**2600**		**1300**		**1600**		**1400**		-	-
pH (H)				-		-		-		-		**7.68**	
Solids, Total				**74.5**		**79.7**		**76.4**		**77**		**76.6**	
Sulfide, Reactive				-		-		-		-		**13**	
TCLP VOLATILES BY EPA 1311													
1,1-Dichloroethene	0.7	500	1000	-		-		-		-		<0.0017	U
1,2-Dichloroethane	0.5	30	60	-		-		-		-		<0.0013	U
1,4-Dichlorobenzene	7.5	130	250	-		-		-		-		<0.0019	U
2-Butanone	200	500	1000	-		-		-		-		<0.019	U
Benzene	0.5	44	89	-		-		-		-		**0.12**	
Carbon tetrachloride	0.5	22	44	-		-		-		-		<0.0013	U
Chlorobenzene	100	500	1000	-		-		-		-		<0.0018	U
Chloroform	6	350	700	-		-		-		-		<0.0022	U
Tetrachloroethene	0.7	150	300	-		-		-		-		<0.0018	U
Trichloroethene	0.5	200	400	-		-		-		-		<0.0018	U

Table 9C
Secondary Containment IRM Work Plan - Closure Sampling
Oil Water Separator Tank PT01 - "Think Safety"
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE				SAMPLE ID:	BCP-PT01-01-07102023	BCP-PT01-02-07102023	BCP-PT01-03-07102023	BCP-PT01-04-07102023	BCP-PT01-WASTE-07102023	
				LAB ID:	L2339423-01	L2339423-02	L2339423-03	L2339423-04	L2339423-05	
				COLLECTION DATE:	7/10/2023	7/10/2023	7/10/2023	7/10/2023	7/10/2023	
				SAMPLE DEPTH:	4 - 5 ft BGS	4 - 5 ft BGS	4 - 5 ft BGS	4 - 5 ft BGS	4 - 5 ft BGS	
				LOCATION:	North End	North - Center	South - Center	South End	Composite	
	EPA-TCLP	Part 375 Commercial SCO	Part 375 Industrial SCO							
	(mg/l)	(mg/kg)	(mg/kg)							
Vinyl chloride	0.2	13	27		-	-	-	-	<0.00071	U
TCLP SEMIVOLATILES BY EPA 1311										
2,4,5-Trichlorophenol	400				-	-	-	-	<0.0019	U
2,4,6-Trichlorophenol	2				-	-	-	-	<0.0025	U
2,4-Dinitrotoluene	0.13				-	-	-	-	<0.0019	U
2-Methylphenol	200	500	1000		-	-	-	-	**0.068**	
3-Methylphenol/4-Methylphenol	200	500	1000		-	-	-	-	**0.066**	
Hexachlorobenzene	0.13	6	12		-	-	-	-	<0.0034	U
Hexachlorobutadiene	0.5				-	-	-	-	<0.003	U
Hexachloroethane	3				-	-	-	-	<0.0022	U
Nitrobenzene	2				-	-	-	-	<0.0033	U
Pentachlorophenol	100	6.7	55		-	-	-	-	<0.0098	U
Pyridine	5				-	-	-	-	**0.015**	J
TCLP METALS BY EPA 1311										
Arsenic, TCLP	5				-	-	-	-	<0.019	U
Barium, TCLP	100				-	-	-	-	**0.744**	
Cadmium, TCLP	1				-	-	-	-	<0.01	U
Chromium, TCLP	5				-	-	-	-	<0.021	U
Lead, TCLP	5				-	-	-	-	**0.312**	J
Mercury, TCLP	0.2				-	-	-	-	<0.0005	U
Selenium, TCLP	1				-	-	-	-	<0.035	U
Silver, TCLP	5				-	-	-	-	<0.028	U
TCLP PESTICIDES BY EPA 1311										
Chlordane	0.03				-	-	-	-	<0.000232	U
Endrin	0.02	89	410		-	-	-	-	<0.000021	U
Heptachlor	0.008	15	29		-	-	-	-	<0.000016	U
Heptachlor epoxide	0.008				-	-	-	-	<0.000021	U
Lindane	0.4	9.2	23		-	-	-	-	<0.000022	U
Methoxychlor	10				-	-	-	-	<0.000034	U
Toxaphene	0.5				-	-	-	-	<0.000314	U
TCLP HERBICIDES BY EPA 1311										
2,4,5-TP (Silvex)	1	500	1000		-	-	-	-	<0.001	U
2,4-D	10				-	-	-	-	<0.001	U
IGNITABILITY OF SOLIDS										
Ignitability					-	-	-	-	NI	

* Comparison is not performed on parameters with non-numeric criteria.
EPA-TCLP: EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria per 40CFR Part 261 as of September 10, 2015.
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:
U - Not detected at the reported detection limit for the sample.
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B - Compound was found in the blank and sample.
HF - Analyzed outside of hold time.
Bold - Compound is detected
Red Highlight - Exceeds NYS Part 375 Industrical SCOs
Green Highlight - Exceeds NYS Part 375 Commercial SCOs
Yellow Highlight - Exceeds EPA Toxicity Characteristic Regulatory Levels

Table 10C
Secondary Containment IRM Work Plan - Closure Sampling
Former Caustic Tank ST10
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

Analytes	Part 375 SCOs		Units	SD-BCP-ST10SE-01		SD-BCP-ST10SE-12		SD-BCP-ST10NW-01		SD-BCP-ST10NW-12	
	Commercial	Industrial									
Sample Date:				5/17/2021		5/17/2021		5/17/2021		5/17/2021	
Sample Interval:				0" - 1" BGS		12" BGS		0" - 1" BGS		12" BGS	
Formation/Location:				Soil		Soil		Soil		Soil	
TCL VOCs (SW8260C)											
1,1,1-Trichloroethane (TCA)	500,000	1,000,000	ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
1,1,2,2-Tetrachloroethane			ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
1,1,2-Trichloroethane			ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
1,1-Dichloroethane	240,000	480,000	ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
1,1-Dichloroethene	500,000	1,000,000	ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
1,2,3-Trichlorobenzene			ug/kg	<23.7	U	<20.7	U	<19.5	U	<18.0	U
1,2,4-Trichlorobenzene			ug/kg	<23.7	U	<20.7	U	<19.5	U	<18.0	U
1,2-Dibromo-3-Chloropropane			ug/kg	<47.4	U	<41.4	U	<39.0	U	<36.1	U
1,2-Dibromoethane			ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
1,2-Dichlorobenzene	500,000	1,000,000	ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
1,2-Dichloroethane	30,000	60,000	ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
1,2-Dichloropropane			ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
1,3-Dichlorobenzene	280,000	560,000	ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
1,4-Dichlorobenzene	130,000	250,000	ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
1,4-Dioxane (P-Dioxane)	130,000	250,000	ug/kg	<47.4	U	<41.4	U	<39.0	U	<36.1	U
Methyl Ethyl Ketone (2-Butanone)	500,000	1,000,000	ug/kg	<47.4	U	<41.4	U	<39.0	U	<36.1	U
2-Hexanone			ug/kg	<23.7	U	<20.7	U	<19.5	U	<18.0	U
4-Methyl-2-Pentanone			ug/kg	<23.7	U	<20.7	U	<19.5	U	<18.0	U
Acetone	500,000	1,000,000	ug/kg	<47.4	U	<41.4	U	<39.0	U	<36.1	U
Benzene	44,000	89,000	ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
Bromochloromethane			ug/kg	<23.7	U	<20.7	U	<19.5	U	<18.0	U
Bromodichloromethane			ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
Bromoform			ug/kg	<23.7	U	<20.7	U	<19.5	U	<18.0	U
Bromomethane			ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
Carbon Disulfide			ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
Carbon Tetrachloride	22,000	44,000	ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
Chlorobenzene	500,000	1,000,000	ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
Chloroethane			ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
Chloroform	350,000	700,000	ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
Chloromethane			ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
Cyclohexane			ug/kg	<47.4	U	<41.4	U	<39.0	U	<36.1	U
Dibromochloromethane			ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
Dichlorodifluoromethane			ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
Methylene Chloride	500,000	1,000,000	ug/kg	<23.7	U	<20.7	U	<19.5	U	<18.0	U
Ethylbenzene	390,000	780,000	ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
Isopropylbenzene (Cumene)			ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
Methyl Acetate			ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
Methyl Tert-Butyl Ether	500,000	1,000,000	ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
Methylcyclohexane			ug/kg	**9.48**		<8.27	U	<7.80	U	<7.22	U
Styrene			ug/kg	<23.7	U	<20.7	U	<19.5	U	<18.0	U
Tetrachloroethene	150,000	300,000	ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
Toluene	500,000	1,000,000	ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
Trichloroethene	200,000	400,000	ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
Trichlorofluoromethane			ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
Vinyl Chloride	13,000	27,000	ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
Cis-1,2-Dichloroethylene	500,000	1,000,000	ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
Cis-1,3-Dichloropropene			ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
m,p-Xylene	500,000	1,000,000	ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
O-Xylene (1,2-Dimethylbenzene)	500,000	1,000,000	ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
Trans-1,2-Dichloroethene	500,000	1,000,000	ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
Trans-1,3-Dichloropropene			ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U
Freon 113			ug/kg	<9.47	U	<8.27	U	<7.80	U	<7.22	U

Table 10C
Secondary Containment IRM Work Plan - Closure Sampling
Former Caustic Tank ST10
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

Analytes	Part 375 SCOs		Units	SD-BCP-ST10SE-01		SD-BCP-ST10SE-12		SD-BCP-ST10NW-01		SD-BCP-ST10NW-12	
	Commercial	Industrial									
	Sample Date:			5/17/2021		5/17/2021		5/17/2021		5/17/2021	
	Sample Interval:			0" - 1" BGS		12" BGS		0" - 1" BGS		12" BGS	
	Formation/Location:			Soil		Soil		Soil		Soil	
TCL SVOCs (SW8270D)											
1,1-Biphenyl			ug/kg	<444	U	<339	U	<326	U	<314	U
1,2,4-Trichlorobenzene			ug/kg	<444	U	<339	U	<326	U	<314	U
1,2-Dichlorobenzene			ug/kg	<444	U	<339	U	<326	U	<314	U
1,3-Dichlorobenzene			ug/kg	<444	U	<339	U	<326	U	<314	U
1,4-Dichlorobenzene			ug/kg	<444	U	<339	U	<326	U	<314	U
2,2-Oxybis (1-chloropropane)			ug/kg	<444	U	<339	U	<326	U	<314	U
3&4-Methylphenol			ug/kg	<444	U	<339	U	<326	U	<314	U
1,2,4,5-Tetrachlorobenzene			ug/kg	<444	U	<339	U	<326	U	<314	U
2,3,4,6-Tetrachlorophenol			ug/kg	<444	U	<339	U	<326	U	<314	U
2,4,5-Trichlorophenol			ug/kg	<444	U	<339	U	<326	U	<314	U
2,4,6-Trichlorophenol			ug/kg	<444	U	<339	U	<326	U	<314	U
2,4-Dichlorophenol			ug/kg	<444	U	<339	U	<326	U	<314	U
2,4-Dimethylphenol			ug/kg	<444	U	<339	U	<326	U	<314	U
2,4-Dinitrophenol			ug/kg	<1780	U	<1350	U	<1300	U	<1260	U
2,4-Dinitrotoluene			ug/kg	<444	U	<339	U	<326	U	<314	U
2,6-Dinitrotoluene			ug/kg	<444	U	<339	U	<326	U	<314	U
2-Chloronaphthalene			ug/kg	<444	U	<339	U	<326	U	<314	U
2-Chlorophenol			ug/kg	<444	U	<339	U	<326	U	<314	U
2-Methylnaphthalene			ug/kg	<444	U	<339	U	**529**		<314	U
2-Methylphenol (O-Cresol)	500,000	1,000,000	ug/kg	<444	U	<339	U	<326	U	<314	U
2-Nitroaniline			ug/kg	<444	U	<339	U	<326	U	<314	U
2-Nitrophenol			ug/kg	<444	U	<339	U	<326	U	<314	U
3,3'-Dichlorobenzidine			ug/kg	<444	U	<339	U	<326	U	<314	U
Cresols, M & P	500,000	1,000,000	ug/kg	NS		NS		NS		NS	
3-Nitroaniline			ug/kg	<444	U	<339	U	<326		<314	U
4,6-Dinitro-2-Methylphenol			ug/kg	<595	U	<453	U	<436	U	<421	U
4-Bromophenyl Phenyl Ether			ug/kg	<444	U	<339	U	<326	U	<314	U
4-Chloro-3-Methylphenol			ug/kg	<444	U	<339	U	<326	U	<314	U
4-Chloroaniline			ug/kg	<444	U	<339	U	<326	U	<314	U
4-Chlorophenyl Phenyl Ether			ug/kg	<444	U	<339	U	<326	U	<314	U
4-Nitroaniline			ug/kg	<444	U	<339	U	<326	U	<314	U
4-Nitrophenol			ug/kg	<444	U	<339	U	<326	U	<314	U
Acenaphthene	500,000	1,000,000	ug/kg	<444	U	<339	U	<326	U	<314	U
Acenaphthylene	500,000	1,000,000	ug/kg	<444	U	<339	U	**367**		<314	U
Acetophenone			ug/kg	<444	U	<339	U	<326	U	<314	U
Anthracene	500,000	1,000,000	ug/kg	<444	U	<339	U	**708**		<314	U
Atrazine			ug/kg	<444	U	<339	U	<326	U	<314	U
Benzo(A)Anthracene	5,600	11,000	ug/kg	<444	U	**430**		**2110**		<314	U
Benzaldehyde			ug/kg	<444	U	<339	U	<326	U	<314	U
Benzo(A)Pyrene	1,000	1,100	ug/kg	<444	U	**398**		**2260**		<314	U
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	<444	U	**424**		**2980**		<314	U
Benzo(G,H,I)Perylene	500,000	1,000,000	ug/kg	<444	U	<339	U	**1710**		<314	U
Benzo(K)Fluoranthene	56,000	110,000	ug/kg	<444	U	<339	U	**1300**		<314	U
Biphenyl (Diphenyl)			ug/kg	NS		NS		NS		NS	
Bis(2-Chloroisopropyl) Ether			ug/kg	NS		NS		NS		NS	
Bis(2-Chloroethoxy) Methane			ug/kg	<444	U	<339	U	<326	U	<314	U
Bis(2-Chloroethyl) Ether			ug/kg	<444	U	<339	U	<326	U	<314	U
Bis(2-Ethylhexyl) Phthalate			ug/kg	<444	U	<339	U	<326	U	<314	U
Benzyl Butyl Phthalate			ug/kg	<444	U	<339	U	<326	U	<314	U
Caprolactam			ug/kg	<444	U	<339	U	<326	U	<314	U
Carbazole			ug/kg	<444	U	<339	U	<326	U	<314	U
Chrysene	56,000	110,000	ug/kg	<444	U	**541**		**2710**		<314	U
Di-N-Butyl Phthalate			ug/kg	<444	U	<339	U	<326	U	<314	U
Di-N-Octylphthalate			ug/kg	<444	U	<339	U	<326	U	<314	U
Dibenz(A,H)Anthracene	560	1,100	ug/kg	<444	U	<339	U	**493**		<314	U

Table 10C
Secondary Containment IRM Work Plan - Closure Sampling
Former Caustic Tank ST10
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

Analytes	Part 375 SCOs		Units	SD-BCP-ST10SE-01		SD-BCP-ST10SE-12		SD-BCP-ST10NW-01		SD-BCP-ST10NW-12	
	Commercial	Industrial									
Sample Date:				5/17/2021		5/17/2021		5/17/2021		5/17/2021	
Sample Interval:				0" - 1" BGS		12" BGS		0" - 1" BGS		12" BGS	
Formation/Location:				Soil		Soil		Soil		Soil	
Dibenzofuran	350,000	1,000,000	ug/kg	<444	U	<339	U	**336**		<314	U
Diethyl Phthalate			ug/kg	<444	U	<339	U	<326	U	<314	U
Dimethyl Phthalate			ug/kg	<444	U	<339	U	<326	U	<314	U
Fluoranthene	500,000	1,000,000	ug/kg	**463**		**919**		**3610**		<314	U
Fluorene	500,000	1,000,000	ug/kg	<444	U	<339	U	<326	U	<314	U
Hexachlorobenzene	6,000	12,000	ug/kg	<444	U	<339	U	<326	U	<314	U
Hexachlorobutadiene			ug/kg	<444	U	<339	U	<326	U	<314	U
Hexachlorocyclopentadiene			ug/kg	<1780	U	<1350	U	<1300	U	<1260	U
Hexachloroethane			ug/kg	<444	U	<339	U	<326	U	<314	U
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	<444	U	**343**		**1720**		<314	U
Isophorone			ug/kg	<444	U	<339	U	<326	U	<314	U
N-Nitrosodi-N-Propylamine			ug/kg	<444	U	<339	U	<326	U	<314	U
N-Nitrosodiphenylamine			ug/kg	<444	U	<339	U	<326	U	<314	U
Naphthalene	500,000	1,000,000	ug/kg	<444	U	<339	U	**1060**		<314	U
Nitrobenzene			ug/kg	<444	U	<339	U	<326	U	<314	U
Pentachlorophenol	6,700	55,000	ug/kg	<889	U	<677	U	<651	U	<629	U
Phenanthrene	500,000	1,000,000	ug/kg	<444	U	**522**		**2220**		<314	U
Phenol	500,000	1,000,000	ug/kg	<444	U	<339	U	<326	U	<314	U
Pyrene	500,000	1,000,000	ug/kg	<444	U	**782**		**2920**		<314	U
TAL Metals (SW6010)											
Aluminum			mg/kg	**4430**		**16800**		**4240**		**13600**	
Antimony			mg/kg	<4.61	U	<3.94	U	<3.40	U	<3.37	M
Arsenic	16	16	mg/kg	**1.34**		**1.07**		**7.87**		**3.34**	
Barium	400	10,000	mg/kg	**124**		**114**		**68.3**		**88.6**	
Beryllium	590	2,700	mg/kg	**0.464**		**0.335**		**0.439**		<0.281	U
Cadmium	9.3	60	mg/kg	<0.384	U	<0.329	U	<0.283	U	<0.281	M
Calcium			mg/kg	**8630**		**78800**		**7630**		**64000**	
Chromium, Total			mg/kg	**20.5**		**19.8**		**13.5**		**17.5**	
Cobalt			mg/kg	**8.3**		**8.87**		**6.36**		**8.38**	
Copper	270	10,000	mg/kg	**25.9**		**18.2**		**31.2**		**15.6**	
Iron			mg/kg	**17100**		**24600**		**17100**		**25700**	
Lead	1,000	3,900	mg/kg	**12.4**		**8.46**		**23.3**		**9.21**	M
Magnesium			mg/kg	**761**		**15700**		**1150**		**13700**	
Manganese	10,000	10,000	mg/kg	**182**		**475**		**233**		**460**	M
Nickel	310	10,000	mg/kg	**23.6**		**19.5**		**14.6**		**18.6**	M
Potassium			mg/kg	<192	U	**4000**		**491**		**3760**	M
Selenium	1,500	6,800	mg/kg	<1.54	U	<1.31	U	**1.62**		<1.12	U
Silver	1,500	6,800	mg/kg	<0.768	U	<0.657	U	<0.567	U	<0.562	U
Sodium			mg/kg	**1580**		**5150**		**2660**		**3440**	
Thallium			mg/kg	<1.92	U	<1.64	U	<1.42	U	<1.41	M
Vanadium			mg/kg	**15.5**		**24.4**		**13.8**		**22.8**	
Zinc	10,000	10,000	mg/kg	**210**		**96.6**		**47.3**		**58.1**	
Mercury (SW7471)											
Mercury	2.8	5.7	mg/kg	**0.0223**		**0.0154**		**0.0926**		**0.0316**	
PCBs (8082A)											
PCB-1016 (Aroclor 1016)	1000	25000	ug/kg	<43	U	<37.7	U	<33.4	U	<30.3	U
PCB-1221 (Aroclor 1221)	1000	25000	ug/kg	<43	U	<37.7	U	<33.4	U	<30.3	U
PCB-1232 (Aroclor 1232)	1000	25000	ug/kg	<43	U	<37.7	U	<33.4	U	<30.3	U
PCB-1242 (Aroclor 1242)	1000	25000	ug/kg	<43	U	<37.7	U	<33.4	U	<30.3	U
PCB-1248 (Aroclor 1248)	1000	25000	ug/kg	<43	U	<37.7	U	<33.4	U	<30.3	U
PCB-1254 (Aroclor 1254)	1000	25000	ug/kg	<43	U	<37.7	U	<33.4	U	<30.3	U
PCB-1260 (Aroclor 1260)	1000	25000	ug/kg	<43	U	<37.7	U	<33.4	U	<30.3	U
PCB-1262 (Aroclor 1262)			ug/kg	<43	U	<37.7	U	<33.4	U	<30.3	U
PCB-1268 (Aroclor 1268)			ug/kg	<43	U	<37.7	U	<33.4	U	<30.3	U

Table 10C
Secondary Containment IRM Work Plan - Closure Sampling
Former Caustic Tank ST10
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

Analytes	Part 375 SCOs		Units	SD-BCP-ST10SE-01		SD-BCP-ST10SE-12		SD-BCP-ST10NW-01		SD-BCP-ST10NW-12	
	Commercial	Industrial									
Sample Date:				5/17/2021		5/17/2021		5/17/2021		5/17/2021	
Sample Interval:				0" - 1" BGS		12" BGS		0" - 1" BGS		12" BGS	
Formation/Location:				Soil		Soil		Soil		Soil	
Pesticides (8081B)											
4,4-DDD	92,000	180,000	ug/kg	<4.30	U	<3.77	U	<3.34	U	<3.03	U
4,4-DDE	62,000	120,000	ug/kg	<4.30	U	<3.77	U	<3.34	U	<3.03	U
4,4-DDT	47,000	94,000	ug/kg	<4.30	U	<3.77	U	<3.34	U	<3.03	U
Aldrin	680	1,400	ug/kg	<4.30	U	<3.77	U	<3.34	U	<3.03	U
Dieldrin	1,400	2,800	ug/kg	<4.30	U	<3.77	U	<3.34	U	<3.03	U
Endosulfan I	200,000	920,000	ug/kg	<4.30	U	<3.77	U	<3.34	U	<3.03	U
Endosulfan II	200,000	920,000	ug/kg	<4.30	U	<3.77	U	<3.34	U	<3.03	U
Endosulfan Sulfate	200,000	920,000	ug/kg	<4.30	U	<3.77	U	**3.39**	P	<3.03	U
Endrin	89,000	410,000	ug/kg	<4.30	U	<3.77	U	**3.75**		<3.03	U
Endrin Aldehyde			ug/kg	<4.30	U	<3.77	U	<3.34	U	<3.03	U
Endrin Ketone			ug/kg	<4.30	U	<3.77	U	**4.35**	P	<3.03	U
Heptachlor	15,000	29,000	ug/kg	<4.30	U	<3.77	U	<3.34	U	<3.03	U
Heptachlor Epoxide			ug/kg	<4.30	U	<3.77	U	<3.34	U	<3.03	U
Methoxychlor			ug/kg	<4.30	U	<3.77	U	**10.1**	P	<3.03	U
Toxaphene			ug/kg	<43.0	U	<37.7	U	<33.4	U	<30.3	U
Alpha BHC	3,400	6,800	ug/kg	<4.30	U	<3.77	U	<3.34	U	<3.03	U
cis-Chlordane	24,000	47,000	ug/kg	<4.30	U	<3.77	U	<3.34	U	<3.03	U
Beta BHC	3,000	14,000	ug/kg	<4.30	U	<3.77	U	<3.34	U	<3.03	U
Delta BHC	500,000	1,000,000	ug/kg	<4.30	U	<3.77	U	<3.34	U	<3.03	U
Gamma Bhc (Lindane)	9,200	23,000	ug/kg	<4.30	U	<3.77	U	<3.34	U	<3.03	U
Trans-Chlordane			ug/kg	<4.30	U	<3.77	U	<3.34	U	<3.03	U
Herbicides (SW8151A)											
Acetic acid, (2,4,5-trichlorophenoxy)-			ug/kg	NS		NS		NS		NS	
Silvex (2,4,5-TP)	500,000	1,000,000	ug/kg	NS		NS		NS		NS	
2,4-D (Dichlorophenoxyacetic Acid)			ug/kg	NS		NS		NS		NS	
Dicamba			ug/kg	NS		NS		NS		NS	
Corrosivity as pH											
Corrosivity (as pH)			S.U.	11.16 @ 22.7 C		12.14 @ 22.5 C		10.77 @ 22.6 C		11.72 @ 22.7 C	
Ignitability											
Ignitability			mm/sec	No Burn		No Burn		No Burn		No Burn	
Reactive Cyanide											
Reactivity, Cyanide			mg/kg	<1.0	U	<1.0	U	<1.0	U	<1.0	U
Reactive Sulfide											
Reactivity, Sulfide			mg/kg	<10	U	<10	U	**16**		**160**	

Table 10C
Secondary Containment IRM Work Plan - Closure Sampling
Former Caustic Tank ST10
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

Analytes	Part 375 SCOs		Units	SD-BCP-ST10SE-01		SD-BCP-ST10SE-12		SD-BCP-ST10NW-01		SD-BCP-ST10NW-12	
	Commercial	Industrial									
Sample Date:				5/17/2021		5/17/2021		5/17/2021		5/17/2021	
Sample Interval:				0" - 1" BGS		12" BGS		0" - 1" BGS		12" BGS	
Formation/Location:				Soil		Soil		Soil		Soil	
EPA TCLP											
TCLP Volatile Organics											
1,1-Dichloroethene	700		ug/l	<20.0	U	<20.0	U	<20.0	U	<20.0	U
1,2-Dichloroethane	500		ug/l	<20.0	U	<20.0	U	<20.0	U	<20.0	U
2-Butanone	200,000		ug/l	<100	U	<100	U	<100	U	<100	U
Benzene	500		ug/l	<20.0	U	<20.0	U	<20.0	U	<20.0	U
Carbon Tetrachloride	500		ug/l	<20.0	U	<20.0	U	<20.0	U	<20.0	U
Chlorobenzene	100,000		ug/l	<20.0	U	<20.0	U	<20.0	U	<20.0	U
Chloroform	6,000		ug/l	<20.0	U	<20.0	U	<20.0	U	<20.0	U
Tetrachloroethene	700		ug/l	<20.0	U	<20.0	U	<20.0	U	<20.0	U
Trichloroethene	500		ug/l	<20.0	U	<20.0	U	<20.0	U	<20.0	U
Vinyl chloride	200		ug/l	<20.0	U	<20.0	U	<20.0	U	<20.0	U
TCLP Semi-Volatile Organics											
2,4,5-Trichlorophenol	400,000		ug/l	<40.0	U	<40.0	U	<40.0	U	<40.0	U
2,4,6-Trichlorophenol	2,000		ug/l	<40.0	U	<40.0	U	<40.0	U	<40.0	U
2,4-Dinitrotoluene	130		ug/l	<40.0	U	<40.0	U	<40.0	U	<40.0	U
Cresols (as m,p,o-Cresol)	200,000		ug/l	<80.0	U	<80.0	U	<80.0	U	<80.0	U
Hexachlorobenzene	130		ug/l	<40.0	U	<40.0	U	<40.0	U	<40.0	U
Hexachlorobutadiene	500		ug/l	<40.0	U	<40.0	U	<40.0	U	<40.0	U
Hexachloroethane	3,000		ug/l	<40.0	U	<40.0	U	<40.0	U	<40.0	U
Nitrobenzene	2,000		ug/l	<40.0	U	<40.0	U	<40.0	U	<40.0	U
Pentachlorophenol	100,000		ug/l	<80.0	U	<80.0	U	<80.0	U	<80.0	U
Pyridine	5,000		ug/l	<40.0	U	<40.0	U	<40.0	U	<40.0	U
TCLP Mercury											
Mercury	0.2		mg/l	<0.00200	U	<0.00200	U	<0.00200	U	<0.00200	U
TCLP RCRA Metals (ICP)											
Arsenic	5		mg/l	<0.500	U	<0.500	U	<0.500	U	<0.500	U
Barium	100		mg/l	**1.95**		**0.844**		**0.569**		**0.672**	
Cadmium	1		mg/l	<0.0250	U	<0.0250	U	<0.0250	U	<0.0250	U
Chromium	5		mg/l	<0.500	U	<0.500	U	<0.500	U	<0.500	U
Lead	5		mg/l	<0.500	U	<0.500	U	<0.500	U	<0.500	U
Selenium	1		mg/l	<0.200	U	<0.200	U	<0.200	U	<0.200	U
Silver	5		mg/l	<0.500	U	<0.500	U	<0.500	U	<0.500	U

Qualifiers:

U - Not detected at the reported detection limit for the sample.
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B - Compound was found in the blank and sample.
HF - Analyzed outside of hold time.
Bold - Compound is detected
Red Highlight - Exceeds NYS Part 375 Industrical SCOs
Green Highlight - Exceeds NYS Part 375 Commercial SCOs
Yellow Highlight - Exceeds EPA Toxicity Characteristic Regulatory Levels

N



LEGEND

- Site Monitoring Well
- Piezometer
- Collection Trench/Sump
- Staff Gauge
- Groundwater System
- Property Line
- Groundwater Collection Trench
- 600 Groundwater Contour

200 0 100 200 400 800

1 INCH =200 FEET (22X34)

NOTE No. 1: SITE SURFACE AND GROUNDWATER GAUGING OCCURRED ON MAY 23, 2023

NOTE No. 2: STAFF GAUGES 3, 4, 6, AND PIEZOMETER P-3 WERE INACCESSABLE DURING THE GAUGING EVENT

D

DRAWING BY	RB
CHECKED	JB
APPROVED	

PROPERTY OF INVENTUM ENGINEERING

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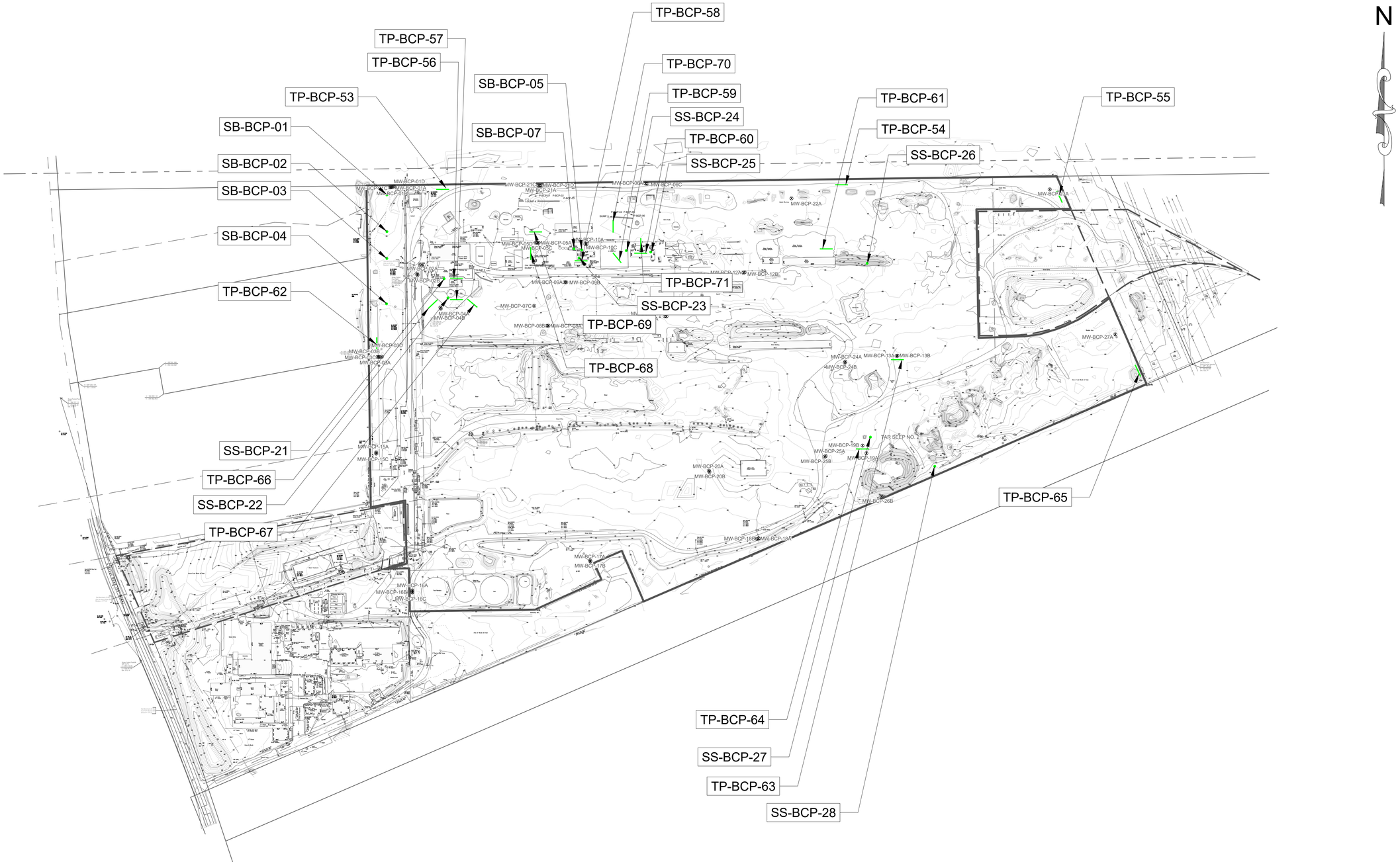
GROUNDWATER CONTOUR MAP
FILL WELLS MAY 2023

RIVERVIEW INNOVATION &
TECHNOLOGY CAMPUS, INC.
3875 RIVER ROAD
TONAWANDA, NEW YORK 14150

INVENTUM ENGINEERING
441 CARLISLE DRIVE
SUITE C
HERNDON, VIRGINIA 20170
(703) 722-6049
www.InventumEng.com

FIGURE 1D

DATA TRANSMITTAL



Note:
The sample locations shown may be adjusted in the field to more completely observe and quantify site conditions.

LEGEND

- (X) MONITORING WELL
- PRE-DESIGN INVESTIGATION BENCH SCALE SURFACE SAMPLE LOCATION - SS-BCP-XXX
- PRE-DESIGN INVESTIGATION SOIL BORING - SB-BCP-XXX
- PRE-DESIGN INVESTIGATION TEST PIT - TP-BCP-XXX

D

1" = 200'
200' 100' 0' 200'

Reference: Niagara Boundary, Map Showing Topographic Survey of Property Owned by Riverview Innovation & Technology Campus Inc., April 2022

DRAWING BY: RB
CHECKED:
APPROVED:

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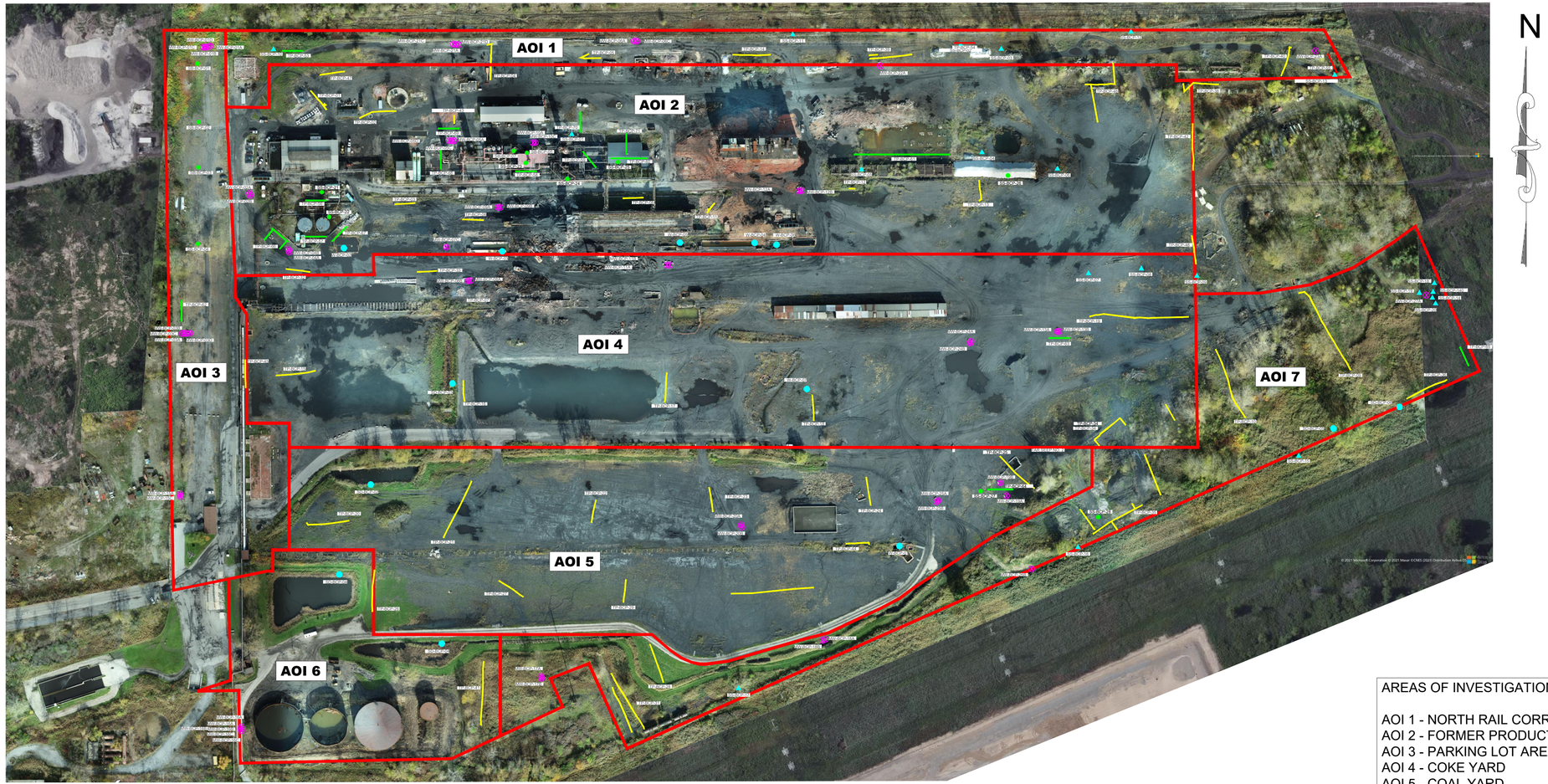
PRE-DESIGN INVESTIGATION LOCATIONS

3875 RIVER ROAD
TONAWANDA, NY 14150

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HERNDON, VIRGINIA 20170
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FIGURE 2D

DATA TRANSMITTAL



AREAS OF INVESTIGATION

AOI 1 - NORTH RAIL CORRIDOR
AOI 2 - FORMER PRODUCTION AREA
AOI 3 - PARKING LOT AREA
AOI 4 - COKE YARD
AOI 5 - COAL YARD
AOI 6 - WATER TREATMENT
AOI 7 - SOUTH DRAINAGE

LEGEND

- MONITORING WELL
- REMEDIAL INVESTIGATION TEST PIT
- REMEDIAL INVESTIGATION SURFACE SAMPLE
- REMEDIAL INVESTIGATION SURFACE WATER SAMPLE
- PRE-DESIGN INVESTIGATION BENCH SCALE SURFACE SAMPLE LOCATION - SS-BCP-XXX
- PRE-DESIGN INVESTIGATION SOIL BORING - SB-BCP-XXX
- PRE-DESIGN INVESTIGATION TEST PIT - TP-BCP-XXX
- AREA OF INVESTIGATION (AOI)

D

150 0 75 150 300 600

1 INCH =150 FEET (22X34)

DRAWING BY	RB
CHECKED	
APPROVED	

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SAMPLE LOCATIONS - RI AND PRE-DESIGN
RIVERVIEW INNOVATION & TECHNOLOGY CAMPUS, INC.
3875 RIVER ROAD
TONAWANDA, NEW YORK 14150
BCP SITE No. C915353

INVENTUM ENGINEERING
441 CARLISLE DRIVE
SUITE C
HERNDON, VIRGINIA 20170
(703) 722-6049
www.InventumEng.com

FIGURE 3D

DRAWING NUMBER

DATA TRANSMITTAL

D

50 0 25 50 100 200

1 INCH = 50 FEET (22X34)

BUILDING FOUNDATIONS
SUB-SLAB SAMPLING
RIVERVIEW INNOVATION & TECHNOLOGY CAMPUS, INC.
3875 RIVER ROAD
TONAWANDA, NEW YORK 14150
BCP SITE No. C915353

INVENTUM ENGINEERING
441 CARLISLE DRIVE
SUITE C
HERNDON, VIRGINIA 20170
(703) 722-6049
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FIGURE 4D

DRAWING NUMBER
DATA TRANSMITTAL

Table 1D
Pre-Design Investigation Work Plan - Soil Borings
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE	SAMPLE ID:	SB-BCP-01-8TO10-05152023		SB-BCP-01-12TO14-05152023		SB-BCP-01-18TO20-05152023		SB-BCP-01-22TO24-05152023		SB-BCP-02-4TO6-05152023		SB-BCP-02-10TO12-05152023		SB-BCP-02-14TO16-05152023		SB-BCP-02-20TO22-05152023		SB-BCP-03-8TO10-05162023		SB-BCP-03-12TO14-05162023		SB-BCP-03-20TO22-05162023		SB-BCP-03-24TO26-05162023		SB-BCP-04-2TO4-05162023		SB-BCP-04-8TO10-05162023		SB-BCP-04-14TO16-05162023		SB-BCP-04-20TO22-05162023		SB-BCP-05-8TO10-05172023		SB-BCP-05-38TO40-05172023		SB-BCP-07-24TO26-05172023	
	LAB ID:	L2327220-01		L2327220-02		L2327220-03		L2327220-04		L2327220-05		L2327220-06		L2327220-07		L2327220-08		L2327169-01		L2327169-02		L2327169-03		L2327169-04		L2327169-05		L2327169-06		L2327169-07		L2327169-08		L2327907-01		L2327907-02		L2327907-03	
	COLLECTION DATE:	5/15/2023		5/15/2023		5/15/2023		5/15/2023		5/15/2023		5/15/2023		5/15/2023		5/15/2023		5/16/2023		5/16/2023		5/16/2023		5/16/2023		5/16/2023		5/16/2023		5/16/2023		5/17/2023		5/17/2023		5/17/2023	
	SAMPLE DEPTH (FT BGS):	8 - 10		12 - 14		18 - 20		22 - 24		4 - 6		10 - 12		14 - 16		20 - 22		8 - 10		12 - 14		20 - 22		24 - 26		2 - 4		8 - 10		14 - 16		20 - 22		8 - 10		38 - 40		24 - 26	
	SAMPLE MATRIX:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Part 375 SCO Commercial	Part 375 SCO Industrial	SOIL BORING 1 - CLAY BORROW EVALUATION PARKING LOT								SOIL BORING 2 - CLAY BORROW EVALUATION PARKING LOT								SOIL BORING 3 - CLAY BORROW EVALUATION PARKING LOT								SOIL BORING 4 - CLAY BORROW EVALUATION PARKING LOT								SOIL BORING 5 - SECONDARY COOLER SUMP INVESTIGATION (OUTSIDE SUMP)				SOIL BORING 7 - WESTERN SUMP	
VOLATILE ORGANICS BY GC/MS	mg/kg	mg/kg																																				
1,1,1-Trichloroethane	500	1000	<0.00016	U	<0.00019	U	<0.00016	U	<0.00021	U	<0.00018	U	<0.00019	U	<0.0002	U	<0.00015	U	<0.00019	U	<0.00019	U	<0.00016	U	<0.00027	U	<0.00019	U	<0.00022	U	<0.0002	U	<0.00026	U	<0.012	U	<0.00018	U	<0.00021	U
1,1,2,2-Tetrachloroethane			<0.00016	U	<0.00019	U	<0.00016	U	<0.00021	U	<0.00018	U	<0.00019	U	<0.0002	U	<0.00015	U	<0.00019	U	<0.00019	U	<0.00016	U	<0.00027	U	<0.00019	U	<0.00022	U	<0.0002	U	<0.00026	U	<0.012	U	<0.00018	U	<0.00021	U
1,1,2-Trichloroethane			<0.00025	U	<0.00031	U	<0.00026	U	<0.00034	U	<0.00028	U	<0.0003	U	<0.00032	U	<0.00024	U	<0.0003	U	<0.00031	U	<0.00026	U	<0.00043	U	<0.0003	U	<0.00035	U	<0.00032	U	<0.00042	U	<0.02	U	<0.00028	U	<0.00033	U
1,1-Dichloroethane	240	480	<0.00014	U	<0.00017	U	<0.00014	U	<0.00018	U	<0.00015	U	<0.00016	U	<0.00017	U	<0.00013	U	<0.00016	U	<0.00017	U	<0.00014	U	<0.00023	U	<0.00017	U	<0.00019	U	<0.00017	U	<0.00023	U	<0.011	U	<0.00016	U	<0.00018	U
1,1-Dichloroethene	500	1000	<0.00022	U	<0.00027	U	<0.00023	U	<0.0003	U	<0.00025	U	<0.00027	U	<0.00028	U	<0.00022	U	<0.00027	U	<0.00028	U	<0.00023	U	<0.00038	U	<0.00027	U	<0.00031	U	<0.00029	U	<0.00038	U	<0.018	U	<0.00025	U	<0.0003	U
1,2,3-Trichlorobenzene			<0.0003	U	<0.00037	U	<0.00031	U	<0.00041	U	<0.00034	U	<0.00036	U	<0.00038	U	<0.00029	U	<0.00037	U	<0.00037	U	<0.00031	U	<0.00052	U	<0.00037	U	<0.00042	U	<0.00039	U	<0.00051	U	<0.024	U	<0.00034	U	<0.0004	U
1,2,4-Trichlorobenzene			<0.00026	U	<0.00031	U	<0.00026	U	<0.00034	U	<0.00029	U	<0.00031	U	<0.00032	U	<0.00025	U	<0.00031	U	<0.00032	U	<0.00026	U	<0.00044	U	<0.00031	U	<0.00036	U	<0.00033	U	<0.00043	U	<0.02	U	<0.00029	U	<0.00034	U
1,2-Dibromo-3-chloropropane			<0.00094	U	<0.0012	U	<0.00097	U	<0.0013	U	<0.001	U	<0.0011	U	<0.0012	U	<0.00091	U	<0.0011	U	<0.0012	U	<0.00096	U	<0.0016	U	<0.0011	U	<0.0013	U	<0.0012	U	<0.0016	U	<0.074	U	<0.0011	U	<0.0012	U
1,2-Dibromoethane			<0.00026	U	<0.00032	U	<0.00027	U	<0.00035	U	<0.0003	U	<0.00031	U	<0.00033	U	<0.00025	U	<0.00032	U	<0.00032	U	<0.00027	U	<0.00045	U	<0.00032	U	<0.00037	U	<0.00034	U	<0.00044	U	<0.021	U	<0.0003	U	<0.00035	U
1,2-Dichlorobenzene	500	1000	<0.00014	U	<0.00017	U	<0.00014	U	<0.00018	U	<0.00015	U	<0.00016	U	<0.00017	U	<0.00013	U	<0.00016	U	<0.00017	U	<0.00014	U	<0.00023	U	<0.00016	U	<0.00019	U	<0.00017	U	<0.00023	U	<0.011	U	<0.00015	U	<0.00018	U
1,2-Dichloroethane	30	60	<0.00024	U	<0.0003	U	<0.00025	U	<0.00032	U	<0.00027	U	<0.00029	U	<0.0003	U	<0.00023	U	<0.00029	U	<0.0003	U	<0.00025	U	<0.00041	U	<0.00029	U	<0.00034	U	<0.00031	U	<0.00041	U	<0.019	U	<0.00028	U	<0.00032	U
1,2-Dichloropropane			<0.00012	U	<0.00014	U	<0.00012	U	<0.00016	U	<0.00013	U	<0.00014	U	<0.00015	U	<0.00011	U	<0.00014	U	<0.00014	U	<0.00012	U	<0.0002	U	<0.00014	U	<0.00016	U	<0.00015	U	<0.0002	U	<0.0092	U	<0.00013	U	<0.00016	U
1,3-Dichlorobenzene	280	560	<0.00014	U	<0.00017	U	<0.00014	U	<0.00019	U	<0.00016	U	<0.00017	U	<0.00018	U	<0.00013	U	<0.00017	U	<0.00017	U	<0.00014	U	<0.00024	U	<0.00017	U	<0.00019	U	<0.00018	U	<0.00024	U	<0.011	U	<0.00016	U	<0.00018	U
1,4-Dichlorobenzene	130	250	<0.00016	U	<0.0002	U	<0.00017	U	<0.00022	U	<0.00018	U	<0.00019	U	<0.0002	U	<0.00016	U	<0.0002	U	<0.0002	U	<0.00016	U	<0.00027	U	<0.0002	U	<0.00022	U	<0.00021	U	<0.00027	U	<0.013	U	<0.00018	U	<0.00021	U
1,4-Dioxane	130	250	<0.033	U	<0.04	U	<0.034	U	<0.044	U	<0.037	U	<0.04	U	<0.042	U	<0.032	U	<0.04	U	<0.041	U	<0.034	U	<0.056	U	<0.04	U	<0.046	U	<0.042	U	<0.056	U	<2.6	U	<0.038	U	<0.044	U
2-Butanone	500	1000	<0.0021	U	<0.0026	U	<0.0022	U	<0.0028	U	<0.0023	U	<0.0025	U	<0.0026	U	<0.002	U	<0.0025	U	<0.0026	U	<0.0021	U	<0.0036	U	<0.0025	U	<0.0029	U	<0.0027	U	<0.0035	U	<0.16	U	<0.0024	U	0.0028	J
2-Hexanone			<0.0011	U	<0.0014	U	<0.0011	U	<0.0015	U	<0.0012	U	<0.0013	U	<0.0014	U	<0.0011	U	<0.0013	U	<0.0014	U	<0.0011	U	<0.0019	U	<0.0014	U	<0.0016	U	<0.0014	U	<0.0019	U	<0.087	U	<0.0013	U	<0.0015	U
4-Methyl-2-pentanone			<0.0012	U	<0.0015	U	<0.0012	U	<0.0016	U	<0.0014	U	<0.0014	U	<0.0015	U	<0.0012	U	<0.0015	U	<0.0015	U	<0.0012	U	<0.002	U	<0.0015	U	<0.0017	U	<0.0015	U	<0.002	U	<0.095	U	<0.0014	U	<0.0016	U
Acetone	500	1000	<0.0045	U	<0.0056	U	0.011		<0.0061	U	<0.0051	U	<0.0054	U	<0.0057	U	0.0096		<0.0055	U	<0.0056	U	<0.0046	U	<0.0077	U	<0.0055	U	<0.0063	U	<0.0058	U	0.012	J	<0.36	U	<0.0051	U	0.032	
Benzene	44	89	<0.00016	U	<0.00019	U	<0.00016	U	<0.00021	U	<0.00018	U	<0.00019	U	<0.0002	U	<0.00015	U	<0.00019	U	<0.00019	U	<0.00016	U	<0.00027	U	<0.00019	U	<0.00022	U	<0.0002	U	<0.00026	U	0.47		<0.00018	U	0.00085	
Bromochloromethane			<0.00019	U	<0.00024	U	<0.0002	U	<0.00026	U	<0.00022	U	<0.00023	U	<0.00024	U	<0.00019	U	<0.00023	U	<0.00024	U	<0.0002	U	<0.00033	U	<0.00023	U	<0.00027	U	<0.00025	U	<0.00032	U	<0.015	U	<0.00022	U	<0.00026	U
Bromodichloromethane			<0.0001	U	<0.00012	U	<0.00011	U	<0.00014	U	<0.00012	U	<0.00012	U	<0.00013	U	<0.0001	U	<0.00012	U	<0.00013	U	<0.0001	U	<0.00017	U	<0.00012	U	<0.00014	U	<0.00013	U	<0.00017	U	<0.0081	U	<0.00012	U	<0.00014	U
Bromoform			<0.00023	U	<0.00028	U	<0.00024	U	<0.00031	U	<0.00026	U	<0.00028	U	<0.00029	U	<0.00022	U	<0.00028	U	<0.00028	U	<0.00024	U	<0.00039	U	<0.00028	U	<0.00032	U	<0.0003	U	<0.00039	U	<0.018	U	<0.00026	U	<0.00031	U
Bromomethane			<0.00054	U	<0.00067	U	<0.00056	U	<0.00074	U	<0.00061	U	<0.00066	U	<0.00069	U	<0.00053	U	<0.00066	U	<0.00067	U	<0.00056	U	<0.00093	U	<0.00066	U	<0.00076	U	<0.0007	U	<0.00092	U	<0.043	U	<0.00062	U	<0.00072	U
Carbon disulfide			<0.0043	U	<0.0052	U	<0.0044	U	<0.0058	U	<0.0048	U	<0.0051	U	<0.0054	U	<0.0041	U	<0.0052	U	<0.0053	U	<0.0044	U	<0.0073	U	<0.0052	U	<0.006	U	<0.0055	U	<0.0072	U	<0.34	U	<0.0049	U	<0.0057	U
Carbon tetrachloride	22	44	<0.00022	U	<0.00026	U	<0.00022	U	<0.00029	U	<0.00024	U	<0.00026	U	<0.00027	U	<0.00021	U	<0.00026	U	<0.00027	U	<0.00022	U	<0.00037	U	<0.00026	U	<0.0003	U	<0.00028	U	<0.00036	U	<0.017	U	<0.00025	U	<0.00029	U
Chlorobenzene	500	1000	<0.00012	U	<0.00015	U	<0.00012	U	<0.00016	U	<0.00013	U	<0.00014	U	<0.00015	U	<0.00012	U	<0.00014	U	<0.00015	U	<0.00012	U	<0.0002	U	<0.00014	U	<0.00017	U	<0.00015	U	<0.0002	U	<0.0094	U	<0.00014	U	<0.00016	U
Chloroethane			<0.00042	U	<0.00052	U	<0.00044	U	<0.00057	U	<0.00048	U	<0.00051	U	<0.00054	U	<0.00041	U	<0.00052	U	<0.00052	U	<0.00044	U	<0.00072	U	<0.00052	U	<0.00059	U	<0.00054	U	<0.00072	U	<0.033	U	<0.00048	U	<0.00056	U
Chloroform	350	700	<0.00013	U	<0.00016	U	<0.00014	U	<0.00018	U	<0.00015	U	<0.00016	U	<0.00017	U	<0.00013	U	<0.00016	U	<0.00016	U	<0.00014	U	<0.00022	U	<0.00016	U	<0.00018	U	<0.00017	U	<0.00022	U	<0.01	U	<0.00015	U	<0.00017	U
Chloromethane			<0.00087	U	<0.0011	U	<0.00091	U	<0.0012	U	<0.00098	U	<0.001	U	<0.0011	U	<0.00085	U	<0.0011	U	<0.0011	U	<0.0009	U	<0.0015	U	<0.0011	U	<0.0012	U	<0.0011	U	<0.0015	U	<0.069	U	<0.001	U	<0.0012	U
cis-1,2-Dichloroethene	500	1000	<0.00016	U	<0.0002	U	<0.00017	U	<0.00022	U	<0.00018	U	<0.0002	U	<0.00021	U	<0.00016	U	<0.0002	U	<0.0002	U	<0.00017	U	<0.00028	U	<0.0002	U	<0.00023	U	<0.00021	U	<0.00028	U	<0.013	U	<0.00019	U	<0.00022	U
cis-1,3-Dichloropropene			<0.00015	U	<0.00018	U	<0.00015	U	<0.0002	U	<0.00017	U	<0.00018	U	<0.00019	U	<0.00014	U	<0.00018	U	<0.00018	U	<0.00015	U	<0.00025	U	<0.00018	U	<0.00021	U	<0.00019	U	<0.00025	U	<0.012	U	<0.00017	U	<0.0002	U
Cyclohexane			<0.00051	U	<0.00063	U	<0.00053	U	<0.00069	U	<0.00058	U	<0.00061	U	<0.00065	U	<0.0005	U	<0.00062	U	<0.00063	U	<0.00052	U	<0.00087	U	<0.00062	U	<0.00072	U	<0.00066	U	<0.00086	U	<0.04	U	<0.00058	U	<0.00068	U
Dibromochloromethane			<0.00013	U	<0.00016	U	<0.00014	U	<0.00018	U	<0.00015	U	<0.00016	U	<0.00017	U	<0.00013	U	<0.00016	U	<0.00016	U	<0.00014	U	<0.00022	U	<0.00016	U	<0.00018	U	<0.00017	U	<0.00022	U	<0.01	U	<0.00015	U	<0.00017	U
Dichlorodifluoromethane			<0.00086	U	<0.001	U	<0.00089	U	<0.0012	U	<0.00097	U	<0.001	U	<0.0011	U	<0.00083	U	<0.001	U	<0.0011	U	<0.00088	U	<0.0015	U	<0.001	U	<0.0012	U	<0.0011	U	<0.0014	U	<0.068	U	<0.00098	U	<0.0011	U
Ethylbenzene	390	780	<0.00013	U	<0.00016	U	<0.00014	U	<0.00018	U	<0.00015	U	<0.00016	U	<0.00017	U	<0.00013	U	<0.00016	U	<0.00016	U	<0.00014	U	<0.00023	U	<0.00016	U	<0.00018	U	<0.00017	U	<0.00022	U	0.66		<0.00015	U	<0.00018	U
Freon-113			<0.00065	U	<0.0008	U	<0.00067	U	<0.00088	U	<0.00073	U	<0.00078	U	<0.00082	U	<0.00063	U	<0.00079	U	<0.0008	U	<0.00067	U	<0.0011	U	<0.00079	U	<0.00091	U	<0.00084	U	<0.0011	U	<0.051	U	<0.00074	U	<0.00086	U
Isopropylbenzene			<0.0001	U	<0.00012	U	<0.00011	U	<0.00014	U	<0.00012	U	<0.00012	U	<0.00013	U	<0.0001	U	<0.00012	U	<0.00013	U	<0.0001	U	<0.00017	U	<0.00012	U	<0.00014	U	<0.00013	U	<0.00017	U	0.026	J	<0.00012	U	<0.00014	U
Methyl Acetate			<0.00089	U	<0.0011	U	<0.00092	U	<0.0012	U	<0.001	U	<0.0011	U	<0.0011	U	<0.00086	U	<0.0011	U	<0.0011	U	<0.00092	U	<0.0015	U	<0.0011	U	<0.0012	U	<0.0011	U	<0.0015	U	0.78		<0.001	U	<0.0012	U
Methyl cyclohexane			<0.00056	U	<0.0007	U	<0.00059	U	<0.00076	U	<0.00064	U	<0.00068	U	<0.00072	U	<0.00055	U	<0.00069	U	<0.0007	U	<0.00058	U	<0.00097	U	<0.00069	U	<0.0009	U	<0.00079	U	<0.00096	U	0.059	J	<0.00064	U	<0.00075	U
Methyl tert butyl ether	500	1000	<0.00019	U	<0.00023	U	<0.0002	U	<0.00025	U	<0.00021	U	<0.00023	U	<0.00024	U	<0.00018	U	<0.00023	U	<0.00023	U	<0.00019	U	<0.00032	U	<0.00023	U	<0.00026	U	<0.00024	U	<0.00032	U	<0.015	U	<0.00022	U	<0.00025	U
Methylene chloride	500	1000	<0.0021	U	<0.0026	U	<0.0022	U	<0.0029	U	<0.0024	U	<0.0026	U	<0.0027	U	<0.0021	U	<0.0026	U	<0.0026	U	<0.0022	U	<0.0037	U	<0.0026	U	<0.003	U	<0.0028	U	<0.0036	U	<0.17	U	<0.0024	U	<0.0028	U
o-Xylene			<0.00027	U	<0.00034	U	<0.00028	U	<0.00037	U	<0.00031	U	<0.00033	U	<0.00034	U	<0.00026	U	<0.00033	U	<0.00034	U	<0.00028	U	<0.00047	U	<0.00033	U	<0.00038	U	<0.00035	U	<0.00046	U	0.73		<0.00031	U	<0.00036	U
p/m-Xylene			<0.00052	U	<0.00065	U	<0.00054	U	<0.00071	U	<0.00059	U	<0.00063	U	<0.00066	U	<0.00051	U	<0.00064	U	<0.00065	U	<0.00054	U	<0.0009	U	<0.00064	U	<0.00074	U	<0.00068	U	<0.00089	U	2		<0.0006	U	<0.0007	U
Styrene			<0.00018	U	<0.00023	U	<0.00019	U	<0.00025	U	<0.00021	U	<0.00022	U	<0.00023	U	<0.00018	U	<0.00022	U	<0.00023	U	<0.00019	U	<0.00031	U	<0.00022	U	<0.00026	U	<0.00024	U	<0.00031	U	0.23		<0.00021	U	<0.00024	U
Tetrachloroethene	150	300	<0.00018	U	<0.00023	U	<0.00019	U	<0.00025	U	<0.00021	U	<0.00022	U	<0.00023	U	<0.00018	U	<0.00022	U	<0.00023	U	<0.00019	U	<0.00031	U	<0.00022	U	<0.00026	U	<0.00024	U	<0.00031	U	<0.014	U	<0.00021	U	<0.00024	U
Toluene	500	1000	<0.00051	U	<0.00063	U	<0.00053	U	<0.00069	U	<0.00057	U	<0.00061	U	<0.00064	U	<0.00049	U	<0.00062	U	<0.00063	U	<0.00052	U	<0.00087	U	<0.00062	U	<0.00071	U	<0.00066	U	<0.00086	U	0.38		<0.00058	U	<0.00068	U
trans-1,2-Dichloroethene	500	1000	<0.00013	U	<0.00016	U	<0.00013	U	<0.00017	U	<0.00014	U	<0.00015	U	<0.00016	U	<0.00012	U	<0.00016	U	<0.00016	U	<0.00013	U	<0.00022	U	<0.00016	U	<0.00018	U	<0.00016	U	<0.00022	U	<0.01	U	<0.00015	U	<0.00017	U
trans-1,3-Dichloropropene			<0.00026	U	<0.00032	U	<0.00026	U	<0.00034	U	<0.00029	U	<0.00031	U	<0.00032	U	<0.00025	U	<0.00031	U	<0.00032	U	<0.00026	U	<0.00044	U	<0.00031	U	<0.00036	U	<0.00033	U	<0.00043	U	<0.02	U	<0.00029	U	<0.00034	U
Trichloroethene	200	400	<0.00013	U	<0.00016	U	<0.00013	U	<0.00017	U	<0.00014	U	<0.00015	U	<0.00016	U	<0.00012	U	<0.00016	U	<0.00016	U	<0.00013	U	<0.00022	U	<0.00016	U	<0.00018	U	<0.00016	U	<0.00022	U	<0.01	U	<0.00015	U	<0.00017	U
Trichlorofluoromethane			<0.00065	U	<0.0008	U	<0.00068	U	<0.00088	U	<0.00074	U	<0.00078	U	<0.00083	U	<0.00063	U	<0.00079	U	<0.0008	U	<0.00067	U	<0.0011	U	<0.0008	U	<0.00091	U	<0.00084	U	<0.0011	U	<0.051	U	<0.00074	U	<0.00086	U
Vinyl chloride	13	27	<0.00031	U	<0.00039	U	<0.00032	U	<0.00042	U	<0.00035	U	<0.00038	U	<0.0004	U	<0.0003	U	<0.00038	U	<0.00039	U	<0.00032	U	<0.00054	U	<0.00038	U	<0.00044	U	<0.0004	U	<0.00053	U	<0.025	U	<0.00036	U	<0.00042	U

Table 1D
Pre-Design Investigation Work Plan - Soil Borings
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE		SAMPLE ID:	SB-BCP-01-8TO10-05152023		SB-BCP-01-12TO14-05152023		SB-BCP-01-18TO20-05152023		SB-BCP-01-22TO24-05152023		SB-BCP-02-4TO6-05152023		SB-BCP-02-10TO12-05152023		SB-BCP-02-14TO16-05152023		SB-BCP-02-20TO22-05152023		SB-BCP-03-8TO10-05162023		SB-BCP-03-12TO14-05162023		SB-BCP-03-20TO22-05162023		SB-BCP-03-24TO26-05162023		SB-BCP-04-2TO4-05162023		SB-BCP-04-8TO10-05162023		SB-BCP-04-14TO16-05162023		SB-BCP-04-20TO22-05162023		SB-BCP-05-8TO10-05172023		SB-BCP-05-38TO40-05172023		SB-BCP-07-24TO26-05172023	
		LAB ID:	L2327220-01		L2327220-02		L2327220-03		L2327220-04		L2327220-05		L2327220-06		L2327220-07		L2327220-08		L2327169-01		L2327169-02		L2327169-03		L2327169-04		L2327169-05		L2327169-06		L2327169-07		L2327169-08		L2327907-01		L2327907-02		L2327907-03	
		COLLECTION DATE:	5/15/2023		5/15/2023		5/15/2023		5/15/2023		5/15/2023		5/15/2023		5/15/2023		5/15/2023		5/16/2023		5/16/2023		5/16/2023		5/16/2023		5/16/2023		5/16/2023		5/16/2023		5/17/2023		5/17/2023		5/17/2023	
		SAMPLE DEPTH (FT BGS):	8 - 10		12 - 14		18 - 20		22 - 24		4 - 6		10 - 12		14 - 16		20 - 22		8 - 10		12 - 14		20 - 22		24 - 26		2 - 4		8 - 10		14 - 16		20 - 22		8 - 10		38 - 40		24 - 26	
		SAMPLE MATRIX:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Part 375 SCO Commercial	Part 375 SCO Industrial	SOIL BORING 1 - CLAY BORROW EVALUATION PARKING LOT								SOIL BORING 2 - CLAY BORROW EVALUATION PARKING LOT								SOIL BORING 3 - CLAY BORROW EVALUATION PARKING LOT								SOIL BORING 4 - CLAY BORROW EVALUATION PARKING LOT								SOIL BORING 5 - SECONDARY COOLER SUMP INVESTIGATION (OUTSIDE SUMP)				SOIL BORING 7 - WESTERN SUMP	
SEMIVOLATILE ORGANICS BY GC/MS	mg/kg	mg/kg																																						
1,2,4,5-Tetrachlorobenzene			<0.02	U	<0.02	U	<0.02	U	<0.023	U	<0.02	U	<0.02	U	<0.021	U	<0.022	U	<0.02	U	<0.02	U	<0.021	U	<0.022	U	<0.021	U	<0.02	U	<0.02	U	<0.023	U	<0.4	U	<0.019	U	<0.023	U
2,3,4,6-Tetrachlorophenol			<0.038	U	<0.04	U	<0.04	U	<0.045	U	<0.038	U	<0.039	U	<0.04	U	<0.042	U	<0.038	U	<0.038	U	<0.041	U	<0.043	U	<0.041	U	<0.039	U	<0.038	U	<0.04	U	<0.045	U	<0.76	U	<0.037	U	<0.045	U
2,4,5-Trichlorophenol			<0.036	U	<0.038	U	<0.038	U	<0.042	U	<0.036	U	<0.037	U	<0.038	U	<0.039	U	<0.036	U	<0.036	U	<0.039	U	<0.041	U	<0.039	U	<0.036	U	<0.038	U	<0.043	U	<0.72	U	<0.035	U	<0.043	U
2,4,6-Trichlorophenol			<0.036	U	<0.037	U	<0.037	U	<0.042	U	<0.036	U	<0.036	U	<0.038	U	<0.039	U	<0.036	U	<0.036	U	<0.038	U	<0.04	U	<0.038	U	<0.035	U	<0.037	U	<0.042	U	<0.72	U	<0.035	U	<0.042	U
2,4-Dichlorophenol			<0.03	U	<0.032	U	<0.032	U	<0.036	U	<0.031	U	<0.031	U	<0.032	U	<0.033	U	<0.03	U	<0.03	U	<0.032	U	<0.034	U	<0.032	U	<0.03	U	<0.032	U	<0.036	U	<0.61	U	<0.029	U	<0.036	U
2,4-Dimethylphenol			<0.063	U	<0.065	U	<0.065	U	<0.073	U	<0.063	U	<0.063	U	<0.065	U	<0.068	U	<0.063	U	<0.063	U	<0.067	U	<0.07	U	<0.066	U	<0.062	U	<0.065	U	<0.074	U	<1.2	U	<0.06	U	<0.074	U
2,4-Dinitrophenol			<0.088	U	<0.092	U	<0.092	U	<0.1	U	<0.089	U	<0.089	U	<0.092	U	<0.096	U	<0.088	U	<0.088	U	<0.094	U	<0.099	U	<0.094	U	<0.087	U	<0.092	U	<0.1	U	<1.8	U	<0.085	U	<0.1	U
2,4-Dinitrotoluene			<0.038	U	<0.039	U	<0.039	U	<0.044	U	<0.038	U	<0.038	U	<0.04	U	<0.041	U	<0.038	U	<0.038	U	<0.04	U	<0.042	U	<0.04	U	<0.037	U	<0.039	U	<0.045	U	<0.76	U	<0.037	U	<0.044	U
2,6-Dinitrotoluene			<0.032	U	<0.034	U	<0.034	U	<0.038	U	<0.033	U	<0.033	U	<0.034	U	<0.035	U	<0.032	U	<0.032	U	<0.035	U	<0.036	U	<0.035	U	<0.032	U	<0.034	U	<0.038	U	<0.65	U	<0.031	U	<0.038	U
2-Chloronaphthalene			<0.019	U	<0.02	U	<0.02	U	<0.022	U	<0.019	U	<0.019	U	<0.02	U	<0.02	U	<0.019	U	<0.019	U	<0.02	U	<0.021	U	<0.02	U	<0.018	U	<0.02	U	<0.022	U	<0.38	U	<0.018	U	<0.022	U
2-Chlorophenol			<0.022	U	<0.023	U	<0.023	U	<0.026	U	<0.022	U	<0.023	U	<0.023	U	<0.024	U	<0.022	U	<0.022	U	<0.024	U	<0.025	U	<0.024	U	<0.022	U	<0.023	U	<0.026	U	<0.45	U	<0.022	U	<0.026	U
2-Methylnaphthalene			<0.023	U	<0.024	U	<0.024	U	<0.027	U	<0.023	U	<0.023	U	<0.024	U	<0.025	U	<0.023	U	<0.023	U	<0.024	U	<0.026	U	<0.024	U	<0.022	U	<0.024	U	<0.027	U	30		<0.022	U	0.047	J
2-Methylphenol	500	1000	<0.029	U	<0.03	U	<0.03	U	<0.034	U	<0.03	U	<0.03	U	<0.031	U	<0.032	U	<0.029	U	<0.029	U	<0.031	U	<0.033	U	<0.031	U	<0.029	U	<0.03	U	<0.035	U	<0.59	U	<0.028	U	<0.034	U
2-Nitroaniline			<0.037	U	<0.038	U	<0.038	U	<0.043	U	<0.037	U	<0.037	U	<0.038	U	<0.04	U	<0.036	U	<0.036	U	<0.039	U	<0.041	U	<0.039	U	<0.036	U	<0.038	U	<0.043	U	<0.73	U	<0.035	U	<0.043	U
2-Nitrophenol			<0.071	U	<0.074	U	<0.074	U	<0.083	U	<0.072	U	<0.072	U	<0.074	U	<0.078	U	<0.071	U	<0.071	U	<0.076	U	<0.08	U	<0.076	U	<0.07	U	<0.074	U	<0.084	U	<1.4	U	<0.069	U	<0.084	U
3,3'-Dichlorobenzidine			<0.05	U	<0.052	U	<0.052	U	<0.059	U	<0.051	U	<0.051	U	<0.053	U	<0.055	U	<0.05	U	<0.05	U	<0.054	U	<0.057	U	<0.054	U	<0.05	U	<0.052	U	<0.06	U	<1	U	<0.049	U	<0.059	U
3-Methylphenol/4-Methylphenol	500	1000	<0.03	U	<0.031	U	<0.031	U	<0.035	U	<0.03	U	<0.03	U	<0.031	U	<0.032	U	<0.03	U	<0.03	U	<0.032	U	<0.033	U	<0.032	U	<0.029	U	<0.031	U	<0.035	U	<0.59	U	<0.029	U	0.052	J
3-Nitroaniline			<0.036	U	<0.037	U	<0.037	U	<0.042	U	<0.036	U	<0.036	U	<0.037	U	<0.039	U	<0.036	U	<0.036	U	<0.038	U	<0.04	U	<0.038	U	<0.035	U	<0.037	U	<0.042	U	<0.71	U	<0.034	U	<0.042	U
4,6-Dinitro-o-cresol			<0.091	U	<0.094	U	<0.094	U	<0.11	U	<0.092	U	<0.092	U	<0.095	U	<0.099	U	<0.091	U	<0.091	U	<0.097	U	<0.1	U	<0.097	U	<0.09	U	<0.095	U	<0.11	U	<1.8	U	<0.088	U	<0.11	U
4-Bromophenyl phenyl ether			<0.029	U	<0.03	U	<0.03	U	<0.034	U	<0.029	U	<0.029	U	<0.03	U	<0.031	U	<0.029	U	<0.029	U	<0.031	U	<0.032	U	<0.031	U	<0.028	U	<0.03	U	<0.034	U	<0.58	U	<0.028	U	<0.034	U
4-Chloroaniline			<0.034	U	<0.036	U	<0.036	U	<0.04	U	<0.035	U	<0.035	U	<0.036	U	<0.038	U	<0.034	U	<0.034	U	<0.037	U	<0.039	U	<0.037	U	<0.034	U	<0.036	U	<0.041	U	<0.69	U	<0.033	U	<0.04	U
4-Chlorophenyl phenyl ether			<0.02	U	<0.021	U	<0.021	U	<0.024	U	<0.02	U	<0.02	U	<0.021	U	<0.022	U	<0.02	U	<0.02	U	<0.022	U	<0.023	U	<0.022	U	<0.02	U	<0.021	U	<0.024	U	<0.4	U	<0.02	U	<0.024	U
4-Nitroaniline			<0.079	U	<0.081	U	<0.081	U	<0.092	U	<0.079	U	<0.079	U	<0.082	U	<0.085	U	<0.078	U	<0.078	U	<0.084	U	<0.088	U	<0.084	U	<0.077	U	<0.082	U	<0.093	U	<1.6	U	<0.076	U	<0.092	U
4-Nitrophenol			<0.077	U	<0.08	U	<0.08	U	<0.09	U	<0.078	U	<0.078	U	<0.081	U	<0.084	U	<0.077	U	<0.077	U	<0.083	U	<0.087	U	<0.082	U	<0.076	U	<0.08	U	<0.092	U	<1.5	U	<0.075	U	<0.091	U
Acenaphthene	500	1000	<0.02	U	<0.02	U	<0.02	U	<0.023	U	<0.02	U	<0.02	U	<0.021	U	<0.02	U	<0.021	U	<0.02	U	<0.021	U	<0.022	U	<0.021	U	<0.019	U	<0.02	U	<0.023	U	12		<0.019	U	<0.023	U
Acenaphthylene	500	1000	<0.029	U	<0.03	U	<0.03	U	<0.034	U	<0.029	U	<0.03	U	<0.03	U	<0.032	U	<0.029	U	<0.029	U	<0.031	U	<0.033	U	<0.031	U	<0.029	U	<0.03	U	<0.035	U	12		<0.028	U	<0.034	U
Acetophenone			<0.024	U	<0.024	U	<0.024	U	<0.027	U	<0.024	U	<0.024	U	<0.024	U	<0.026	U	<0.023	U	<0.024	U	<0.025	U	<0.026	U	<0.025	U	<0.023	U	<0.024	U	<0.028	U	<0.47	U	<0.023	U	<0.028	U
Anthracene	500	1000	<0.037	U	<0.038	U	<0.038	U	<0.043	U	<0.037	U	<0.037	U	<0.038	U	<0.04	U	<0.037	U	<0.037	U	<0.04	U	<0.042	U	<0.039	U	<0.036	U	<0.038	U	<0.044	U	16		<0.036	U	<0.043	U
Atrazine			<0.066	U	<0.069	U	<0.069	U	<0.078	U	<0.067	U	<0.067	U	<0.069	U	<0.072	U	<0.066	U	<0.066	U	<0.071	U	<0.074	U	<0.07	U	<0.065	U	<0.069	U	<0.078	U	<1.3	U	<0.064	U	<0.078	U
Benzaldehyde			<0.051	U	<0.053	U	<0.053	U	<0.06	U	<0.051	U	<0.052	U	<0.053	U	<0.056	U	<0.051	U	<0.051	U	<0.055	U	<0.057	U	<0.054	U	<0.05	U	<0.053	U	<0.06	U	<1	U	<0.05	U	<0.06	U
Benzo(a)anthracene	5.6	11	<0.021	U	<0.022	U	<0.022	U	<0.025	U	<0.021	U	<0.022	U	<0.022	U	<0.023	U	<0.021	U	<0.021	U	<0.023	U	<0.024	U	<0.023	U	<0.021	U	<0.022	U	<0.025	U	23		<0.021	U	<0.025	U
Benzo(a)pyrene	1	1.1	<0.046	U	<0.048	U	<0.048	U	<0.054	U	<0.046	U	<0.047	U	<0.048	U	<0.05	U	<0.046	U	<0.046	U	<0.049	U	<0.052	U	<0.049	U	<0.046	U	<0.048	U	<0.055	U	21		<0.045	U	<0.054	U
Benzo(b)fluoranthene	5.6	11	<0.032	U	<0.033	U	<0.033	U	<0.037	U	<0.032	U	<0.032	U	<0.033	U	<0.035	U	<0.032	U	<0.032	U	<0.034	U	<0.036	U	<0.034	U	<0.031	U	<0.033	U	<0.038	U	25		<0.031	U	<0.038	U
Benzo(ghi)perylene	500	1000	<0.022	U	<0.023	U	<0.023	U	<0.026	U	<0.022	U	<0.022	U	<0.023	U	<0.024	U	<0.022	U	<0.022	U	<0.024	U	<0.025	U	<0.024	U	<0.022	U	<0.023	U	<0.026	U	11		<0.022	U	<0.026	U
Benzo(k)fluoranthene	56	110	<0.03	U	<0.031	U	<0.031	U	<0.035	U	<0.03	U	<0.031	U	<0.032	U	<0.033	U	<0.03	U	<0.03	U	<0.032	U	<0.034	U	<0.032	U	<0.03	U	<0.032	U	<0.036	U	6.5		<0.029	U	<0.036	U
Biphenyl			<0.025	U	<0.026	U	<0.026	U	<0.029	U	<0.025	U	<0.025	U	<0.026	U	<0.027	U	<0.025	U	<0.025	U	<0.026	U	<0.028	U	<0.026	U	<0.024	U	<0.026	U	<0.029	U	5.6	J	<0.024	U	<0.029	U
Bis(2-chloroethoxy)methane			<0.019	U	<0.02	U	<0.02	U	<0.022	U	<0.019	U	<0.019	U	<0.02	U	<0.021	U	<0.019	U	<0.019	U	<0.02	U	<0.021	U	<0.02	U	<0.019	U	<0.02	U	<0.022	U	<0.38	U	<0.018	U	<0.022	U
Bis(2-chloroethyl)ether			<0.026	U	<0.027	U	<0.027	U	<0.03	U	<0.026	U	<0.026	U	<0.027	U	<0.028	U	<0.026	U	<0.026	U	<0.027	U	<0.029	U	<0.027	U	<0.025	U	<0.027	U	<0.03	U	<0.51	U	<0.025	U	<0.03	U
Bis(2-chloroisopropyl)ether			<0.032	U	<0.034	U	<0.034	U	<0.038	U	<0.032	U	<0.033	U	<0.034	U	<0.035	U	<0.032	U	<0.032	U	<0.034	U	<0.036	U	<0.034	U	<0.032	U	<0.034	U	<0.038	U	<0.65	U	<0.031	U	<0.038	U
Bis(2-ethylhexyl)phthalate			<0.066	U	<0.068	U	<0.068	U	<0.077	U	<0.066	U	<0.066	U	<0.068	U	<0.071	U	<0.066	U	<0.066	U	<0.07	U	<0.074	U	<0.07	U	<0.065	U	<0.068	U	<0.078	U	<1.3	U	<0.063	U	<0.077	U
Butyl benzyl phthalate			<0.048	U	<0.05	U	<0.05	U	<0.056	U	<0.048	U	<0.048	U	<0.05	U	<0.052	U	<0.048	U	<0.048	U	<0.051	U	<0.054	U	<0.051	U	<0.047	U	<0.05	U	<0.056	U	<0.95	U	<0.046	U	<0.056	U
Caprolactam			<0.058	U	<0.06	U	<0.06	U	<0.067	U	<0.058	U	<0.058	U	<0.06	U	<0.063	U	<0.058	U	<0.058	U	<0.062	U	<0.065	U	<0.061	U	<0.057	U	<0.06	U	<0.068	U	<1.2	U	<0.056	U	<0.068	U
Carbazole			<0.018	U	<0.019	U	<0.019	U	<0.022	U	<0.018	U	<0.019	U	<0.019	U	<0.02	U	<0.018	U	<0.018	U	<0.02	U	<0.021	U	<0.02	U	<0.018	U	<0.019	U	<0.022	U	9.8		<0.018	U	<0.022	U
Chrysene	56	110	<0.02	U	<0.02	U	<0.02	U	<0.023	U	<0.02	U	<0.02	U	<0.02	U	<0.021	U	<0.02	U	<0.02	U	<0.021	U	<0.022	U	<0.021	U	<0.019	U	<0.02	U	<0.023	U	21		<0.019	U	<0.023	U
Di-n-butylphthalate			<0.036	U	<0.037	U	<0.037	U	<0.042	U	<0.036	U	<0.036	U	<0.038	U	<0.039	U	<0.036	U	<0.036	U	<0.038	U	<0.04	U	<0.038	U	<0.035	U	<0.037	U	<0.042	U	<0.72	U	<0.035	U	<0.042	U
Di-n-octylphthalate			<0.064	U	<0.067	U	<0.067	U	<0.075	U	<0.065	U	<0.065	U	<0.067	U	<0.07	U	<0.064	U	<0.064	U	<0.069	U	<0.072	U	<0.068	U	<0.064	U	<0.067	U	<0.076	U	<1.3	U	<0.062	U	<0.076	U
Dibenzo(a,h)anthracene	0.56	1.1	<0.022	U	<0.023	U	<0.023	U	<0.026	U	<0.022	U	<0.022	U	<0.023	U	<0.024	U	<0.022	U	<0.022	U	<0.023	U	<0.025	U	<0.023	U	<0.022	U	<0.023	U	<0.026	U	2.6		<0.021	U	<0.026	U
Dibenzofuran	350	1000	<0.018	U	<0.019	U	<0.019	U	<0.021	U	<0.018	U	<0.018	U	<0.019	U	<0.02	U	<0.018	U	<0.018	U	<0.019	U	<0.02	U	<0.019	U	<0.018	U	<0.019	U	<0.021	U	17		<0.017	U	<0.021	U
Diethyl phthalate			<0.018	U	<0.018	U	<0.018	U	<0.02	U	<0.018	U	<0.018	U	<0.019	U	<0.019	U	<0.018	U	<0.018	U	<0.019	U	<0.02	U	<0.019	U	<0.017	U	<0.018	U	<0.021	U	<0.35	U	<0.017	U	<0.021	U
Dimethyl phthalate			<0.04	U	<0.041	U	<0.041	U	<0.046	U	<0.04	U	<0.04	U	<0.042	U	<0.043	U	<0.04	U	<0.04	U	<0.042	U	<0.045	U	<0.042	U	<0.039	U	<0.041	U	<0.047	U	<0.8	U	<0.038	U	<0.047	U
Fluoranthene	500	1000	<0.022	U	<0.022	U	<0.022	U	<0.025	U	<0.022	U	<0.022	U	<0.023	U	<0.024	U	<0.022	U	<0.022	U	<0.023	U	<0.024	U	<0.023	U	<0.021	U	<0.023	U	<0.026	U	59		<0.021	U	<0.026	U
Fluorene	500	1000	<0.018	U	<0.019	U	<0.019	U	<0.022	U	<0.018	U	<0.019	U	<0.019	U	<0.02	U	<0.018	U	<0.018	U	<0.02	U	<0.021	U	<0.02	U	<0.018	U	<0.019	U	<0.022	U	26		<0.018	U	0.025	J
Hexachlorobenzene	6	12	<0.021	U	<0.022	U	<0.022	U	<0.025	U	<0.021	U	<0.021	U	<0.022	U	<0.023	U	<0.021	U	<0.021	U	<0.023	U	<0.024	U	<0.022	U	<0.021	U	<0.022	U	<0.025	U	<0.42	U	<0.02	U	<0.025	U
Hexachlorobutadiene			<0.028	U	<0.029	U	<0.029	U	<0.032	U	<0.028	U	<0.028	U	<0.029	U	<0.03	U	<0.028	U	<0.028	U	<0.03	U	<0.031	U	<0.03	U	<0.027	U	<0.029	U	<0.033	U	<0.55	U	<0.027	U	<0.033	U
Hexachlorocyclopentadiene			<0.17	U	<0.18	U	<0.18	U	<0.2	U	<0.17	U	<0.17	U	<0.18	U	<0.19	U	<0.17	U	<0.17	U	<0.18	U	<0.19	U	<0.18	U	<0.17	U	<0.18	U	<0.2	U	<3.4	U	<0.17	U	<0.2	U
Hexachloroethane			<0.031	U	<0.032	U	<0.032	U	<0.036	U	<0.031	U	<0.031	U	<0.032	U	<0.033	U	<0.031	U	<0.031	U	<0.033	U	<0.034	U	<0.033	U	<0.03	U	<0.032	U	<0.036	U	<0.61	U	<0.03	U	<0.036	U
Indeno(1,2,3-cd)pyrene	5.6	11	<0.026	U	<0.027	U	<0.027	U	<0.031	U	<0.026	U	<0.027	U	<0.028	U	<0.029	U	<0.026	U	<0.026	U	<0.028	U	<0.03	U	<0.028	U	<0.026	U	<0.027	U	<0.031	U	14		<0.026	U	<0.031	U
Isophorone			<0.025	U	<0.026	U	<0.026	U	<0.029	U	<0.025	U	<0.025	U	<0.026	U	<0.027	U	<0.025	U	<0.025	U	<0.026	U	<0.028	U	<0.026	U	<0.024	U	<0.026	U	<0.029	U	<0.49	U	<0.024	U	<0.029	U
n-Nitrosodi-n-propylamine			<0.029	U	<0.03	U	<0.03	U	<0.034	U	<0.029	U	<0.03	U	<0.03	U	<0.032	U	<0.029	U	<0.029	U	<0.031	U	<0.033	U	<0.031	U	<0.029	U	<0.03	U	<0.035	U	<0.58	U	<0.028	U	<0.034	U
Naphthalene	500	1000	<0.023	U	<0.024	U	<0.024	U	<0.027	U	<0.023	U	<0.023	U	<0.024	U	<0.025	U	0.051	J	<0.023	U	<0.025	U	0.11	J	<0.024	U	<0.023	U	<0.024	U	0.094	J	290		<0.022	U	0.25	
NDPA/DPA			<0.022	U	<0.022	U	<0.022	U	<0.025	U	<0.022	U	<0.022	U	<0.022	U	<0.023	U	<0.022	U	<0.022	U	<0.023	U	<0.024	U	<0.023	U	<0.021	U	<0.022	U	<0.026	U	<0.43	U	<0.021	U	<0.025	U
Nitrobenzene			<0.028	U	<0.029	U	<0.029	U	<0.033	U	<0.028	U	<0.028	U	<0.029	U	<0.03	U	<0.028	U	<0.028	U	<0.03	U	<0.032	U	<0.03	U	<0.028	U	<0.029	U	<0.033	U	<0.56	U	<0.027	U	<0.033	U
p-Chloro-m-cresol			<0.028	U	<0.029	U	<0.029	U	<0.033	U	<0.028	U	<0.028	U	<0.029	U	<0.031	U	<0.028	U	<0.028	U	<0.03	U	<0.032	U	<0.03	U	<0.028	U	<0.029	U	<0.033	U	<0.56	U	<0.027	U	<0.033	U
Pentachlorophenol	6.7	55	<0.042	U	<0.043	U	<0.043	U	<0.049	U	<0.042	U	<0.042	U	<0.044	U	<0.045	U	<0.042	U	<0.042	U	<0.044	U	<0.047	U	<0.044	U	<0.041	U	<0.043	U	<0.049	U	<0.83	U	<0.04	U	<0.049	U
Phenanthrene	500	1000	<0.023	U	<0.024	U	<0.024	U	<0.027	U	<0.023	U	<0.023	U	<0.024	U	<0.025	U	<0.023	U	<0.023	U	<0.025	U	<0.026	U	<0.024	U	<0.023	U	<0.024	U	<0.027	U	80		<0.022	U	0.053	J
Phenol	500	1000	<0.029	U	<0.03	U	<0.03	U	<0.033	U	<0.029	U	<0.029	U	<0.03	U	<0.031	U	<0.029	U	<0.029	U	<0.03	U	<0.032	U	<0.03	U	<0.028	U	<0.03	U	<0.034	U	<0.57	U	<0.028	U	0.048	J
Pyrene	500	1000	<0.019	U	<0.02	U	<0.02	U	<0.022	U	<0.019	U	<0.019	U	<0.02	U	<0.02	U	<0.019	U	<0.019	U	<0.02	U	<0.021	U	<0.02	U	<0.018	U	<0.02	U	<0.022	U	41		<0.018	U	<0.022	U

ANALYTE	SAMPLE ID:	SB-BCP-01-8TO10-05152023		SB-BCP-01-12TO14-05152023		SB-BCP-01-18TO20-05152023		SB-BCP-01-22TO24-05152023		SB-BCP-02-4TO6-05152023		SB-BCP-02-10TO12-05152023		SB-BCP-02-14TO16-05152023		SB-BCP-02-20TO22-05152023		SB-BCP-03-8TO10-05162023		SB-BCP-03-12TO14-05162023		SB-BCP-03-20TO22-05162023		SB-BCP-03-24TO26-05162023		SB-BCP-04-2TO4-05162023		SB-BCP-04-8TO10-05162023		SB-BCP-04-14TO16-05162023		SB-BCP-04-20TO22-05162023		SB-BCP-05-8TO10-05172023		SB-BCP-05-38TO40-05172023		SB-BCP-07-24TO26-05172023	
	LAB ID:	L2327220-01		L2327220-02		L2327220-03		L2327220-04		L2327220-05		L2327220-06		L2327220-07		L2327220-08		L2327169-01		L2327169-02		L2327169-03		L2327169-04		L2327169-05		L2327169-06		L2327169-07		L2327169-08		L2327907-01		L2327907-02		L2327907-03	
	COLLECTION DATE:	5/15/2023		5/15/2023		5/15/2023		5/15/2023		5/15/2023		5/15/2023		5/15/2023		5/15/2023		5/16/2023		5/16/2023		5/16/2023		5/16/2023		5/16/2023		5/16/2023		5/16/2023		5/17/2023		5/17/2023		5/17/2023	
	SAMPLE DEPTH (FT BGS):	8 - 10		12 - 14		18 - 20		22 - 24		4 - 6		10 - 12		14 - 16		20 - 22		8 - 10		12 - 14		20 - 22		24 - 26		2 - 4		8 - 10		14 - 16		20 - 22		8 - 10		38 - 40		24 - 26	
	SAMPLE MATRIX:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Part 375 SCO Commercial	Part 375 SCO Industrial	SOIL BORING 1 - CLAY BORROW EVALUATION PARKING LOT							SOIL BORING 2 - CLAY BORROW EVALUATION PARKING LOT								SOIL BORING 3 - CLAY BORROW EVALUATION PARKING LOT								SOIL BORING 4 - CLAY BORROW EVALUATION PARKING LOT								SOIL BORING 5 - SECONDARY COOLER SUMP INVESTIGATION (OUTSIDE SUMP)				SOIL BORING 7 - WESTERN SUMP	
TOTAL METALS	mg/kg	mg/kg																																			
Aluminum, Total			8880		7990		9380		16000	9770		8920		8610		11400		7130		9900		10300		12100		11600		9120		5680		9930		10200		5300		14700	
Antimony, Total			<0.335	U	<0.348	U	<0.356	U	<0.402	U	<0.335	U	<0.343	U	<0.352	U	<0.384	U	<0.343	U	<0.33	U	<0.354	U	<0.388	U	<0.367	U	<0.344	U	0.36	J	0.428	J	1.86	J	0.56	J	1.16	J
Arsenic, Total	16	16	4.43		3.88		3.06		7.33	4.74		4.39		5.74		4.02		3.24		4.73		9.27		3.62		4.19		5.28		4.03		3.1		5.2		2.92		3.23	
Barium, Total	400	10000	122		47.6		82		120	88.1		110		68.8		101		56.8		135		55.4		67.9		61.4		65.8		38.5		87.8		99		72.9		75.3	
Beryllium, Total	590	2700	0.329	J	0.298	J	0.324	J	0.595	0.377	J	0.326	J	0.321	J	0.398	J	0.274	J	0.346	J	0.337	J	0.376	J	0.487		0.325	J	0.326	J	0.503	J	0.557		0.294	J	0.786	
Cadmium, Total	9.3	60	0.166	J	0.122	J	0.422	J	0.172	J	0.167	J	0.172	J	0.166	J	0.156	J	0.193	J	0.23	J	0.217	J	0.185	J	0.191	J	0.194	J	0.137	J	0.189	J	0.212	J	0.199	J	0.166	J
Calcium, Total			58500		52100		47900		43400	46700		46700		42200		41300		37900		47400		47200		40000		3050		48300		68100		48400		59100		74600		32200	
Chromium, Total			14.4		13.9		15.6		24.2	15.6		14.5		13.8		17.6		12		15.4		16		18.7		15.8		14		10.7		16.8		17.1		8.89		23.8	
Cobalt, Total			8.8		7.88		9.5		13.8	8.8		9.13		12		10.7		8.02		11.6		11.8		11.4		11.2		8.97		5.2		9.28		10.9		4.89		13.1	
Copper, Total	270	10000	17		14.3		16.9		22.3	19.4		18		16.9		20.1		15		18.2		14.9		19.6		5.94		16.5		10.8		17.2		19.3		15.9		22.6	
Iron, Total			19300		17000		20300		29800	20300		19800		19700		24100		14900		20700		21900		22300		22200		20000		13600		22000		22300		11900		27900	
Lead, Total	1000	3900	9.34		7.81		7.79		10.2	8.21		8.07		8.36		8.42		7.7		9.96		7.8		8.54		13.2		8.92		7.01		9.57		11.4		11.7		10.9	
Magnesium, Total			14900		21000		15000		12600	14900		13900		12800		13100		11200		14700		14200		11500		2800		14700		32400		14800		19500		32100		14100	
Manganese, Total	10000	10000	499		452		497		500	416		473		553		493		404		582		624		445		218		456		614		518		516		387		428	
Mercury, Total	2.8	5.7	<0.058	U	<0.064	U	<0.055	U	<0.062	U	<0.056	U	<0.053	U	<0.053	U	<0.057	U	<0.049	U	<0.06	U	<0.06	U	<0.06	U	<0.061	U	<0.048	U	<0.052	U	<0.066	U	<0.048	U	<0.046	U	<0.055	U
Nickel, Total	310	10000	19.1		17.4		21.3		30.7	19.8		19.9		20.8		23.9		17.3		22.9		23.6		24.4		12.1		20.4		12.9		22		23.3		10.8		30.4	
Potassium, Total			1210		1090		1380		2460	1120		1080		1090		1600		900		1280		1400		1810		542		1240		832		1320		1380		1060		2100	
Selenium, Total	1500	6800	<0.228	U	<0.236	U	<0.242	U	<0.273	U	<0.228	U	<0.233	U	<0.239	U	<0.26	U	<0.233	U	<0.224	U	<0.24	U	<0.264	U	0.718	J	<0.234	U	<0.243	U	0.367	J	<0.226	U	<0.216	U	<0.265	U
Silver, Total	1500	6800	<0.25	U	<0.259	U	<0.265	U	<0.299	U	<0.25	U	<0.256	U	<0.262	U	<0.286	U	<0.255	U	<0.245	U	<0.264	U	<0.289	U	<0.273	U	<0.256	U	<0.266	U	<0.301	U	<0.248	U	0.265	J	<0.291	U
Sodium, Total			142	J	126	J	151	J	200	J	122	J	124	J	131	J	167	J	112	J	161	J	143	J	176	J	202	J	82	J	154	J	143	J	152	J	194		161	J	225	
Thallium, Total			<0.278	U	<0.288	U	<0.295	U	<0.333	U	<0.278	U	<0.285	U	<0.292	U	<0.318	U	<0.284	U	<0.273	U	<0.294	U	<0.322	U	<0.304	U	<0.285	U	0.696	J	0.79	J	0.7	J	0.479	J	0.763	J
Vanadium, Total			19.6		16.4		20.4		30.2	20.3		19.6		19.1		23.3		15.6		21.4		20.7		24.3		25.2		19.9		13.1		23.5		22.3		12.5		28.9	
Zinc, Total	10000	10000	56.2		51.2		116		67.3	60.3		58.7		53.7		57		45.9		60.8		59.7		56.7		43.2		53.6		31.6		57.5		60		54.5		66.4	
PERFLUORINATED ALKYL ACIDS BY EPA 1633	ug/kg	ug/kg																																					
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)			<0.000165	U	-		-		-	<0.000166	U	-		-		-		<0.000167	U	-		-		-		<0.000166	U	-		-		-		-		-		-	
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)			<0.000382	U	-		-		-	<0.000384	U	-		-		-		<0.000387	U	-		-		-		<0.000384	U	-		-		-		-		-		-	
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)			<0.00008	U	-		-		-	<0.00008	U	-		-		-		<0.000081	U	-		-		-		<0.00008	U	-		-		-		-		-		-	
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)			<0.000276	U	-		-		-	<0.000278	U	-		-		-		<0.00028	U	-		-		-		<0.000278	U	-		-		-		-		-		-	
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)			<0.000498	U	-		-		-	<0.0005	U	-		-		-		<0.000504	U	-		-		-		<0.000501	U	-		-		-		-		-		-	
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)			<0.00174	U	-		-		-	<0.00174	U	-		-		-		<0.00176	U	-		-		-		<0.00175	U	-		-		-		-		-		-	
3-Perfluoropropyl Propanoic Acid (3:3FTCA)			<0.000142	U	-		-		-	<0.000143	U	-		-		-		<0.000144	U	-		-		-		<0.000143	U	-		-		-		-		-		-	
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)			<0.000144	U	-		-		-	<0.000145	U	-		-		-		<0.000146	U	-		-		-		<0.000145	U	-		-		-		-		-		-	
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)			<0.000194	U	-		-		-	<0.000194	U	-		-		-		<0.000196	U	-		-		-		<0.000195	U	-		-		-		-		-		-	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)			<0.000097	U	-		-		-	<0.000098	U	-		-		-		<0.000098	U	-		-		-		<0.000098	U	-		-		-		-		-		-	
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)			<0.000111	U	-		-		-	<0.000111	U	-		-		-		<0.000112	U	-		-		-		<0.000111	U	-		-		-		-		-		-	
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)			<0.000504	U	-		-		-	<0.000506	U	-		-		-		<0.00051	U	-		-		-		<0.000507	U	-		-		-		-		-		-	
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)			<0.000081	U	-		-		-	<0.000082	U	-		-		-		<0.000082	U	-		-		-		<0.000082	U	-		-		-		-		-		-	
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)			<0.000099	U	-		-		-	<0.000099	U	-		-		-		<0.0001	U	-		-		-		<0.000099	U	-		-		-		-		-		-	
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)			<0.000247	U	-		-		-	<0.000248	U	-		-		-		<0.00025	U	-		-		-		<0.000249	U	-		-		-		-		-		-	
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)			<0.000099	U	-		-		-	<0.000099	U	-		-		-		<0.0001	U	-		-		-		<0.000099	U	-		-		-		-		-		-	
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)			<0.000094	U	-		-		-	<0.000094	U	-		-		-		<0.000095	U	-		-		-		<0.000095	U	-		-		-		-		-		-	
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)			<0.000082	U	-		-		-	<0.000082	U	-		-		-		<0.000083	U	-		-		-		<0.000083	U	-		-		-		-		-		-	
Perfluoro-3-Methoxypropanoic Acid (PFMPA)			<0.00004	U	-		-		-	<0.00004	U	-		-		-		<0.000041	U	-		-		-		<0.000041	U	-		-		-		-		-		-	
Perfluoro-4-Methoxybutanoic Acid (PFMBA)			<0.000031	U	-		-		-	<0.000031	U	-		-		-		<0.000031	U	-		-		-		<0.000031	U	-		-		-		-		-		-	
Perfluorobutanesulfonic Acid (PFBS)			<0.000043	U	-		-		-	<0.000043	U	-		-		-		<0.000043	U	-		-		-		<0.000043	U	-		-		-		-		-		-	
Perfluorobutanoic Acid (PFBA)			0.000126	J	-		-		-	0.000166	J	-		-		-		<0.00005	U	-		-		-		0.000222	J	-		-		-		-		-		-	
Perfluorodecanesulfonic Acid (PFDS)			<0.000032	U	-		-		-	<0.000032	U	-		-		-		<0.000032	U	-		-		-		<0.000032	U	-		-		-		-		-		-	
Perfluorodecanoic Acid (PFDA)			<0.000074	U	-		-		-	<0.000075	U	-		-		-		<0.000075	U	-		-		-		<0.000075	U	-		-		-		-		-		-	
Perfluorododecanesulfonic Acid (PFDoS)			<0.000038	U	-		-		-	<0.000038	U	-		-		-		<0.000038	U	-		-		-		<0.000038	U	-		-		-		-		-		-	
Perfluorododecanoic Acid (PFDoA)			<0.00004	U	-		-		-	<0.00004	U	-		-		-		<0.000041	U	-		-		-		<0.000041	U	-		-		-		-		-		-	
Perfluoroheptanesulfonic Acid (PFHpS)			<0.000036	U	-		-		-	<0.000037	U	-		-		-		<0.000037	U	-		-		-		<0.000037	U	-		-		-		-		-		-	
Perfluoroheptanoic Acid (PFHpA)			<0.000023	U	-		-		-	<0.000023	U	-		-		-		<0.000023	U	-		-		-		<0.000023	U	-		-		-		-		-		-	
Perfluorohexanesulfonic Acid (PFHxS)			<0.000059	U	-		-		-	<0.000059	U	-		-		-		<0.000059	U	-		-		-		<0.000059	U	-		-		-		-		-		-	
Perfluorohexanoic Acid (PFHxA)			<0.000046	U	-		-		-	<0.000046	U	-		-		-		<0.000046	U	-		-		-		<0.000046	U	-		-		-		-		-		-	
Perfluorononanesulfonic Acid (PFNS)			<0.000042	U	-		-		-	<0.000042	U	-		-		-		<0.000042	U	-		-		-		<0.000042	U	-		-		-		-		-		-	
Perfluorononanoic Acid (PFNA)			<0.000077	U	-		-		-	<0.000078	U	-		-		-		<0.000078	U	-		-		-		<0.000078	U	-		-		-		-		-		-	
Perfluorooctanesulfonamide (PFOSA)			<0.000043	U	-		-		-	<0.000043	U	-		-		-		<0.000043	U	-		-		-		<0.000043	U	-		-		-		-		-		-	
Perfluorooctanesulfonic Acid (PFOS)			<0.000078	U	-		-		-	<0.000079	U	-		-		-		<0.000079	U	-		-		-		<0.000079	U	-		-		-		-		-		-	
Perfluorooctanoic Acid (PFOA)			0.000055	J	-		-		-	<0.000052	U	-		-		-		<0.000052	U	-		-		-		<0.000052	U	-		-		-		-		-		-	
Perfluoropentanesulfonic Acid (PFPeS)			<0.000023	U	-		-		-	<0.000023	U	-		-		-		<0.000023	U	-		-		-		<0.000023	U	-		-		-		-		-		-	
Perfluoropentanoic Acid (PFPeA)			<0.000055	U	-		-		-	<0.000056	U	-		-		-		<0.000056	U	-		-		-		<0.000056	U	-		-		-		-		-		-	
Perfluorotetradecanoic Acid (PFTeDA)			<0.000105	U	-		-		-	<0.000105	U	-		-		-		<0.000106	U	-		-		-		<0.000106	U	-		-		-		-		-		-	
Perfluorotridecanoic Acid (PFTrDA)			<0.000052	U	-		-		-	<0.000052	U	-		-		-		<0.000053	U	-		-		-		<0.000052	U	-		-		-		-		-		-	
Perfluoroundecanoic Acid (PFUnA)			<0.000051	U	-		-		-	<0.000051	U	-		-		-		<0.000051	U	-		-		-		<0.000051	U	-		-		-		-		-		-	
CHLORINATED HERBICIDES BY GC	mg/kg	mg/kg																																					
2,4,5-T			<0.00591	U	<0.00596	U	<0.00615	U	<0.00681	U	<0.00595	U	<0.00592	U	<0.00612	U	<0.00642	U	<0.00593	U	<0.00583	U	<0.00626	U	<0.00666	U	<0.00613	U	<0.00581	U	<0.00601	U	<0.00699	U	-	-	-	-	-	-
2,4,5-TP (Silvex)	500	1000	<0.00507	U	<0.00512	U	<0.00528	U	<0.00585	U	<0.0051	U	<0.00508	U	<0.00525	U	<0.00551	U	<0.00508	U	<0.005	U	<0.00538	U	<0.00571	U	<0.00526	U	<0.00499	U	<0.00516	U	<0.006	U	-	-	-	-	-	-
2,4-D			<0.012	U	<0.0121	U	<0.0125	U	<0.0138	U	<0.0121	U	<0.012	U	<0.0124	U	<0.013	U	<0.012	U	<0.0118	U	<0.0127	U	<0.0135	U	<0.0124	U	<0.0118	U	<0.0122	U	<0.0142	U	-	-	-	-	-	-
2,4-DB			<0.0098	U	<0.00989	U	<0.0102	U	<0.0113	U	<0.00987	U	<0.00982	U	<0.0101	U	<0.0106	U	<0.00983	U	<0.00966	U	<0.0104	U	<0.011	U	<0.0102	U	<0.00963	U	<0.00996	U	<0.0116	U	-	-	-	-	-	-
Dalapon			<0.0125	U	<0.0126	U	<0.013	U	<0.0144	U	<0.0126	U	<0.0125	U	<0.0129	U	<0.0136	U	<0.0125	U	<0.0123	U	<0.0132	U	<0.014	U	<0.0129	U	<0.0122	U	<0.0127	U	<0.0147	U	-	-	-	-	-	-
Dicamba			<0.0064	U	<0.00646	U	<0.00666	U	<0.00738	U	<0.00645	U	<0.00642	U	<0.00664	U	<0.00696	U	<0.00642	U	<0.00632	U	<0.00679	U	<0.00721	U	<0.00664	U	<0.0063	U	<0.00651	U	<0.00758	U	-	-	-	-	-	-
Dichloroprop			<0.0109	U	<0.011	U	<0.0114	U	<0.0126	U	<0.011	U	<0.011	U	<0.0113	U	<0.0119	U	<0.011	U	<0.0108	U	<0.0116	U	<0.0123	U	<0.0113	U	<0.0108	U	<0.0111	U	<0.0129	U	-	-	-	-	-	-
MCPA			<1.08	U	<1.09	U	<1.12	U	<1.24	U	<1.09	U	<1.08	U	<1.12	U	<1.17	U	<1.08	U	<1.06	U	<1.14	U	<1.22	U	<1.12	U	<1.06	U	<1.1	U	<1.28	U	-	-	-	-	-	-
MCPP			<1.2	U	<1.21	U	<1.25	U	<1.38	U	<1.21	U	<1.2	U	<1.24	U	<1.3	U	<1.2	U	<1.18	U	<1.27	U	<1.35	U	<1.24	U	<1.18	U	<1.22	U	<1.42	U	-	-	-	-	-	-

ANALYTE	SAMPLE ID:	SB-BCP-01-8TO10-05152023		SB-BCP-01-12TO14-05152023		SB-BCP-01-18TO20-05152023		SB-BCP-01-22TO24-05152023		SB-BCP-02-4TO6-05152023		SB-BCP-02-10TO12-05152023		SB-BCP-02-14TO16-05152023		SB-BCP-02-20TO22-05152023		SB-BCP-03-8TO10-05162023		SB-BCP-03-12TO14-05162023		SB-BCP-03-20TO22-05162023		SB-BCP-03-24TO26-05162023		SB-BCP-04-2TO4-05162023		SB-BCP-04-8TO10-05162023		SB-BCP-04-14TO16-05162023		SB-BCP-04-20TO22-05162023		SB-BCP-05-8TO10-05172023		SB-BCP-05-38TO40-05172023		SB-BCP-07-24TO26-05172023	
	LAB ID:	L2327220-01		L2327220-02		L2327220-03		L2327220-04		L2327220-05		L2327220-06		L2327220-07		L2327220-08		L2327169-01		L2327169-02		L2327169-03		L2327169-04		L2327169-05		L2327169-06		L2327169-07		L2327169-08		L2327907-01		L2327907-02		L2327907-03	
	COLLECTION DATE:	5/15/2023		5/15/2023		5/15/2023		5/15/2023		5/15/2023		5/15/2023		5/15/2023		5/15/2023		5/16/2023		5/16/2023		5/16/2023		5/16/2023		5/16/2023		5/16/2023		5/16/2023		5/17/2023		5/17/2023		5/17/2023	
	SAMPLE DEPTH (FT BGS):	8 - 10		12 - 14		18 - 20		22 - 24		4 - 6		10 - 12		14 - 16		20 - 22		8 - 10		12 - 14		20 - 22		24 - 26		2 - 4		8 - 10		14 - 16		20 - 22		8 - 10		38 - 40		24 - 26	
	SAMPLE MATRIX:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Part 375 SCO Commercial	Part 375 SCO Industrial	SOIL BORING 1 - CLAY BORROW EVALUATION PARKING LOT								SOIL BORING 2 - CLAY BORROW EVALUATION PARKING LOT								SOIL BORING 3 - CLAY BORROW EVALUATION PARKING LOT								SOIL BORING 4 - CLAY BORROW EVALUATION PARKING LOT								SOIL BORING 5 - SECONDARY COOLER SUMP INVESTIGATION (OUTSIDE SUMP)				SOIL BORING 7 - WESTERN SUMP	
ORGANOCHLORINE PESTICIDES BY GC	mg/kg	mg/kg																																				
4,4'-DDD	92	180	<0.000651	U	<0.000665	U	<0.000655	U	<0.000756	U	<0.000648	U	<0.000647	U	<0.000667	U	<0.000711	U	<0.000648	U	<0.000634	U	<0.000672	U	<0.000717	U	<0.000679	U	<0.000643	U	<0.000664	U	<0.000758	U	-	-	-	-	-	-
4,4'-DDE	62	120	<0.000422	U	<0.000431	U	<0.000424	U	<0.00049	U	<0.00042	U	<0.000419	U	<0.000432	U	<0.000461	U	<0.00042	U	<0.000411	U	<0.000436	U	<0.000465	U	<0.00044	U	<0.000417	U	<0.00043	U	<0.000492	U	-	-	-	-	-	-
4,4'-DDT	47	94	<0.00147	U	<0.0015	U	<0.00148	U	<0.0017	U	<0.00146	U	<0.00146	U	<0.0015	U	<0.0016	U	<0.00146	U	<0.00143	U	<0.00152	U	<0.00162	U	<0.00153	U	<0.00145	U	<0.0015	U	<0.00171	U	-	-	-	-	-	-
Aldrin	0.68	1.4	<0.000642	U	<0.000657	U	<0.000646	U	<0.000747	U	<0.00064	U	<0.000638	U	<0.000658	U	<0.000702	U	<0.00064	U	<0.000626	U	<0.000664	U	<0.000708	U	<0.000671	U	<0.000635	U	<0.000655	U	<0.000749	U	-	-	-	-	-	-
Alpha-BHC	3.4	6.8	<0.000216	U	<0.000221	U	<0.000217	U	<0.000251	U	<0.000215	U	<0.000215	U	<0.000221	U	<0.000236	U	<0.000215	U	<0.00021	U	<0.000223	U	<0.000238	U	<0.000225	U	<0.000213	U	<0.00022	U	<0.000252	U	-	-	-	-	-	-
Beta-BHC	3	14	<0.000692	U	<0.000707	U	<0.000696	U	<0.000804	U	<0.000689	U	<0.000688	U	<0.000709	U	<0.000756	U	<0.00069	U	<0.000674	U	<0.000715	U	<0.000762	U	<0.000722	U	<0.000683	U	<0.000706	U	<0.000806	U	-	-	-	-	-	-
Chlordane			<0.00604	U	<0.00618	U	<0.00608	U	<0.00702	U	<0.00602	U	<0.00601	U	<0.00619	U	<0.0661	U	<0.00602	U	<0.00589	U	<0.00624	U	<0.00666	U	<0.00631	U	<0.00597	U	<0.00616	U	<0.00704	U	-	-	-	-	-	-
cis-Chlordane	24	47	<0.000636	U	<0.00065	U	<0.000639	U	<0.000739	U	<0.000633	U	<0.000632	U	<0.000651	U	<0.000695	U	<0.000633	U	<0.000619	U	<0.000657	U	<0.0007	U	<0.000664	U	<0.000628	U	<0.000648	U	<0.000741	U	-	-	-	-	-	-
Delta-BHC	500	1000	<0.000357	U	<0.000365	U	<0.000359	U	<0.000415	U	<0.000356	U	<0.000355	U	<0.000366	U	<0.00039	U	<0.000356	U	<0.000348	U	<0.000369	U	<0.000394	U	<0.000373	U	<0.000353	U	<0.000364	U	<0.000416	U	-	-	-	-	-	-
Dieldrin	1.4	2.8	<0.00057	U	<0.000583	U	<0.000574	U	<0.000663	U	<0.000568	U	<0.000567	U	<0.000584	U	<0.000623	U	<0.000568	U	<0.000556	U	<0.000589	U	<0.000628	U	<0.000595	U	<0.000563	U	<0.000582	U	<0.000664	U	-	-	-	-	-	-
Endosulfan I	200	920	<0.000431	U	<0.000441	U	<0.000434	U	<0.000501	U	<0.000429	U	<0.000428	U	<0.000442	U	<0.000471	U	<0.00043	U	<0.00042	U	<0.000445	U	<0.000475	U	<0.00045	U	<0.000426	U	<0.00044	U	<0.000502	U	-	-	-	-	-	-
Endosulfan II	200	920	<0.00061	U	<0.000624	U	<0.000613	U	<0.000709	U	<0.000607	U	<0.000606	U	<0.000625	U	<0.000666	U	<0.000608	U	<0.000594	U	<0.00063	U	<0.000672	U	<0.000636	U	<0.000602	U	<0.000622	U	<0.000711	U	-	-	-	-	-	-
Endosulfan sulfate	200	920	<0.000362	U	<0.00037	U	<0.000364	U	<0.000421	U	<0.00036	U	<0.00036	U	<0.000371	U	<0.000396	U	<0.000361	U	<0.000352	U	<0.000374	U	<0.000399	U	<0.000378	U	<0.000357	U	<0.000369	U	<0.000422	U	-	-	-	-	-	-
Endrin	89	410	<0.000312	U	<0.000319	U	<0.000314	U	<0.000362	U	<0.00031	U	<0.00031	U	<0.000319	U	<0.000341	U	<0.000311	U	<0.000304	U	<0.000322	U	<0.000343	U	<0.000325	U	<0.000308	U	<0.000318	U	<0.000363	U	-	-	-	-	-	-
Endrin aldehyde			<0.000798	U	<0.000816	U	<0.000803	U	<0.000928	U	<0.000795	U	<0.000794	U	<0.000818	U	<0.000872	U	<0.000796	U	<0.000778	U	<0.000825	U	<0.00088	U	<0.000833	U	<0.000788	U	<0.000814	U	<0.00093	U	-	-	-	-	-	-
Endrin ketone			<0.00047	U	<0.00048	U	<0.000473	U	<0.000546	U	<0.000468	U	<0.000467	U	<0.000482	U	<0.00051	U	<0.000468	U	<0.000458	U	<0.000485	U	<0.000518	U	<0.00049	U	<0.000464	U	<0.000479	U	<0.000548	U	-	-	-	-	-	-
Heptachlor	15	29	<0.000409	U	<0.000418	U	<0.000411	U	<0.000475	U	<0.000407	U	<0.000406	U	<0.000419	U	<0.000447	U	<0.000408	U	<0.000398	U	<0.000422	U	<0.000451	U	<0.000427	U	<0.000404	U	<0.000417	U	<0.000477	U	-	-	-	-	-	-
Heptachlor epoxide			<0.00103	U	<0.00105	U	<0.00103	U	<0.00119	U	<0.00102	U	<0.00102	U	<0.00105	U	<0.00112	U	<0.00102	U	<0.001	U	<0.00106	U	<0.00113	U	<0.00107	U	<0.00101	U	<0.00105	U	<0.0012	U	-	-	-	-	-	-
Lindane	9.2	23	<0.00034	U	<0.000348	U	<0.000342	U	<0.000395	U	<0.000338	U	<0.000338	U	<0.000348	U	<0.000371	U	<0.000339	U	<0.000331	U	<0.000351	U	<0.000374	U	<0.000355	U	<0.000336	U	<0.000347	U	<0.000396	U	-	-	-	-	-	-
Methoxychlor			<0.00106	U	<0.00109	U	<0.00107	U	<0.00124	U	<0.00106	U	<0.00106	U	<0.00109	U	<0.00116	U	<0.00106	U	<0.00104	U	<0.0011	U	<0.00117	U	<0.00111	U	<0.00105	U	<0.00108	U	<0.00124	U	-	-	-	-	-	-
Toxaphene			<0.00958	U	<0.0098	U	<0.00964	U	<0.0111	U	<0.00954	U	<0.00952	U	<0.00982	U	<0.0105	U	<0.00955	U	<0.00933	U	<0.0099	U	<0.0106	U	<0.01	U	<0.00946	U	<0.00977	U	<0.0112	U	-	-	-	-	-	-
trans-Chlordane			<0.000602	U	<0.000616	U	<0.000606	U	<0.0007	U	<0.000599	U	<0.000598	U	<0.000617	U	<0.000658	U	<0.0006	U	<0.000587	U	<0.000622	U	<0.000663	U	<0.000629	U	<0.000595	U	<0.000614	U	<0.000702	U	-	-	-	-	-	-
POLYCHLORINATED BIPHENYLS BY GC	mg/kg	mg/kg																																				
Aroclor 1016	1	25	<0.00506	U	<0.00486	U	<0.00529	U	<0.00591	U	<0.00474	U	<0.00476	U	<0.00524	U	<0.00533	U	<0.00489	U	<0.00509	U	<0.00519	U	<0.00546	U	<0.00521	U	<0.00467	U	<0.00518	U	<0.00585	U	<0.00509	U	<0.00472	U	<0.00577	U
Aroclor 1221	1	25	<0.00571	U	<0.00549	U	<0.00597	U	<0.00667	U	<0.00535	U	<0.00537	U	<0.00591	U	<0.00602	U	<0.00552	U	<0.00575	U	<0.00585	U	<0.00616	U	<0.00588	U	<0.00527	U	<0.00584	U	<0.0066	U	<0.00574	U	<0.00533	U	<0.00651	U
Aroclor 1232	1	25	<0.0121	U	<0.0116	U	<0.0126	U	<0.0141	U	<0.0113	U	<0.0114	U	<0.0125	U	<0.0127	U	<0.0117	U	<0.0122	U	<0.0124	U	<0.013	U	<0.0124	U	<0.0111	U	<0.0124	U	<0.014	U	<0.0122	U	<0.0113	U	<0.0138	U
Aroclor 1242	1	25	<0.00768	U	<0.00738	U	<0.00803	U	<0.00898	U	<0.0072	U	<0.00722	U	<0.00795	U	<0.00809	U	<0.00743	U	<0.00773	U	<0.00787	U	<0.00829	U	<0.0079	U	<0.00708	U	<0.00786	U	<0.00889	U	<0.00773	U	<0.00717	U	<0.00875	U
Aroclor 1248	1	25	<0.00855	U	<0.00821	U	<0.00894	U	<0.00999	U	<0.00801	U	<0.00803	U	<0.00884	U	<0.00901	U	<0.00826	U	<0.0086	U	<0.00876	U	<0.00923	U	<0.0088	U	<0.00788	U	<0.00875	U	<0.00989	U	<0.0086	U	<0.00798	U	<0.00974	U
Aroclor 1254	1	25	<0.00624	U	<0.00599	U	<0.00652	U	<0.00728	U	<0.00584	U	<0.00586	U	<0.00645	U	<0.00657	U	<0.00603	U	<0.00627	U	<0.00639	U	<0.00673	U	<0.00641	U	<0.00575	U	<0.00638	U	<0.00721	U	<0.00627	U	<0.00582	U	<0.0071	U
Aroclor 1260	1	25	<0.0105	U	<0.0101	U	<0.011	U	<0.0123	U	<0.00987	U	<0.0099	U	<0.0109	U	<0.0111	U	<0.0102	U	<0.0106	U	<0.0108	U	<0.0114	U	<0.0108	U	<0.00971	U	<0.0108	U	<0.0122	U	<0.0106	U	<0.00983	U	<0.012	U
Aroclor 1262	1	25	<0.00724	U	<0.00695	U	<0.00756	U	<0.00846	U	<0.00678	U	<0.0068	U	<0.00749	U	<0.00763	U	<0.007	U	<0.00728	U	<0.00742	U	<0.00781	U	<0.00745	U	<0.00667	U	<0.0074	U	<0.00837	U	<0.00728	U	<0.00676	U	<0.00825	U
Aroclor 1268	1	25	<0.00591	U	<0.00567	U	<0.00617	U	<0.0069	U	<0.00553	U	<0.00555	U	<0.00611	U	<0.00622	U	<0.00571	U	<0.00594	U	<0.00605	U	<0.00637	U	<0.00607	U	<0.00544	U	<0.00604	U	<0.00683	U	<0.00594	U	<0.00551	U	<0.00673	U
GENERAL CHEMISTRY	mg/kg	mg/kg																																				
Cyanide, Total	27	10000	-		-		-		-		-		-		-		-		-		-		-		-		-		-		-		<0.24	U	<0.23	U	<0.28	U
Nitrogen, Ammonia			-		-		-		-		-		-		-		-		-		-		-		-		-		-		-		<2.2	U	-		2.8	J
Solids, Total			86.4		84.4		83.6		74.2		85.8		86.6		82.8		78.7		86.6		87.1		81.3		75.8		81.6		86.8		83.9		72.3		86.2		89.5		74.6	

* 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:
U - Not detected at the reported detection limit for the sample.
J - Presumptive evidence of compound.
Bold - Compound is detected
Red Highlight - Exceeds NYS Part 375 Industrical SCOs
Green Highlight - Exceeds NYS Part 375 Commercial SCOs

Table 2D
Pre-Design Investigation Work Plan - Groundwater Sampling
Monitoring Well Sampling
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE	SAMPLE ID	MW-BCP-01B-05252023	MW-BCP-02A-05252023	MW-BCP-03A-05252023	MW-BCP-04A-05252023	MW-BCP-05A-05252023	MW-BCP-05C-05252023	MW-BCP-06A-05252023	MW-BCP-08A-05252023	MW-BCP-10A-05262023	MW-BCP-10C-05262023	MW-BCP-12A-05262023	MW-BCP-13A-05262023	MW-BCP-13B-05262023	MW-BCP-16A-05262023	MW-BCP-17A-05262023	MW-BCP-17B-05262023	MW-BCP-19A-05262023	MW-BCP-19B-05262023	MW-BCP-21A-05262023	MW-BCP-23A-05262023	MW-BCP-27A-05262023	MW-BCP-99A-05262023	TRIP BLANK
	LAB ID:	L2329835-09	L2329835-21	L2329835-10	L2329835-22	L2329835-11	L2329835-12	L2329835-13	L2329835-14	L2329835-15	L2329835-16	L2329835-17	L2329835-18	L2329835-19	L2329835-20	L2329835-01	L2329835-02	L2329835-03	L2329835-04	L2329835-05	L2329835-06	L2329835-07	L2329835-08	L2329835-23
	COLLECTION DATE:	5/25/2023	5/25/2023	5/25/2023	5/25/2023	5/25/2023	5/25/2023	5/25/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023
	SAMPLE DEPTH:	Upper Clay	Fill	Fill	Fill	Fill	Lower Clay	Fill	Fill	Fill	Lower Clay	Fill	Fill	Upper Clay	Fill	Fill	Upper Clay	Fill	Upper Clay	Fill	Fill	Fill	Fill	
	SAMPLE MATRIX:	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	NY Ambient Water Quality Standards (ug/l)																							
VOLATILE ORGANICS BY GC/MS																								
1,1,1-Trichloroethane	5	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<18 U	<0.7 U	<0.7 U	<0.7 U	<35 U	<0.7 U	<0.7 U	<7 U	<35 U	<0.7 U	<0.7 U	<0.7 U	<7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
1,1,2,2-Tetrachloroethane	5	<0.17 U	<0.17 U	<0.17 U	<0.17 U	<4.2 U	<0.17 U	<0.17 U	<0.17 U	<8.4 U	<0.17 U	<0.17 U	<1.7 U	<8.4 U	<0.17 U	<0.17 U	<0.17 U	<1.7 U	<0.17 U	<0.17 U	<0.17 U	<0.17 U	<0.17 U	<0.17 U
1,1,2-Trichloroethane	1	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<12 U	<0.5 U	<0.5 U	<0.5 U	<25 U	<0.5 U	<0.5 U	<5 U	<25 U	<0.5 U	<0.5 U	<0.5 U	<5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
1,1-Dichloroethane	5	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<18 U	<0.7 U	<0.7 U	<0.7 U	<35 U	<0.7 U	<0.7 U	<7 U	<35 U	<0.7 U	<0.7 U	<0.7 U	<7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
1,1-Dichloroethene	5	<0.17 U	<0.17 U	<0.17 U	<0.17 U	<4.2 U	<0.17 U	<0.17 U	<0.17 U	<8.4 U	<0.17 U	<0.17 U	<1.7 U	<8.4 U	<0.17 U	<0.17 U	<0.17 U	<1.7 U	<0.17 U	<0.17 U	<0.17 U	<0.17 U	<0.17 U	<0.17 U
1,2,3-Trichlorobenzene	5	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<18 U	<0.7 U	<0.7 U	<0.7 U	<35 U	<0.7 U	<0.7 U	<7 U	<35 U	<0.7 U	<0.7 U	<0.7 U	<7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
1,2,4-Trichlorobenzene	5	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<18 U	<0.7 U	<0.7 U	<0.7 U	<35 U	<0.7 U	<0.7 U	<7 U	<35 U	<0.7 U	<0.7 U	<0.7 U	<7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
1,2-Dibromo-3-chloropropane	0.04	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<18 U	<0.7 U	<0.7 U	<0.7 U	<35 U	<0.7 U	<0.7 U	<7 U	<35 U	<0.7 U	<0.7 U	<0.7 U	<7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
1,2-Dibromoethane	0.0006	<0.65 U	<0.65 U	<0.65 U	<0.65 U	<16 U	<0.65 U	<0.65 U	<0.65 U	<32 U	<0.65 U	<0.65 U	<6.5 U	<32 U	<0.65 U	<0.65 U	<0.65 U	<6.5 U	<0.65 U	<0.65 U	<0.65 U	<0.65 U	<0.65 U	<0.65 U
1,2-Dichlorobenzene	3	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<18 U	<0.7 U	<0.7 U	<0.7 U	<35 U	<0.7 U	<0.7 U	<7 U	<35 U	<0.7 U	<0.7 U	<0.7 U	<7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
1,2-Dichloroethane	0.6	<0.13 U	<0.13 U	<0.13 U	<0.13 U	<3.3 U	<0.13 U	<0.13 U	<0.13 U	<6.6 U	<0.13 U	<0.13 U	<1.3 U	<6.6 U	<0.13 U	<0.13 U	<0.13 U	<1.3 U	<0.13 U	<0.13 U	<0.13 U	<0.13 U	<0.13 U	<0.13 U
1,2-Dichloropropane	1	<0.14 U	<0.14 U	<0.14 U	<0.14 U	<3.4 U	<0.14 U	<0.14 U	<0.14 U	<6.8 U	<0.14 U	<0.14 U	<1.4 U	<6.8 U	<0.14 U	<0.14 U	<0.14 U	<1.4 U	<0.14 U	<0.14 U	<0.14 U	<0.14 U	<0.14 U	<0.14 U
1,3-Dichlorobenzene	3	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<18 U	<0.7 U	<0.7 U	<0.7 U	<35 U	<0.7 U	<0.7 U	<7 U	<35 U	<0.7 U	<0.7 U	<0.7 U	<7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
1,4-Dichlorobenzene	3	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<18 U	<0.7 U	<0.7 U	<0.7 U	<35 U	<0.7 U	<0.7 U	<7 U	<35 U	<0.7 U	<0.7 U	<0.7 U	<7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
1,4-Dioxane		<61 U	<61 U	<61 U	<61 U	<1500 U	<61 U	<61 U	<61 U	<3000 U	<61 U	<61 U	<610 U	<3000 U	<61 U	<61 U	<61 U	<610 U	<61 U	<61 U	<61 U	<61 U	<61 U	<61 U
2-Butanone	50	<1.9 U	<1.9 U	<1.9 U	<1.9 U	<48 U	<1.9 U	<1.9 U	<1.9 U	<97 U	<1.9 U	<1.9 U	20 J	<97 U	<1.9 U	<1.9 U	<1.9 U	<19 U	<1.9 U	<1.9 U	<1.9 U	<1.9 U	<1.9 U	<1.9 U
2-Hexanone	50	<1 U	<1 U	<1 U	<1 U	<25 U	<1 U	<1 U	<1 U	<50 U	<1 U	<1 U	<10 U	<50 U	<1 U	<1 U	<1 U	<10 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
4-Methyl-2-pentanone		<1 U	<1 U	<1 U	<1 U	<25 U	<1 U	<1 U	<1 U	<50 U	<1 U	<1 U	<10 U	<50 U	<1 U	<1 U	<1 U	<10 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Acetone	50	<1.5 U	<1.5 U	1.6 J	<1.5 U	<36 U	2.9 J	<1.5 U	<1.5 U	74 J	<1.5 U	<1.5 U	61	<73 U	<1.5 U	<1.5 U	<1.5 U	64	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U	<1.5 U
Benzene	1	<0.16 U	<0.16 U	<0.16 U	23	2900	1.9	<0.16 U	<0.16 U	1600	<0.16 U	<0.16 U	1700	82	<0.16 U	<0.16 U	<0.16 U	570	1.9	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U
Bromochloromethane	5	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<18 U	<0.7 U	<0.7 U	<0.7 U	<35 U	<0.7 U	<0.7 U	<7 U	<35 U	<0.7 U	<0.7 U	<0.7 U	<7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
Bromodichloromethane	50	<0.19 U	<0.19 U	<0.19 U	<0.19 U	<4.8 U	<0.19 U	<0.19 U	<0.19 U	<9.6 U	<0.19 U	<0.19 U	<1.9 U	<9.6 U	<0.19 U	<0.19 U	<0.19 U	<1.9 U	<0.19 U	<0.19 U	<0.19 U	<0.19 U	<0.19 U	<0.19 U
Bromoform	50	<0.65 U	<0.65 U	<0.65 U	<0.65 U	<16 U	<0.65 U	<0.65 U	<0.65 U	<32 U	<0.65 U	<0.65 U	<6.5 U	<32 U	<0.65 U	<0.65 U	5.5	<6.5 U	<0.65 U	<0.65 U	<0.65 U	<0.65 U	<0.65 U	<0.65 U
Bromomethane	5	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<18 U	<0.7 U	<0.7 U	<0.7 U	<35 U	<0.7 U	<0.7 U	<7 U	<35 U	<0.7 U	<0.7 U	<0.7 U	<7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
Carbon disulfide	60	<1 U	<1 U	<1 U	<1 U	<25 U	<1 U	<1 U	<1 U	<50 U	<1 U	<1 U	<10 U	<50 U	<1 U	<1 U	<1 U	14 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Carbon tetrachloride	5	<0.13 U	<0.13 U	<0.13 U	<0.13 U	<3.4 U	<0.13 U	<0.13 U	<0.13 U	<6.7 U	<0.13 U	<0.13 U	<1.3 U	<6.7 U	<0.13 U	<0.13 U	<0.13 U	<1.3 U	<0.13 U	<0.13 U	<0.13 U	<0.13 U	<0.13 U	<0.13 U
Chlorobenzene	5	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<18 U	<0.7 U	<0.7 U	<0.7 U	<35 U	<0.7 U	<0.7 U	<7 U	<35 U	<0.7 U	<0.7 U	<0.7 U	<7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
Chloroethane	5	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<18 U	<0.7 U	<0.7 U	<0.7 U	<35 U	<0.7 U	<0.7 U	<7 U	<35 U	<0.7 U	<0.7 U	<0.7 U	<7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
Chloroform	7	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<18 U	<0.7 U	<0.7 U	<0.7 U	<35 U	<0.7 U	<0.7 U	<7 U	<35 U	<0.7 U	<0.7 U	<0.7 U	<7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
Chloromethane		<0.7 U	<0.7 U	<0.7 U	<0.7 U	<18 U	<0.7 U	<0.7 U	<0.7 U	<35 U	<0.7 U	<0.7 U	<7 U	<35 U	<0.7 U	<0.7 U	<0.7 U	<7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
cis-1,2-Dichloroethene	5	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<18 U	<0.7 U	<0.7 U	<0.7 U	<35 U	<0.7 U	<0.7 U	<7 U	<35 U	<0.7 U	<0.7 U	<0.7 U	<7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
cis-1,3-Dichloropropene	0.4	<0.14 U	<0.14 U	<0.14 U	<0.14 U	<3.6 U	<0.14 U	<0.14 U	<0.14 U	<7.2 U	<0.14 U	<0.14 U	<1.4 U	<7.2 U	<0.14 U	<0.14 U	<0.14 U	<1.4 U	<0.14 U	<0.14 U	<0.14 U	<0.14 U	<0.14 U	<0.14 U
Cyclohexane		<0.27 U	<0.27 U	<0.27 U	<0.27 U	<6.8 U	<0.27 U	<0.27 U	<0.27 U	<14 U	<0.27 U	<0.27 U	<2.7 U	<14 U	<0.27 U	<0.27 U	<0.27 U	<2.7 U	<0.27 U	<0.27 U	<0.27 U	<0.27 U	<0.27 U	<0.27 U
Dibromochloromethane	50	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<3.7 U	<0.15 U	<0.15 U	<0.15 U	<7.4 U	<0.15 U	<0.15 U	<1.5 U	<7.4 U	<0.15 U	<0.15 U	1.8	<1.5 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U
Dichlorodifluoromethane	5	<1 U	<1 U	<1 U	<1 U	<25 U	<1 U	<1 U	<1 U	<50 U	<1 U	<1 U	<10 U	<50 U	<1 U	<1 U	<1 U	<10 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Ethylbenzene	5	<0.7 U	<0.7 U	<0.7 U	<0.7 U	140	<0.7 U	<0.7 U	<0.7 U	53 J	<0.7 U	<0.7 U	12 J	<35 U	<0.7 U	<0.7 U	<0.7 U	21	1.3 J	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
Freon-113	5	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<18 U	<0.7 U	<0.7 U	<0.7 U	<35 U	<0.7 U	<0.7 U	<7 U	<35 U	<0.7 U	<0.7 U	<0.7 U	<7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
Isopropylbenzene	5	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<18 U	<0.7 U	<0.7 U	<0.7 U	<35 U	<0.7 U	<0.7 U	<7 U	<35 U	<0.7 U	<0.7 U	<0.7 U	<7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
Methyl Acetate		<0.23 U	<0.23 U	<0.23 U	<0.23 U	<5.8 U	<0.23 U	<0.23 U	<0.23 U	<12 U	<0.23 U	<0.23 U	<2.3 U	<12 U	<0.23 U	<0.23 U	<0.23 U	<2.3 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U	<0.23 U
Methyl cyclohexane		<0.4 U	<0.4 U	<0.4 U	<0.4 U	<9.9 U	<0.4 U	<0.4 U	<0.4 U	<20 U	<0.4 U	<0.4 U	<4 U	<20 U	<0.4 U	<0.4 U	<0.4 U	<4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U	<0.4 U
Methyl tert butyl ether	10	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<18 U	<0.7 U	<0.7 U	<0.7 U	<35 U	<0.7 U	<0.7 U	<7 U	<35 U	<0.7 U	<0.7 U	<0.7 U	<7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
Methylene chloride	5	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<18 U	<0.7 U	<0.7 U	<0.7 U	<35 U	<0.7 U	<0.7 U	<7 U	<35 U	<0.7 U	<0.7 U	<0.7 U	<7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
o-Xylene	5	<0.7 U	<0.7 U	<0.7 U	<0.7 U	98	<0.7 U	<0.7 U	<0.7 U	280	<0.7 U	<0.7 U	40	45 J	<0.7 U	<0.7 U	<0.7 U	230	5.4	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
p/m-Xylene	5	<0.7 U	<0.7 U	<0.7 U	<0.7 U	140	<0.7 U	<0.7 U	<0.7 U	840	<0.7 U	<0.7 U	92	100 J	<0.7 U	<0.7 U	<0.7 U	380	5.9	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
Styrene	5	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<18 U	<0.7 U	<0.7 U	<0.7 U	260	<0.7 U	<0.7 U	9.6 J	<35 U	<0.7 U	<0.7 U	<0.7 U	<7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
Tetrachloroethene	5	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<4.5 U	<0.18 U	<0.18 U	<0.18 U	<9 U	<0.18 U	<0.18 U	<1.8 U	<9 U	<0.18 U	<0.18 U	<0.18 U	<1.8 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U
Toluene	5	<0.7 U	<0.7 U	<0.7 U	<0.7 U	71	<0.7 U	<0.7 U	<0.7 U	1400	<0.7 U	<0.7 U	310	59 J	<0.7 U	<0.7 U	<0.7 U	140	2.8	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
trans-1,2-Dichloroethene	5	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<18 U	<0.7 U	<0.7 U	<0.7 U	<35 U	<0.7 U	<0.7 U	<7 U	<35 U	<0.7 U	<0.7 U	<0.7 U	<7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
trans-1,3-Dichloropropene	0.4	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<4.1 U	<0.16 U	<0.16 U	<0.16 U	<8.2 U	<0.16 U	<0.16 U	<1.6 U	<8.2 U	<0.16 U	<0.16 U	<0.16 U	<1.6 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U
Trichloroethene	5	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<4.4 U	<0.18 U	<0.18 U	<0.18 U	<8.8 U	<0.18 U	<0.18 U	<1.8 U	<8.8 U	<0.18 U	<0.18 U	<0.18 U	<1.8 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U	<0.18 U
Trichlorofluoromethane	5	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<18 U	<0.7 U	<0.7 U	<0.7 U	<35 U	<0.7 U	<0.7 U	<7 U	<35 U	<0.7 U	<0.7 U	<0.7 U	<7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
Vinyl chloride	2	<0.07 U	<0.07 U	<0.07 U	<0.07 U	<1.8 U	<0.07 U	<0.07 U	<0.07 U	<3.6 U	<0.07 U	<0.07 U	<0.71 U	<3.6 U	<0.07 U	<0.07 U	<0.07 U	<0.71 U	<0.07 U	<0.07 U	<0.07 U	<0.07 U	<0.07 U	<0.07 U
Total VOCs		- -	- -	1.6 -	23 -	3349 -	4.8 -	- -	- -	4507 -	- -	- -	2244.6 -	286 -	- -	- -	7.3 -	1419 -	17.3 -	- -	- -	- -	- -	- -

Table 2D
Pre-Design Investigation Work Plan - Groundwater Sampling
Monitoring Well Sampling
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE	SAMPLE ID:	MW-8CP-01B-05252023		MW-8CP-02A-05252023		MW-8CP-03A-05252023		MW-8CP-04A-05252023		MW-8CP-05A-05252023		MW-8CP-05C-05252023		MW-8CP-06A-05252023		MW-8CP-09A-05252023		MW-8CP-10A-05262023		MW-8CP-10C-05262023		MW-8CP-12A-05262023		MW-8CP-13A-05262023		MW-8CP-13B-05262023		MW-8CP-16A-05262023		MW-8CP-17A-05262023		MW-8CP-17B-05262023		MW-8CP-19A-05262023		MW-8CP-19B-05262023		MW-8CP-21A-05262023		MW-8CP-23A-05262023		MW-8CP-27A-05262023		MW-8CP-99A-05262023		TRIP BLANK	
	LAB ID:	L2329835-09		L2329835-21		L2329835-10		L2329835-22		L2329835-11		L2329835-12		L2329835-13		L2329835-14		L2329835-15		L2329835-16		L2329835-17		L2329835-18		L2329835-19		L2329835-20		L2329835-01		L2329835-02		L2329835-03		L2329835-04		L2329835-05		L2329835-06		L2329835-07		L2329835-08		L2329835-23	
	COLLECTION DATE:	5/25/2023		5/25/2023		5/25/2023		5/25/2023		5/25/2023		5/25/2023		5/25/2023		5/26/2023		5/26/2023		5/26/2023		5/26/2023		5/26/2023		5/26/2023		5/26/2023		5/26/2023		5/26/2023		5/26/2023		5/26/2023		5/26/2023		5/26/2023		5/26/2023		5/26/2023	
	SAMPLE DEPTH:	Upper Clay		Fill		Fill		Fill		Fill		Lower Clay		Fill		Fill		Fill		Lower Clay		Fill		Fill		Upper Clay		Fill		Fill		Upper Clay		Fill		Upper Clay		Fill		Fill		Fill		Fill			
	SAMPLE MATRIX:	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	NY Ambient Water Quality Standards																																												
	(ug/l)																																												
SEMIVOLATILE ORGANICS BY GC/MS																																														
1,2,4,5-Tetrachlorobenzene	5	<0.44	U	<0.44	U	<0.44	U	<0.44	U	<0.44	U	<0.44	U	<0.44	U	<0.44	U	<8.8	U	<0.44	U	-	<8.8	U	<0.44	U	<0.44	U	-	-	-	-	<4.4	U	<0.44	U	<0.44	U	<0.44	U	<0.44	U	<0.44	U	-	-
2,3,4,6-Tetrachlorophenol		<0.84	U	<0.84	U	<0.84	U	<0.84	U	<0.84	U	<0.84	U	<0.84	U	<0.84	U	<17	U	<0.84	U	-	<17	U	<0.84	U	<0.84	U	-	-	-	-	<8.4	U	<0.84	U	<0.84	U	<0.84	U	<0.84	U	<0.84	U	-	-
2,4,5-Trichlorophenol		<0.77	U	<0.77	U	<0.77	U	<0.77	U	<0.77	U	<0.77	U	<0.77	U	<0.77	U	<15	U	<0.77	U	-	<15	U	<0.77	U	<0.77	U	-	-	-	-	<7.7	U	<0.77	U	<0.77	U	<0.77	U	<0.77	U	<0.77	U	-	-
2,4,6-Trichlorophenol		<0.61	U	<0.61	U	<0.61	U	<0.61	U	<0.61	U	<0.61	U	<0.61	U	<0.61	U	<12	U	<0.61	U	-	<12	U	<0.61	U	<0.61	U	-	-	-	-	<6.1	U	<0.61	U	<0.61	U	<0.61	U	<0.61	U	<0.61	U	-	-
2,4-Dichlorophenol	1	<0.41	U	<0.41	U	<0.41	U	<0.41	U	<0.41	U	<0.41	U	<0.41	U	<0.41	U	<8.2	U	<0.41	U	-	<8.2	U	<0.41	U	<0.41	U	-	-	-	-	<4.1	U	<0.41	U	<0.41	U	<0.41	U	<0.41	U	<0.41	U	-	-
2,4-Dimethylphenol	50	<1.8	U	<1.8	U	<1.8	U	<1.8	U	13		<1.8	U	<1.8	U	<1.8	U	2700		<1.8	U	-	1800		24		<1.8	U	-	-	-	-	880		<1.8	U	<1.8	U	<1.8	U	<1.8	U	4.5	J	-	-
2,4-Dinitrophenol	10	<6.6	U	<6.6	U	<6.6	U	<6.6	U	<6.6	U	<6.6	U	<6.6	U	<6.6	U	<130	U	<6.6	U	-	<130	U	<6.6	U	<6.6	U	-	-	-	-	<66	U	<6.6	U	<6.6	U	<6.6	U	<6.6	U	<6.6	U	-	-
2,4-Dinitrotoluene	5	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<23	U	<1.2	U	-	<23	U	<1.2	U	<1.2	U	-	-	-	-	<12	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	-	-
2,6-Dinitrotoluene	5	<0.93	U	<0.93	U	<0.93	U	<0.93	U	<0.93	U	<0.93	U	<0.93	U	<0.93	U	<19	U	<0.93	U	-	<19	U	<0.93	U	<0.93	U	-	-	-	-	<9.3	U	<0.93	U	<0.93	U	<0.93	U	<0.93	U	<0.93	U	-	-
2-Chlorophenol		<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<9.6	U	<0.48	U	-	<9.6	U	<0.48	U	<0.48	U	-	-	-	-	<4.8	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	-	-
2-Methylphenol		<0.49	U	<0.49	U	<0.49	U	<0.49	U	70		<0.49	U	<0.49	U	<0.49	U	6300		<0.49	U	-	3300		24		<0.49	U	-	-	-	-	1700		<0.49	U	<0.49	U	<0.49	U	<0.49	U	4.2	J	-	-
2-Nitroaniline	5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<10	U	<0.5	U	-	<10	U	<0.5	U	<0.5	U	-	-	-	-	<5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	-	-
2-Nitrophenol		<0.85	U	<0.85	U	<0.85	U	<0.85	U	<0.85	U	<0.85	U	<0.85	U	<0.85	U	<17	U	<0.85	U	-	<17	U	<0.85	U	<0.85	U	-	-	-	-	<8.5	U	<0.85	U	<0.85	U	<0.85	U	<0.85	U	<0.85	U	-	-
3,3'-Dichlorobenzidine	5	<1.6	U	<1.6	U	<1.6	U	<1.6	U	<1.6	U	<1.6	U	<1.6	U	<1.6	U	<32	U	<1.6	U	-	<32	U	<1.6	U	<1.6	U	-	-	-	-	<16	U	<1.6	U	<1.6	U	<1.6	U	<1.6	U	<1.6	U	-	-
3-Methylphenol/4-Methylphenol	-	<0.48	U	<0.48	U	<0.48	U	<0.48	U	26		<0.48	U	<0.48	U	<0.48	U	9000		<0.48	U	-	13000		49		<0.48	U	-	-	-	-	2600		<0.48	U	<0.48	U	<0.48	U	<0.48	U	4.7	J	-	-
3-Nitroaniline	5	<0.81	U	<0.81	U	<0.81	U	<0.81	U	<0.81	U	<0.81	U	<0.81	U	<0.81	U	<16	U	<0.81	U	-	<16	U	<0.81	U	<0.81	U	-	-	-	-	<8.1	U	<0.81	U	<0.81	U	<0.81	U	<0.81	U	<0.81	U	-	-
4,6-Dinitro-o-cresol		<1.8	U	<1.8	U	<1.8	U	<1.8	U	<1.8	U	<1.8	U	<1.8	U	<1.8	U	<36	U	<1.8	U	-	<36	U	<1.8	U	<1.8	U	-	-	-	-	<18	U	<1.8	U	<1.8	U	<1.8	U	<1.8	U	<1.8	U	-	-
4-Bromophenyl phenyl ether		<0.38	U	<0.38	U	<0.38	U	<0.38	U	<0.38	U	<0.38	U	<0.38	U	<0.38	U	<7.6	U	<0.38	U	-	<7.6	U	<0.38	U	<0.38	U	-	-	-	-	<3.8	U	<0.38	U	<0.38	U	<0.38	U	<0.38	U	<0.38	U	-	-
4-Chloroaniline	5	<1.1	U	<1.1	U	<1.1	U	<1.1	U	<1.1	U	<1.1	U	<1.1	U	<1.1	U	<21	U	<1.1	U	-	<21	U	<1.1	U	<1.1	U	-	-	-	-	<11	U	<1.1	U	<1.1	U	<1.1	U	<1.1	U	<1.1	U	-	-
4-Chlorophenyl phenyl ether		<0.49	U	<0.49	U	<0.49	U	<0.49	U	<0.49	U	<0.49	U	<0.49	U	<0.49	U	<9.7	U	<0.49	U	-	<9.7	U	<0.49	U	<0.49	U	-	-	-	-	<4.9	U	<0.49	U	<0.49	U	<0.49	U	<0.49	U	<0.49	U	-	-
4-Nitroaniline	5	<0.8	U	<0.8	U	<0.8	U	<0.8	U	<0.8	U	<0.8	U	<0.8	U	<0.8	U	<16	U	<0.8	U	-	<16	U	<0.8	U	<0.8	U	-	-	-	-	<8	U	<0.8	U	<0.8	U	<0.8	U	<0.8	U	<0.8	U	-	-
4-Nitrophenol		<0.67	U	<0.67	U	<0.67	U	<0.67	U	<0.67	U	<0.67	U	<0.67	U	<0.67	U	<13	U	<0.67	U	-	<13	U	<0.67	U	<0.67	U	-	-	-	-	<6.7	U	<0.67	U	<0.67	U	<0.67	U	<0.67	U	<0.67	U	-	-
Acetophenone		<0.53	U	<0.53	U	<0.53	U	<0.53	U	7.8		<0.53	U	<0.53	U	<0.53	U	<10	U	<0.53	U	-	<10	U	<0.53	U	<0.53	U	-	-	-	-	<5.3	U	<0.53	U	<0.53	U	<0.53	U	<0.53	U	<0.53	U	-	-
Atrazine	7.5	<0.76	U	<0.76	U	<0.76	U	<0.76	U	<0.76	U	<0.76	U	<0.76	U	<0.76	U	<15	U	<0.76	U	-	<15	U	<0.76	U	<0.76	U	-	-	-	-	<7.6	U	<0.76	U	<0.76	U	<0.76	U	<0.76	U	<0.76	U	-	-
Benzaldehyde		<0.53	U	<0.53	U	<0.53	U	<0.53	U	<0.53	U	<0.53	U	<0.53	U	<0.53	U	<11	U	<0.53	U	-	<11	U	<0.53	U	<0.53	U	-	-	-	-	<5.3	U	<0.53	U	<0.53	U	<0.53	U	<0.53	U	<0.53	U	-	-
Biphenyl		<0.46	U	<0.46	U	<0.46	U	<0.46	U	2		<0.46	U	<0.46	U	<0.46	U	74		<0.46	U	-	16	J	74		<0.46	U	-	-	-	-	86		9.4		<0.46	U	<0.46	U	0.7	J	0.61	J	-	-
Bis(2-chloroethoxy)methane	5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<10	U	<0.5	U	-	<10	U	<0.5	U	<0.5	U	-	-	-	-	<5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	-	-
Bis(2-chloroethyl)ether	1	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<10	U	<0.5	U	-	<10	U	<0.5	U	<0.5	U	-	-	-	-	<5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	-	-
Bis(2-chloroisopropyl)ether	5	<0.53	U	<0.53	U	<0.53	U	<0.53	U	<0.53	U	<0.53	U	<0.53	U	<0.53	U	<10	U	<0.53	U	-	<10	U	<0.53	U	<0.53	U	-	-	-	-	<5.3	U	<0.53	U	<0.53	U	<0.53	U	<0.53	U	<0.53	U	-	-
Bis(2-ethylhexyl)phthalate	5	<1.5	U	<1.5	U	2.3	J	<1.5	U	<1.5	U	<1.5	U	<1.5	U	<1.5	U	<31	U	<1.5	U	-	<31	U	<1.5	U	<1.5	U	-	-	-	-	<15	U	<1.5	U	<1.5	U	<1.5	U	<1.5	U	<1.5	U	-	-
Butyl benzyl phthalate	50	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<23	U	<1.2	U	-	<23	U	<1.2	U	<1.2	U	-	-	-	-	<12	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	-	-
Caprolactam		<3.3	U	<3.3	U	<3.3	U	<3.3	U	<3.3	U	<3.3	U	<3.3	U	<3.3	U	<66	U	<3.3	U	-	<66	U	<3.3	U	<3.3	U	-	-	-	-	<33	U	<3.3	U	<3.3	U	<3.3	U	<3.3	U	<3.3	U	-	-
Carbazole		<0.49	U	<0.49	U	<0.49	U	<0.49	U	3		<0.49	U	<0.49	U	<0.49	U	420		<0.49	U	-	15	J	140		<0.49	U	-	-	-	-	270		14		0.55	J	1.4	J	9.2		8.8		-	-
Di-n-butylphthalate	50	<0.39	U	<0.39	U	<0.39	U	<0.39	U	<0.39	U	<0.39	U	<0.39	U	<0.39	U	<7.8	U	<0.39	U	-	<7.8	U	<0.39	U	<0.39	U	-	-	-	-	<3.9	U	<0.39	U	<0.39	U	<0.39	U	<0.39	U	<0.39	U	-	-
Di-n-octylphthalate	50	<1.3	U	<1.3	U	<1.3	U	<1.3	U	<1.3	U	<1.3	U	<1.3	U	<1.3	U	<25	U	<1.3	U	-	<25	U	<1.3	U	<1.3	U	-	-	-	-	<13	U	<1.3	U	<1.3	U	<1.3	U	<1.3	U	<1.3	U	-	-
Dibenzofuran		<0.5	U	<0.5	U	<0.5	U	<0.5	U	3		<0.5	U	<0.5	U	<0.5	U	150		<0.5	U	-	37	J	120		<0.5	U	-	-	-	-	150		24		<0.5	U	0.62	J	4.9		3.2		-	-
Diethyl phthalate	50	<0.38	U	<0.38	U	<0.38	U	<0.38	U	<0.38	U	<0.38	U	<0.38	U	<0.38	U	<7.6	U	<0.38	U	-	<7.6	U	<0.38	U	<0.38	U	-	-	-	-	<3.8	U	<0.38	U	<0.38	U	<0.38	U	<0.38	U	<0.38	U	-	-
Dimethyl phthalate	50	<1.8	U	<1.8	U	<1.8	U	<1.8	U	<1.8	U	<1.8	U	<1.8	U	<1.8	U	<36	U	<1.8	U	-	<36	U	<1.8	U	<1.8	U	-	-	-	-	<18	U	<1.8	U	<1.8	U	<1.8	U	<1.8	U	<1.8	U	-	-
Hexachlorocyclopentadiene	5	<0.69	U	<0.69	U	<0.69	U	<0.69	U	<0.69	U	<0.69	U	<0.69	U	<0.69	U	<14	U	<0.69	U	-	<14	U	<0.69	U	<0.69	U	-	-	-	-	<6.9	U	<0.69	U	<0.69	U	<0.69	U	<0.69	U	<0.69	U	-	-
Isophorone	50	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<24	U	<1.2	U	-	<24	U	<1.2	U	<1.2	U	-	-	-	-	<12	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	-	-
n-Nitrosodi-n-propylamine		<0.64	U	<0.64	U	<0.64	U	<0.64	U	<0.64	U	<0.64	U	<0.64	U	<0.64	U	<13	U	<0.64	U	-	<13	U	<0.64	U	<0.64	U	-	-	-	-	<6.4	U	<0.64	U	<0.64	U	<0.64	U	<0.64	U	<0.64	U	-	-
NDPA/DPA	50	<0.42	U	<0.42	U	<0.42	U	<0.42	U	<0.42	U	<0.42	U	<0.42	U	<0.42	U	<8.4	U	<0.42	U	-	<8.4	U	<0.42	U	<0.42	U	-	-	-	-	<4.2	U	<0.42	U	<0.42	U	<0.42	U	<0.42	U	<0.42	U	-	-
Nitrobenzene	0.4	<0.77	U	<0.77	U	<0.77	U	<0.77	U	<0.77	U	<0.77	U	<0.77	U	<0.77	U	<15	U	<0.77	U	-	<15	U	<0.77	U	<0.77	U	-	-	-	-	<7.7	U	<0.77	U	<0.77	U	<0.77	U	<0.77	U	<0.77	U	-	-
p-Chloro-m-cresol		<0.35	U	<0.35	U	<0.35	U	<0.35	U	<0.35	U	<0.35	U	<0.35	U	<0.35	U	<7	U	<0.35	U	-	<7	U	<0.35	U	<0.35	U	-	-	-	-	<3.5	U	<0.35	U	<0.35	U	<0.35	U	<0.35	U	<0.35	U	-	-
Phenol	1	<0.57	U	<0.57	U	<0.57	U	<0.57	U	5		<0.57	U	<0.57	U	<0.57	U	2100		<0.57	U	-	2000		1.8	J	<0.57	U	-	-	-	-	2700		<0.57	U	<0.57	U	<0.57	U	0.88	J	-	-
Total SVOCs		-	-	-	-	2.3	-	-	-	129.8	-	-	-	-	-	-	-	20744	-	-	-	-	20168	-	432.8	-	-	-	-	-	-	-	8386	-	47.4	-	0.55	-	2.02	-	14.8	-	26.89	-	-	-

Table 2D
Pre-Design Investigation Work Plan - Groundwater Sampling
Monitoring Well Sampling
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE	SAMPLE ID:	MW-BCP-01B-05252023	MW-BCP-02A-05252023	MW-BCP-03A-05252023	MW-BCP-04A-05252023	MW-BCP-05A-05252023	MW-BCP-05C-05252023	MW-BCP-06A-05252023	MW-BCP-09A-05252023	MW-BCP-10A-05262023	MW-BCP-10C-05262023	MW-BCP-12A-05262023	MW-BCP-13A-05262023	MW-BCP-13B-05262023	MW-BCP-16A-05262023	MW-BCP-17A-05262023	MW-BCP-17B-05262023	MW-BCP-19A-05262023	MW-BCP-19B-05262023	MW-BCP-21A-05262023	MW-BCP-23A-05262023	MW-BCP-27A-05262023	MW-BCP-99A-05262023	TRIP BLANK
	LAB ID:	L2329835-09	L2329835-21	L2329835-10	L2329835-22	L2329835-11	L2329835-12	L2329835-13	L2329835-14	L2329835-15	L2329835-16	L2329835-17	L2329835-18	L2329835-19	L2329835-20	L2329835-01	L2329835-02	L2329835-03	L2329835-04	L2329835-05	L2329835-06	L2329835-07	L2329835-08	L2329835-23
	COLLECTION DATE:	5/25/2023	5/25/2023	5/25/2023	5/25/2023	5/25/2023	5/25/2023	5/25/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023	5/26/2023
	SAMPLE DEPTH:	Upper Clay	Fill	Fill	Fill	Fill	Lower Clay	Fill	Fill	Fill	Lower Clay	Fill	Fill	Upper Clay	Fill	Fill	Upper Clay	Fill	Upper Clay	Fill	Fill	Fill	Fill	Fill
	SAMPLE MATRIX:	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	NY Ambient Water Quality Standards																							
	(ug/l)																							
SEMIVOLATILE ORGANICS BY GC/MS-SIM																								
2-Chloronaphthalene	10	<0.02 U	<0.02 U	0.04 J	<0.02 U	<0.02 U	<0.02 U	<0.02 U	<0.02 U	<0.9 U	<0.02 U	- -	<1.8 U	<1.8 U	<0.02 U	- -	- -	<1.8 U	<0.02 U	<0.02 U	<0.02 U	<0.02 U	<0.02 U	<0.02 U	- -
2-Methylnaphthalene		<0.02 U	<0.02 U	0.23	0.46	16	<0.02 U	0.18	<0.02 U	1700	0.03 J	- -	180	990	0.03 J	- -	- -	1100	8.8	<0.02 U	0.05 J	0.79	1.2	- -
Acenaphthene	20	<0.01 U	<0.01 U	0.05 J	0.66	8.3	<0.01 U	0.04 J	<0.01 U	69	<0.01 U	- -	15	51	<0.01 U	- -	- -	33	4.5	0.1	2.5	2.4	2.4	- -
Acenaphthylene		0.03 J	0.03 J	0.22	0.52	14	0.03 J	0.07 J	0.03 J	1200	0.06 J	- -	150	820	0.04 J	- -	- -	290	40	0.11	1.3	7.8	4.3	- -
Anthracene	50	0.03 J	0.04 J	0.25	0.58	2.3	0.03 J	0.07 J	0.05 J	99	0.04 J	- -	16	40	0.04 J	- -	- -	18	5.7	0.16	0.35	5.7	1.3	- -
Benzo(a)anthracene	0.002	0.06 J	0.03 J	0.48	1.1	0.86	<0.02 U	0.14	0.04 J	44	0.09 J	- -	3 J	5.4 J	0.07 J	- -	- -	<2 U	1.6	0.07 J	0.74	10	1.2	- -
Benzo(a)pyrene	0	0.09 J	0.03 J	0.57	1.5	0.74	<0.02 U	0.23	0.03 J	26	0.08 J	- -	2.4 J	4.9 J	0.06 J	- -	- -	<1.5 U	1.4	0.05 J	0.82	9.4	1.1	- -
Benzo(b)fluoranthene	0.002	0.17	0.04 J	1	2	0.92	0.01 J	0.34	0.04 J	33	0.12	- -	2.8 J	5.7 J	0.08 J	- -	- -	<1.2 U	1.5	0.08 J	0.94	12	1.3	- -
Benzo(ghi)perylene		0.11	0.03 J	0.56	1.2	0.4	<0.01 U	0.21	0.02 J	8.4	0.08 J	- -	<1.4 U	<1.4 U	0.04 J	- -	- -	<1.4 U	0.7	0.05 J	0.51	5.2	0.6	- -
Benzo(k)fluoranthene	0.002	0.07 J	0.02 J	0.36	0.67	0.31	<0.01 U	0.12	0.01 J	12	0.06 J	- -	1.2 J	2.5 J	0.02 J	- -	- -	<0.89 U	0.54	0.03 J	0.29	3.5	0.44	- -
Chrysene	0.002	0.09 J	0.03 J	0.7	1.2	0.65	<0.01 U	0.18	0.03 J	30	0.09 J	- -	1.8 J	4.5 J	0.06 J	- -	- -	<1.2 U	1.2	0.05 J	0.55	7.4	0.83	- -
Dibenz(a,h)anthracene		0.03 J	<0.01 U	0.13	0.29	0.12	<0.01 U	0.04 J	<0.01 U	3.1 J	0.05 J	- -	<1.3 U	<1.3 U	<0.01 U	- -	- -	<1.3 U	0.2	<0.01 U	0.11	1.3	0.15	- -
Fluoranthene	50	0.07 J	0.05 J	0.92	2.8	2.6	0.02 J	0.31	0.07 J	160	0.13	- -	38	37	0.11	- -	- -	8.5 J	8.6	0.23	1.7	24	3.2	- -
Fluorene	50	0.02 J	<0.01 U	0.12	0.47	3.6	<0.01 U	0.06 J	0.02 J	390	0.04 J	- -	79	280	0.03 J	- -	- -	220	33	0.26	1.5	5.5	2.7	- -
Hexachlorobenzene	0.04	0.02 J	<0.01 U	0.03 J	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.47 U	<0.01 U	- -	<0.94 U	<0.94 U	<0.01 U	- -	- -	<0.94 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	<0.01 U	- -
Hexachlorobutadiene	0.5	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<2.3 U	<0.05 U	- -	<4.7 U	<4.7 U	<0.05 U	- -	- -	<4.7 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	<0.05 U	- -
Hexachloroethane	5	<0.06 U	<0.06 U	<0.06 U	<0.06 U	<0.06 U	<0.06 U	<0.06 U	<0.06 U	<3.2 U	<0.06 U	- -	<6.3 U	<6.3 U	<0.06 U	- -	- -	<6.3 U	<0.06 U	<0.06 U	<0.06 U	<0.06 U	<0.06 U	- -
Indeno(1,2,3-cd)pyrene	0.002	0.11	0.03 J	0.58	1.2	0.47	<0.01 U	0.21	0.02 J	9.8	0.09 J	- -	1.2 J	2.7 J	0.05 J	- -	- -	<1.2 U	0.81	0.05 J	0.56	6.2	0.72	- -
Naphthalene	10	<0.05 U	<0.05 U	0.42	1.8	480	0.06 J	0.24	0.06 J	24000	0.26	- -	3900	24000	0.51	- -	- -	16000	170	0.13	0.24	4	15	- -
Pentachlorophenol	1	<0.01 U	<0.01 U	<0.01 U	<0.01 U	1.4	<0.01 U	<0.01 U	<0.01 U	<0.72 U	<0.01 U	- -	<1.4 U	<1.4 U	<0.01 U	- -	- -	<1.4 U	<0.01 U	<0.01 U	<0.01 U	0.36 J	0.17 J	- -
Phenanthrene	50	0.04 J	0.03 J	0.66	1.2	3.8	0.02 J	0.2	0.04 J	390	0.09 J	- -	210	210	0.06 J	- -	- -	130	30	0.15	0.47	15	3	- -
Pyrene	50	0.06 J	0.05 J	0.7	2.3	2.3	0.02 J	0.27	0.06 J	100	0.1	- -	21	23	0.1 J	- -	- -	4.6 J	5.9	0.17	1.3	16	2.2	- -
Total SVOCs		1 -	0.41 -	8.02 -	19.95 -	538.77 -	0.19 -	2.91 -	0.52 -	28274.3 -	1.41 -	- -	4621.4 -	26478.7 -	1.3 -	- -	- -	17804.1 -	314.45 -	1.69 -	13.93 -	136.55 -	41.81 -	- -
DISSOLVED METALS																								
Aluminum, Dissolved		3.76 J	- -	- -	- -	307	3.97 J	14	9.11 J	<16.4 U	4.56 J	<3.27 U	- -	- -	4.01 J	- -	- -	- -	- -	<3.27 U	- -	- -	- -	- -
Antimony, Dissolved	3	<0.42 U	- -	- -	- -	<2.14 U	1.39 J	<0.42 U	<0.42 U	<2.14 U	0.46 J	<0.42 U	- -	- -	<0.42 U	- -	- -	- -	- -	<0.42 U	- -	- -	- -	- -
Arsenic, Dissolved	25	0.79 -	- -	- -	- -	16.23 -	2.22 -	2.68 -	0.58 -	10.36 -	0.95 -	1.73 -	- -	- -	0.64 -	- -	- -	- -	- -	2.1 -	- -	- -	- -	- -
Barium, Dissolved	1000	44.47 -	- -	- -	- -	19.44 -	34.7 -	70.14 -	39.88 -	38.62 -	66.74 -	69.79 -	- -	- -	28.08 -	- -	- -	- -	- -	32.7 -	- -	- -	- -	- -
Beryllium, Dissolved	3	<0.1 U	- -	- -	- -	<0.53 U	<0.1 U	<0.1 U	<0.1 U	<0.53 U	<0.1 U	<0.1 U	- -	- -	<0.1 U	- -	- -	- -	- -	<0.1 U	- -	- -	- -	- -
Cadmium, Dissolved	5	<0.05 U	- -	- -	- -	<0.29 U	<0.05 U	<0.05 U	<0.05 U	<0.29 U	<0.05 U	<0.05 U	- -	- -	<0.05 U	- -	- -	- -	- -	<0.05 U	- -	- -	- -	- -
Calcium, Dissolved		54800 -	- -	- -	- -	15300 -	31400 -	37400 -	464000 -	10000 -	46000 -	237000 -	- -	- -	220000 -	- -	- -	- -	- -	64200 -	- -	- -	- -	- -
Chromium, Dissolved	50	0.56 J	- -	- -	- -	9.07 -	<0.17 U	<0.17 U	0.57 J	<0.89 U	<0.17 U	<0.17 U	- -	- -	0.28 J	- -	- -	- -	- -	<0.17 U	- -	- -	- -	- -
Cobalt, Dissolved	0.4	<0.16 U	- -	- -	- -	2.63 -	1.09 -	0.25 J	2.57 -	<0.81 U	0.78 -	0.33 J	- -	- -	0.23 J	- -	- -	- -	- -	0.4 J	- -	- -	- -	- -
Copper, Dissolved	200	0.47 J	- -	- -	- -	<1.92 U	<0.38 U	<0.38 U	3.25 -	<1.92 U	0.49 J	<0.38 U	- -	- -	0.64 J	- -	- -	- -	- -	<0.38 U	- -	- -	- -	- -
Iron, Dissolved	300	<19.1 U	- -	- -	- -	1560 -	39.4 J	30.4 J	470 -	209 J	48.8 J	42 J	- -	- -	<19.1 U	- -	- -	- -	- -	40.3 J	- -	- -	- -	- -
Lead, Dissolved	25	<0.34 U	- -	- -	- -	1.82 J	<0.34 U	<0.34 U	0.89 J	<1.71 U	<0.34 U	<0.34 U	- -	- -	<0.34 U	- -	- -	- -	- -	<0.34 U	- -	- -	- -	- -
Magnesium, Dissolved	35000	128000 -	- -	- -	- -	8760 -	148000 -	12800 -	216000 -	1500 -	143000 -	23800 -	- -	- -	94000 -	- -	- -	- -	- -	31500 -	- -	- -	- -	- -
Manganese, Dissolved	300	15.58 -	- -	- -	- -	40.27 -	15.78 -	365.8 -	1082 -	6.21 -	37.68 -	790.7 -	- -	- -	66.25 -	- -	- -	- -	- -	617.8 -	- -	- -	- -	- -
Mercury, Dissolved	0.7	<0.09 U	- -	- -	- -	0.1 J	<0.09 U	<0.09 U	<0.09 U	0.13 J	<0.09 U	<0.09 U	- -	- -	<0.09 U	- -	- -	- -	- -	<0.09 U	- -	- -	- -	- -
Nickel, Dissolved	100	<0.55 U	- -	- -	- -	5.82 J	3.24 -	0.8 J	1.89 J	3.31 J	0.98 J	<0.55 U	- -	- -	1.78 J	- -	- -	- -	- -	0.83 J	- -	- -	- -	- -
Potassium, Dissolved		3270 -	- -	- -	- -	7090 -	12600 -	4890 -	1930 -	2260 -	6440 -	21200 -	- -	- -	5720 -	- -	- -	- -	- -	10900 -	- -	- -	- -	- -
Selenium, Dissolved	10	<1.73 U	- -	- -	- -	<8.65 U	<1.73 U	<1.73 U	2.76 J	<8.65 U	<1.73 U	<1.73 U	- -	- -	<1.73 U	- -	- -	- -	- -	<1.73 U	- -	- -	- -	- -
Silver, Dissolved	50	<0.16 U	- -	- -	- -	<0.81 U	<0.16 U	<0.16 U	<0.16 U	<0.81 U	<0.16 U	<0.16 U	- -	- -	<0.16 U	- -	- -	- -	- -	<0.16 U	- -	- -	- -	- -
Sodium, Dissolved	20000	29200 -	- -	- -	- -	1120000 -	106000 -	21600 -	178000 -	68100 -	64400 -	47000 -	- -	- -	316000 -	- -	- -	- -	- -	140000 -	- -	- -	- -	- -
Thallium, Dissolved	0.5	<0.14 U	- -	- -	- -	<0.71 U	<0.14 U	<0.14 U	<0.14 U	<0.71 U	<0.14 U	<0.14 U	- -	- -	<0.14 U	- -	- -	- -	- -	<0.14 U	- -	- -	- -	- -
Vanadium, Dissolved		<1.57 U	- -	- -	- -	63.83 -	3.68 J	<1.57 U	<1.57 U	<7.85 U	3.28 J	<1.57 U	- -	- -	1.69 J	- -	- -	- -	- -	<1.57 U	- -	- -	- -	- -
Zinc, Dissolved	2000	<3.41 U	- -	- -	- -	<17.05 U	<3.41 U	<3.41 U	<3.41 U	<17.05 U	<3.41 U	<3.41 U	- -	- -	3.83 J	- -	- -	- -	- -	<3.41 U	- -	- -	- -	- -
TOTAL METALS																								
Aluminum, Total		904 -	- -	- -	- -	10000 -	4900 -	195 -	49.4 -	73.4 -	1140 -	603 -	- -	- -	45.3 -	- -	- -	- -	- -	49 -	- -	- -	- -	- -
Antimony, Total	3	0.69 J	- -	- -	- -	<2.14 U	<2.14 U	<0.42 U	<0.42 U	<2.14 U	0.5 J	<0.42 U	- -	- -	<0.42 U	- -	- -	- -	- -	<0.42 U	- -	- -	- -	- -
Arsenic, Total	25	3.04 -	- -	- -	- -	24.78 -	22.11 -	4.24 -	2.68 -	18.66 -	3.05 -	5.48 -	- -	- -	4.69 -	- -	- -	- -	- -	2.53 -	- -	- -	- -	- -
Barium, Total	1000	57.74 -	- -	- -	- -	88.4 -	86.93 -	79.27 -	63.83 -	46.77 -	87.85 -	90.33 -	- -	- -	37.77 -	- -	- -	- -	- -	43.99 -	- -	- -	- -	- -
Beryllium, Total	3	<0.1 U	- -	- -	- -	0.64 J	<0.53 U	<0.1 U	<0.1 U	<0.53 U	<0.1 U	<0.1 U	- -	- -	<0.1 U	- -	- -	- -	- -	<0.1 U	- -	- -	- -	- -
Cadmium, Total	5	<0.05 U	- -	- -	- -	<0.29 U	<0.29 U	<0.05 U	<0.05 U	<0.29 U	<0.05 U	<0.05 U	- -	- -	0.22 J	- -	- -	- -	- -	<0.05 U	- -	- -	- -	- -
Calcium, Total		67800 -	- -	- -	- -	40200 -	79100 -	46500 -	347000 -	13700 -	45600 -	321000 -	- -	- -	813000 -	- -	- -	- -	- -	69200 -	- -	- -	- -	- -
Chromium, Total	50	1.85 -	- -	- -	- -	20.05 -	53.61 -	0.4 J	0.73 J	<0.89 U	1.62 -	0.79 J	- -	- -	0.35 J	- -	- -	- -	- -	0.32 J	- -	- -	- -	- -
Cobalt, Total		0.52 -	- -	- -	- -	9.01 -	5.72 -	0.53 J	1.9 -	<0.81 U	1.27 -	0.73 -	- -	- -	0.46 J	- -	- -	- -	- -	0.55 -	- -	- -	- -	- -
Copper, Total	200	1.93 -	- -	- -	- -	6.75 -	13.62 -	0.9 J	2.97 -	<1.92 U	2.07 -	2.08 -	- -	- -	2.93 -	- -	- -	- -	- -	2.99 -	- -	- -	- -	- -
Iron, Total	300	788 -	- -	- -	- -	15900 -	9230 -	872 -	1910 -	382 -	579 -	6800 -	- -	- -	50.5 -	- -	- -	- -	- -	2240 -	- -	- -	- -	- -
Lead, Total	25	1.2 -	- -	- -	- -	18.12 -	6.69 -	1.34 -	0.6 J	<1.71 U	1.47 -	3.34 -	- -	- -	0.4 J	- -	- -	- -	- -	<0.34 U	- -	- -	- -	- -
Magnesium, Total	35000	114000 -	- -	- -	- -	16000 -	151000 -	15700 -	150000 -	2030 -	141000 -	22400 -	- -	- -	291000 -	- -	- -	- -	- -	26000 -	- -	- -	- -	- -
Manganese, Total	300	38.97 -	- -	- -	- -	311.3 -	165.3 -	473.8 -	593.1 -	44.55 -	46.44 -	988.4 -	- -	- -	219.6 -	- -	- -	- -	- -	619.2 -	- -	- -	- -	- -
Mercury, Total	0.7	<0.09 U	<0.09 U	3.23 -	<0.09 U	5.02 -	<0.09 U	<0.09 U	<0.09 U	0.22 -	<0.09 U	<0.09 U	<0.09 U	2.32 -	<0.09 U	- -	- -	<0.09 U	<0.09 U	<0.09 U	0.11 J	2.21 -	2.13 -	- -
Nickel, Total	100	1.22 J	- -	- -	- -	20.2 -	13.41 -	1.05 J	1.56 J	4.09 J	1.87 J	1.07 J	- -	- -	3.63 -	- -	- -	- -	- -	1.34 J	- -	- -	- -	- -
Potassium, Total		4340 -	- -	- -	- -	10200 -	19200 -	6220 -	4210 -	2880 -	9280 -	30000 -	- -	- -	2110 -	- -	- -	- -	- -	12000 -	- -	- -	- -	- -
Selenium, Total	10	<1.73 U	- -	- -	- -	<8.65 U	<1.73 U	<1.73 U	2.29 J	<8.65 U	<1.73 U	<1.73 U	- -	- -	<1.73 U	- -	- -	- -	- -	<1.73 U	- -	- -	- -	- -
Silver, Total	50	<0.16 U	- -	- -	- -	<0.81 U	<0.81 U	<0.16 U	<0.16 U	<0.81 U	<0.16 U	<0.16 U	- -	- -	<0.16 U	- -	- -	- -	- -	<0.16 U	- -	- -	- -	- -
Sodium, Total	20000	27900 -	- -	- -	- -	1130000 -	115000 -	21200 -	110000 -	59900 -	67200 -	48700 -	- -	- -	1220000 -	- -	- -	- -	- -	139000 -	- -	- -	- -	- -
Thallium, Total	0.5	<0.14 U	- -	- -	- -	<0.71 U	<0.71 U	<0.14 U	<0.14 U	<0.71 U	<0.14 U	<0.14 U	- -	- -	<0.14 U	- -	- -	- -	- -	<0.14 U	- -	- -	- -	- -
Vanadium, Total		2.53 J	- -	- -	- -	71.18 -	15.21 J	<1.57 U	<1.57 U	<7.85 U	4.65 J	<1.57 U	- -	- -	<1.57 U	- -	- -	- -	- -	<1.57 U	- -	- -	- -	- -
Zinc, Total	2000	7.57 J	- -	- -	- -	31.86 J	24.76 J	4.59 J	9.82 J	<17.05 U	3.76 J	7.57 J	- -	- -	9.35 J	- -	- -	- -	- -	<3.41 U	- -	- -	- -	- -
GENERAL CHEMISTRY																								
Cyanide, Total	200	<1 U	5	4 J	108	404	53	4 J	5130	392	<1 U	86	63	340	4 J	- -	- -	667	851	7	150	7710	2610	- -
Nitrogen, Ammonia		-	179	286	6340	164000	1860	1480	431	129000	319	6940	6420	370	100	- -	- -	61300	156	1130	2640	4090	4140	- -

* Comparison is not performed on parameters with non-numeric criteria.
NY-AWQS: New York TOGS 1.1.1 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

Table 3D
Pre-Design Investigation Work Plan - Test Pits
Riverview Innovation Technology Campus, Inc.
Tonawanda, New York

ANALYTE			SAMPLE ID:		TP-BCP-53-04182023		TP-BCP-63-04182023		TP-BCP-64-04182023		TP-BCP-65-04182023	
			LAB ID:		L2321003-01		L2321003-02		L2321003-03		L2321003-04	
			COLLECTION DATE:		4/18/2023		4/19/2023		4/19/2023		4/19/2023	
			SAMPLE MATRIX:		SOIL		SOIL		SOIL		SOIL	
			DESCRIPTION:		NORTHWEST PROPERTY CORNER, NORTH RAIL		NEAR WELL CLUSTER MW-BCP-13		NEAR WELL CLUSTER MW-BCP-19		SOUTHEAST PROPERTY CORNER, MW-BCP-27A	
	Part 375 SCO Commercial	Part 375 SCO Industrial										
	(mg/kg)	(mg/kg)										
VOLATILE ORGANICS BY GC/MS												
1,1,1-Trichloroethane	500	1000	<0.00021	U	<0.0002	U	<0.00018	U	<0.00031	U		
1,1,2,2-Tetrachloroethane			<0.00021	U	<0.0002	U	<0.00018	U	<0.00031	U		
1,1,2-Trichloroethane			<0.00034	U	<0.00032	U	<0.00029	U	<0.0005	U		
1,1-Dichloroethane	240	480	<0.00018	U	<0.00018	U	<0.00016	U	<0.00027	U		
1,1-Dichloroethene	500	1000	<0.0003	U	<0.00029	U	<0.00026	U	<0.00044	U		
1,2,4-Trichlorobenzene			<0.00035	U	<0.00033	U	<0.00029	U	<0.00051	U		
1,2,4-Trimethylbenzene	190	380	<0.00043	U	0.0022	J	<0.00036	U	0.0035	J		
1,2-Dibromo-3-chloropropane			<0.0013	U	<0.0012	U	<0.0011	U	<0.0019	U		
1,2-Dibromoethane			<0.00036	U	<0.00034	U	<0.0003	U	<0.00052	U		
1,2-Dichlorobenzene	500	1000	<0.00018	U	<0.00017	U	<0.00015	U	<0.00027	U		
1,2-Dichloroethane	30	60	<0.00033	U	<0.00031	U	<0.00028	U	<0.00048	U		
1,2-Dichloropropane			<0.00016	U	<0.00015	U	<0.00013	U	<0.00023	U		
1,3,5-Trimethylbenzene	190	380	<0.00025	U	0.0011	J	<0.00021	U	0.00081	J		
1,3-Dichlorobenzene	280	560	<0.00019	U	<0.00018	U	<0.00016	U	<0.00028	U		
1,4-Dichlorobenzene	130	250	<0.00022	U	<0.00021	U	<0.00018	U	<0.00032	U		
2-Butanone	500	1000	<0.0028	U	<0.0027	U	0.0049	J	<0.0042	U		
2-Hexanone			<0.0015	U	<0.0014	U	<0.0013	U	<0.0022	U		
4-Methyl-2-pentanone			<0.0016	U	<0.0016	U	<0.0014	U	<0.0024	U		
Acetone	500	1000	<0.0062	U	0.052		0.079		0.011	J		
Benzene	44	89	<0.00021	U	<0.0002	U	<0.00018	U	0.0093			
Bromodichloromethane			<0.00014	U	<0.00013	U	<0.00012	U	<0.0002	U		
Bromoform			<0.00031	U	<0.0003	U	<0.00026	U	<0.00046	U		
Bromomethane			<0.00074	U	<0.0007	U	<0.00062	U	<0.0011	U		
Carbon disulfide			<0.0058	U	<0.0055	U	<0.0049	U	<0.0085	U		
Carbon tetrachloride	22	44	<0.00029	U	<0.00028	U	<0.00025	U	<0.00043	U		
Chlorobenzene	500	1000	<0.00016	U	<0.00015	U	<0.00014	U	<0.00024	U		
Chloroethane			<0.00058	U	<0.00055	U	<0.00048	U	<0.00084	U		
Chloroform	350	700	<0.00018	U	<0.00017	U	<0.00015	U	<0.00026	U		
Chloromethane			<0.0012	U	<0.0011	U	<0.001	U	<0.0017	U		
cis-1,2-Dichloroethene	500	1000	<0.00022	U	<0.00021	U	<0.00019	U	<0.00033	U		
cis-1,3-Dichloropropene			<0.0002	U	<0.00019	U	<0.00017	U	<0.0003	U		
Cyclohexane			<0.0007	U	<0.00066	U	<0.00058	U	<0.001	U		
Dibromochloromethane			<0.00018	U	<0.00017	U	<0.00015	U	<0.00026	U		
Dichlorodifluoromethane			<0.0012	U	<0.0011	U	<0.00098	U	<0.0017	U		
Ethylbenzene	390	780	<0.00018	U	0.0047		0.00081	J	0.002			
Freon-113			<0.00089	U	<0.00084	U	<0.00074	U	<0.0013	U		
Isopropylbenzene			<0.00014	U	0.0023		0.00016	J	0.00074	J		
Methyl Acetate			<0.0012	U	<0.0012	U	<0.001	U	<0.0018	U		
Methyl cyclohexane			<0.00077	U	<0.00073	U	<0.00065	U	<0.0011	U		
Methyl tert butyl ether	500	1000	<0.00026	U	<0.00024	U	<0.00022	U	<0.00038	U		
Methylene chloride	500	1000	<0.0029	U	<0.0028	U	<0.0025	U	<0.0043	U		
n-Butylbenzene	500	1000	<0.00021	U	0.00077	J	<0.00018	U	<0.00031	U		
n-Propylbenzene	500	1000	<0.00022	U	0.0017		<0.00018	U	0.0011	J		
Naphthalene	500	1000	<0.00083	U	0.013		0.0021	J	0.057			
o-Xylene			<0.00037	U	0.0032		0.0034		0.0034			
p-Isopropyltoluene			<0.00014	U	0.00024	J	0.00024	J	<0.0002	U		
p/m-Xylene			<0.00072	U	0.0011	J	0.001	J	0.004			
sec-Butylbenzene	500	1000	<0.00019	U	<0.00018	U	<0.00016	U	<0.00027	U		
Styrene			<0.00025	U	<0.00024	U	<0.00021	U	0.0009	J		
tert-Butylbenzene	500	1000	<0.00015	U	<0.00014	U	<0.00013	U	<0.00022	U		
Tetrachloroethene	150	300	<0.00025	U	<0.00024	U	<0.00021	U	<0.00037	U		
Toluene	500	1000	<0.00069	U	<0.00066	U	<0.00058	U	0.0022			
trans-1,2-Dichloroethene	500	1000	<0.00018	U	<0.00016	U	<0.00015	U	<0.00026	U		
trans-1,3-Dichloropropene			<0.00035	U	<0.00033	U	<0.00029	U	<0.00051	U		
Trichloroethene	200	400	<0.00018	U	<0.00016	U	<0.00015	U	<0.00026	U		
Trichlorofluoromethane			<0.00089	U	<0.00084	U	<0.00075	U	<0.0013	U		
Vinyl chloride	13	27	<0.00043	U	<0.0004	U	<0.00036	U	<0.00063	U		
Total VOCs			-	-	0.08231	-	0.09161	-	0.09595	-		

Table 3D
Pre-Design Investigation Work Plan - Test Pits
Riverview Innovation Technology Campus, Inc.
Tonawanda, New York

ANALYTE	Part 375 SCO Commercial	Part 375 SCO Industrial	SAMPLE ID:	TP-BCP-53-04182023		TP-BCP-63-04182023		TP-BCP-64-04182023		TP-BCP-65-04182023	
			LAB ID:	L2321003-01		L2321003-02		L2321003-03		L2321003-04	
			COLLECTION DATE:	4/18/2023		4/19/2023		4/19/2023		4/19/2023	
			SAMPLE MATRIX:	SOIL		SOIL		SOIL		SOIL	
			DESCRIPTION:	NORTHWEST PROPERTY CORNER, NORTH RAIL		NEAR WELL CLUSTER MW-BCP-13		NEAR WELL CLUSTER MW-BCP-19		SOUTHEAST PROPERTY CORNER, MW-BCP-27A	
	(mg/kg)	(mg/kg)									
PERFLUORINATED ALKYL ACIDS BY EPA 1633											
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)			<0.000384	U	-	-	-	-	-	-
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)			<0.000277	U	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)			<0.000082	U	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)			<0.000099	U	-	-	-	-	-	-
Perfluorobutanesulfonic Acid (PFBS)			<0.000043	U	-	-	-	-	-	-
Perfluorobutanoic Acid (PFBA)			<0.00005	U	-	-	-	-	-	-
Perfluorodecanesulfonic Acid (PFDS)			<0.000032	U	-	-	-	-	-	-
Perfluorodecanoic Acid (PFDA)			<0.000075	U	-	-	-	-	-	-
Perfluorododecanoic Acid (PFDoA)			<0.00004	U	-	-	-	-	-	-
Perfluoroheptanesulfonic Acid (PFHpS)			<0.000036	U	-	-	-	-	-	-
Perfluoroheptanoic Acid (PFHpA)			<0.000023	U	-	-	-	-	-	-
Perfluorohexanesulfonic Acid (PFHxS)			<0.000059	U	-	-	-	-	-	-
Perfluorohexanoic Acid (PFHxA)			<0.000046	U	-	-	-	-	-	-
Perfluorononanoic Acid (PFNA)			<0.000078	U	-	-	-	-	-	-
Perfluorooctanesulfonamide (PFOSA)			<0.000043	U	-	-	-	-	-	-
Perfluorooctanesulfonic Acid (PFOS)			<0.000078	U	-	-	-	-	-	-
Perfluorooctanoic Acid (PFOA)			<0.000052	U	-	-	-	-	-	-
Perfluoropentanoic Acid (PFPeA)			<0.000056	U	-	-	-	-	-	-
Perfluorotetradecanoic Acid (PFTeDA)			<0.000105	U	-	-	-	-	-	-
Perfluorotridecanoic Acid (PFTrDA)			<0.000052	U	-	-	-	-	-	-
Perfluoroundecanoic Acid (PFUnA)			<0.000051	U	-	-	-	-	-	-
PFOA/PFOS, Total			<0.000052	U	-	-	-	-	-	-
SEMIVOLATILE ORGANICS BY GC/MS											
1,2,4,5-Tetrachlorobenzene			<0.022	U	<0.021	U	<0.022	U	<0.035	U
2,3,4,6-Tetrachlorophenol			<0.042	U	<0.041	U	<0.042	U	<0.067	U
2,4,5-Trichlorophenol			<0.04	U	<0.039	U	<0.039	U	<0.064	U
2,4,6-Trichlorophenol			<0.04	U	<0.038	U	<0.039	U	<0.063	U
2,4-Dichlorophenol			<0.034	U	<0.032	U	<0.033	U	<0.053	U
2,4-Dimethylphenol			<0.069	U	<0.067	U	<0.068	U	<0.11	U
2,4-Dinitrophenol			<0.097	U	<0.094	U	<0.096	U	<0.16	U
2,4-Dinitrotoluene			<0.042	U	<0.04	U	<0.041	U	<0.066	U
2,6-Dinitrotoluene			<0.036	U	<0.035	U	<0.035	U	<0.057	U
2-Chloronaphthalene			<0.021	U	<0.02	U	<0.02	U	<0.033	U
2-Chlorophenol			<0.025	U	<0.024	U	<0.024	U	<0.039	U
2-Methylnaphthalene			<0.025	U	<0.024	U	<0.025	U	9.4	
2-Methylphenol	500	1000	<0.032	U	<0.031	U	<0.032	U	0.057	J
2-Nitroaniline			<0.04	U	<0.039	U	<0.04	U	<0.064	U
2-Nitrophenol			<0.079	U	<0.076	U	<0.077	U	<0.12	U
3,3'-Dichlorobenzidine			<0.056	U	<0.054	U	<0.055	U	<0.088	U
3-Methylphenol/4-Methylphenol	500	1000	<0.033	U	<0.032	U	<0.032	U	0.17	J
3-Nitroaniline			<0.039	U	<0.038	U	<0.039	U	<0.063	U
4,6-Dinitro-o-cresol			<0.1	U	<0.097	U	<0.099	U	<0.16	U
4-Bromophenyl phenyl ether			<0.032	U	<0.031	U	<0.031	U	<0.051	U
4-Chloroaniline			<0.038	U	<0.037	U	<0.038	U	<0.06	U
4-Chlorophenyl phenyl ether			<0.022	U	<0.022	U	<0.022	U	<0.036	U
4-Nitroaniline			<0.087	U	<0.084	U	<0.085	U	<0.14	U
4-Nitrophenol			<0.085	U	<0.083	U	<0.084	U	<0.14	U
Acenaphthene	500	1000	<0.022	U	1.4		<0.021	U	2	
Acenaphthylene	500	1000	<0.032	U	1.9		<0.032	U	19	
Acetophenone			<0.026	U	<0.025	U	<0.026	U	0.068	J
Anthracene	500	1000	<0.041	U	3.8		<0.04	U	21	
Atrazine			<0.073	U	<0.071	U	<0.072	U	<0.12	U
Benzaldehyde			<0.056	U	<0.055	U	<0.056	U	<0.09	U
Benzo(a)anthracene	5.6	11	<0.024	U	3.5		<0.023	U	28	
Benzo(a)pyrene	1	1.1	<0.051	U	2.9		<0.05	U	29	
Benzo(b)fluoranthene	5.6	11	<0.035	U	3.3		<0.035	U	32	
Benzo(ghi)perylene	500	1000	<0.025	U	1.5		<0.024	U	16	
Benzo(k)fluoranthene	56	110	<0.033	U	1.3		<0.033	U	9.2	
Biphenyl			<0.027	U	1.3		<0.027	U	3.3	
Bis(2-chloroethoxy)methane			<0.021	U	<0.02	U	<0.021	U	<0.033	U
Bis(2-chloroethyl)ether			<0.028	U	<0.027	U	<0.028	U	<0.045	U
Bis(2-chloroisopropyl)ether			<0.036	U	<0.035	U	<0.035	U	<0.057	U
Bis(2-ethylhexyl)phthalate			<0.072	U	<0.07	U	<0.071	U	<0.12	U
Butyl benzyl phthalate			<0.053	U	<0.051	U	<0.052	U	<0.084	U
Caprolactam			<0.064	U	<0.062	U	<0.063	U	<0.1	U
Carbazole			<0.02	U	1.4		<0.02	U	8.1	
Chrysene	56	110	<0.022	U	3.1		<0.021	U	29	
Di-n-butylphthalate			<0.04	U	<0.038	U	<0.039	U	<0.063	U
Di-n-octylphthalate			<0.071	U	<0.069	U	<0.07	U	<0.11	U
Dibenzo(a,h)anthracene	0.56	1.1	<0.024	U	0.43		<0.024	U	3.4	
Dibenzofuran	350	1000	<0.02	U	3.3		<0.019	U	12	
Diethyl phthalate			<0.019	U	<0.019	U	<0.019	U	<0.031	U
Dimethyl phthalate			<0.044	U	<0.042	U	<0.043	U	<0.07	U
Fluoranthene	500	1000	<0.024	U	11		<0.024	U	93	
Fluorene	500	1000	<0.02	U	4.5		<0.02	U	20	
Hexachlorobenzene	6	12	<0.023	U	<0.023	U	<0.023	U	<0.037	U
Hexachlorobutadiene			<0.031	U	<0.03	U	<0.03	U	<0.049	U
Hexachlorocyclopentadiene			<0.19	U	<0.18	U	<0.19	U	<0.3	U
Hexachloroethane			<0.034	U	<0.033	U	<0.033	U	<0.054	U
Indeno(1,2,3-cd)pyrene	5.6	11	<0.029	U	1.9		<0.029	U	18	
Isophorone			<0.027	U	<0.026	U	<0.027	U	<0.043	U
n-Nitrosodi-n-propylamine			<0.032	U	<0.031	U	0.1	J	<0.051	U
Naphthalene	500	1000	<0.025	U	0.13	J	<0.025	U	19	
NDPA/DPA			<0.024	U	<0.023	U	<0.023	U	<0.038	U
Nitrobenzene			<0.031	U	<0.03	U	<0.03	U	<0.049	U
p-Chloro-m-cresol			<0.031	U	<0.03	U	<0.031	U	<0.05	U
Pentachlorophenol	6.7	55	<0.046	U	<0.044	U	<0.045	U	<0.073	U
Phenanthrene	500	1000	<0.025	U	17		<0.025	U	100	
Phenol	500	1000	<0.032	U	<0.03	U	<0.031	U	0.12	J
Pyrene	500	1000	<0.021	U	6.4		<0.02	U	70	
Total SVOCs			-	-	63.26	-	0.1	-	437.815	-

Table 3D
Pre-Design Investigation Work Plan - Test Pits
Riverview Innovation Technology Campus, Inc.
Tonawanda, New York

ANALYTE	Part 375 SCO Commercial	Part 375 SCO Industrial	SAMPLE ID:		TP-BCP-63-04182023		TP-BCP-64-04182023		TP-BCP-65-04182023	
			LAB ID:		L2321003-02		L2321003-03		L2321003-04	
			COLLECTION DATE:		4/19/2023		4/19/2023		4/19/2023	
			SAMPLE MATRIX:		SOIL		SOIL		SOIL	
			DESCRIPTION:		NEAR WELL CLUSTER MW-BCP-13		NEAR WELL CLUSTER MW-BCP-19		SOUTHEAST PROPERTY CORNER, MW-BCP-27A	
	(mg/kg)	(mg/kg)								
CHLORINATED HERBICIDES BY GC										
2,4,5-T			<0.0066	U	-		-		<0.0102	U
2,4,5-TP (Silvex)	500	1000	<0.00566	U	-		-		<0.00871	U
2,4-D			<0.0134	U	-		-		<0.0206	U
ORGANOCHLORINE PESTICIDES BY GC										
4,4'-DDD	92	180	<0.000688	U	-		-		<0.0011	U
4,4'-DDE	62	120	<0.000446	U	-		-		<0.000713	U
4,4'-DDT	47	94	<0.00155	U	-		-		<0.00248	U
Aldrin	0.68	1.4	<0.000679	U	-		-		<0.00109	U
Alpha-BHC	3.4	6.8	<0.000228	U	-		-		<0.000365	U
Beta-BHC	3	14	<0.000731	U	-		-		<0.00117	U
Chlordane			<0.00639	U	-		-		<0.0102	U
cis-Chlordane	24	47	<0.000672	U	-		-		<0.00107	U
Delta-BHC	500	1000	<0.000378	U	-		-		<0.000604	U
Dieldrin	1.4	2.8	<0.000602	U	-		-		<0.000964	U
Endosulfan I	200	920	<0.000455	U	-		-		<0.000729	U
Endosulfan II	200	920	<0.000644	U	-		-		<0.00103	U
Endosulfan sulfate	200	920	<0.000382	U	-		-		<0.000612	U
Endrin	89	410	<0.000329	U	-		-		<0.000527	U
Endrin aldehyde			<0.000843	U	-		-		<0.00135	U
Endrin ketone			<0.000496	U	-		-		<0.000794	U
Heptachlor	15	29	<0.000432	U	-		-		<0.000692	U
Heptachlor epoxide			<0.00108	U	-		-		<0.00174	U
Lindane	9.2	23	<0.000359	U	-		-		<0.000575	U
Methoxychlor			<0.00112	U	-		-		<0.0018	U
Toxaphene			<0.0101	U	-		-		<0.0162	U
trans-Chlordane			<0.000636	U	-		-		<0.00102	U
POLYCHLORINATED BIPHENYLS BY GC										
Aroclor 1016	1	25	<0.00525	U	-		-		<0.00859	U
Aroclor 1221	1	25	<0.00593	U	-		-		<0.00969	U
Aroclor 1232	1	25	<0.0125	U	-		-		<0.0205	U
Aroclor 1242	1	25	<0.00797	U	-		-		<0.013	U
Aroclor 1248	1	25	<0.00887	U	-		-		0.054	J
Aroclor 1254	1	25	<0.00647	U	-		-		0.0359	J
Aroclor 1260	1	25	<0.0109	U	-		-		<0.0179	U
Aroclor 1262	1	25	<0.00751	U	-		-		<0.0123	U
Aroclor 1268	1	25	<0.00613	U	-		-		<0.01	U
TOTAL METALS										
Aluminum, Total			18800		17000		16400		2960	
Antimony, Total			<0.368	U	<0.36	U	<0.365	U	0.654	J
Arsenic, Total	16	16	7.66		5.6		6		3.4	
Barium, Total	400	10000	159		185		132		62.1	
Beryllium, Total	590	2700	0.979		0.796		0.686		<0.05	U
Cadmium, Total	9.3	60	<0.095	U	<0.093	U	<0.094	U	<0.149	U
Calcium, Total			3980		16800		37600		3020	
Chromium, Total			24.6		22.2		20.8		5.96	
Cobalt, Total			13.8		12.4		13.3		1.36	J
Copper, Total	270	10000	22.5		24.6		23		22.8	
Iron, Total			32900		26700		28600		9270	
Lead, Total	1000	3900	12.1		12.3		11.6		67.3	
Magnesium, Total			6430		9700		13400		415	
Manganese, Total	10000	10000	644		880		1110		18.4	
Mercury, Total	2.8	5.7	<0.053	U	<0.057	U	<0.053	U	<0.087	U
Nickel, Total	310	10000	34.5		29.2		29		8.73	
Potassium, Total			1400		1440		1660		1110	
Selenium, Total	1500	6800	<0.25	U	<0.244	U	<0.248	U	<0.393	U
Silver, Total	1500	6800	<0.274	U	<0.268	U	<0.272	U	<0.431	U
Sodium, Total			99.9	J	125	J	152	J	112	J
Thallium, Total			<0.305	U	<0.298	U	<0.302	U	<0.48	U
Vanadium, Total			34		29.3		28.6		7.2	
Zinc, Total	10000	10000	79.6		69.3		69.4		8.85	
GENERAL CHEMISTRY										
Cyanide, Total	27	10000	<0.26	U	<0.25	U	0.66	J	2.3	
Nitrogen, Ammonia			-		24		100		150	
Solids, Total			77.9		80.8		79.5		49.8	

* 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:
U - Not detected at the reported detection limit for the sample.
J - Presumptive evidence of compound.
Bold - Compound is detected
Red Highlight - Exceeds NYS Part 375 Industrical SCOs
Green Highlight - Exceeds NYS Part 375 Commercial SCOs

Table 4D
Pre-Design Investigation Work Plan - Surface Surface Sample Results(Baselines for Bench Scale Testing)
Riverview Innovation Technology Campus Inc.
Tonawanda, New York

DRAFT

ANALYTE	EPA TCLP	Part 375 SCOs Commerical	Part 375 SCOs Industrial	Units	Sample ID:	SS-BCP-21-07182023		SS-BCP-22-07182023		SS-BCP-23-07182023		SS-BCP-24-07182023		SS-BCP-25-07182023		SS-BCP-26 (GRAB)		SS-BCP-26 (COMPOSITE)		SS-BCP-27		SS-BCP-28	
					Lab Report:	L2341132		L2341132		L2341132		L2341132		L2341132		L2324292, L2332797		L2324292, L2332797		L2324292, L2332797		L2324292, L2332797	
					Collection Date:	7/18/2023		7/18/2023		7/18/2023		7/18/2023		7/18/2023		5/2/2023		5/2/2023		5/2/2023		5/2/2023	
					Description:	Below Light Oil Area Slab		Below Weak Ammonia Tank Slab		Below Exhauster Building Slab		Below Tar Management Secondary Containment		Below Pump House Slab		Iron Oxide Pile		Iron Oxide Pile		Tar Seep 2		Blue Stained Fill	
Volatile Organics by GC/MS																							
1,1,1-Trichloroethane	-	500	1000	mg/kg		<0.013	U	<0.12	U	<0.12	U	<0.28	U	<0.3	U	-	-	-	-	<3.4	U	-	-
1,1,2,2-Tetrachloroethane	-	-	-	mg/kg		<0.013	U	<0.12	U	<0.12	U	<0.28	U	<0.3	U	-	-	-	-	<3.4	U	-	-
1,1,2-Trichloroethane	-	-	-	mg/kg		<0.02	U	<0.2	U	<0.2	U	<0.44	U	<0.47	U	-	-	-	-	<6.8	U	-	-
1,1-Dichloroethane	-	240	480	mg/kg		<0.011	U	<0.11	U	<0.11	U	<0.24	U	<0.26	U	-	-	-	-	<6.8	U	-	-
1,1-Dichloroethene	-	500	1000	mg/kg		<0.018	U	<0.18	U	<0.18	U	<0.4	U	<0.42	U	-	-	-	-	<6.8	U	-	-
1,2,3-Trichlorobenzene	-	-	-	mg/kg		<0.025	U	<0.24	U	<0.24	U	<0.53	U	<0.57	U	-	-	-	-	<14	U	-	-
1,2,4-Trichlorobenzene	-	-	-	mg/kg		<0.021	U	<0.2	U	<0.2	U	<0.45	U	<0.48	U	-	-	-	-	<14	U	-	-
1,2-Dibromo-3-chloropropane	-	-	-	mg/kg		<0.076	U	<0.74	U	<0.74	U	<1.6	U	<1.8	U	-	-	-	-	<20	U	-	-
1,2-Dibromoethane	-	-	-	mg/kg		<0.021	U	<0.21	U	<0.21	U	<0.46	U	<0.5	U	-	-	-	-	<6.8	U	-	-
1,2-Dichlorobenzene	-	500	1000	mg/kg		<0.011	U	<0.11	U	<0.11	U	<0.24	U	<0.26	U	-	-	-	-	<14	U	-	-
1,2-Dichloroethane	-	30	60	mg/kg		<0.02	U	<0.19	U	<0.19	U	<0.43	U	<0.46	U	-	-	-	-	<6.8	U	-	-
1,2-Dichloropropane	-	-	-	mg/kg		<0.0096	U	<0.092	U	<0.093	U	<0.21	U	<0.22	U	-	-	-	-	<6.8	U	-	-
1,3-Dichlorobenzene	-	280	560	mg/kg		<0.011	U	<0.11	U	<0.11	U	<0.24	U	<0.26	U	-	-	-	-	<14	U	-	-
1,4-Dichlorobenzene	-	130	250	mg/kg		<0.013	U	<0.13	U	<0.13	U	<0.28	U	<0.3	U	-	-	-	-	<14	U	-	-
1,4-Dioxane	-	130	250	mg/kg		<2.7	U	<26	U	<26	U	<58	U	<62	U	-	-	-	-	<540	U	-	-
2-Butanone	-	500	1000	mg/kg		<0.17	U	<1.6	U	<1.6	U	<3.7	U	<3.9	U	-	-	-	-	<68	U	-	-
2-Hexanone	-	-	-	mg/kg		<0.09	U	<0.87	U	<0.88	U	<2	U	<2.1	U	-	-	-	-	<68	U	-	-
4-Methyl-2-pentanone	-	-	-	mg/kg		<0.098	U	<0.95	U	<0.95	U	<2.1	U	<2.3	U	-	-	-	-	<68	U	-	-
Acetone	-	500	1000	mg/kg		<0.37	U	<3.6	U	<3.6	U	<8	U	<8.6	U	-	-	-	-	<68	U	-	-
Benzene	-	44	89	mg/kg		71		17		16		120		71		-	-	-	-	13		-	-
Bromochloromethane	-	-	-	mg/kg		<0.016	U	<0.15	U	<0.15	U	<0.34	U	<0.36	U	-	-	-	-	<14	U	-	-
Bromodichloromethane	-	-	-	mg/kg		<0.0083	U	<0.081	U	<0.081	U	<0.18	U	<0.19	U	-	-	-	-	<3.4	U	-	-
Bromoform	-	-	-	mg/kg		<0.019	U	<0.18	U	<0.18	U	<0.41	U	<0.44	U	-	-	-	-	<27	U	-	-
Bromomethane	-	-	-	mg/kg		<0.044	U	<0.43	U	<0.43	U	<0.96	U	<1	U	-	-	-	-	<14	U	-	-
Carbon disulfide	-	-	-	mg/kg		<0.35	U	<3.4	U	<3.4	U	<7.6	U	<8.1	U	-	-	-	-	<68	U	-	-
Carbon tetrachloride	-	22	44	mg/kg		<0.018	U	<0.17	U	<0.17	U	<0.38	U	<0.41	U	-	-	-	-	<6.8	U	-	-
Chlorobenzene	-	500	1000	mg/kg		<0.0097	U	<0.094	U	<0.094	U	<0.21	U	<0.22	U	-	-	-	-	<3.4	U	-	-
Chloroethane	-	-	-	mg/kg		<0.034	U	<0.33	U	<0.34	U	<0.75	U	<0.8	U	-	-	-	-	<14	U	-	-
Chloroform	-	350	700	mg/kg		<0.011	U	<0.1	U	<0.1	U	<0.23	U	<0.25	U	-	-	-	-	<10	U	-	-
Chloromethane	-	-	-	mg/kg		<0.071	U	<0.69	U	<0.69	U	<1.5	U	<1.6	U	-	-	-	-	<27	U	-	-
cis-1,2-Dichloroethene	-	500	1000	mg/kg		<0.013	U	<0.13	U	<0.13	U	<0.29	U	<0.31	U	-	-	-	-	<6.8	U	-	-
cis-1,3-Dichloropropene	-	-	-	mg/kg		<0.012	U	<0.12	U	<0.12	U	<0.26	U	<0.28	U	-	-	-	-	<3.4	U	-	-
Cyclohexane	-	-	-	mg/kg		0.074	J	<0.4	U	<0.4	U	<0.9	U	<0.97	U	-	-	-	-	<68	U	-	-
Dibromochloromethane	-	-	-	mg/kg		<0.011	U	<0.1	U	<0.1	U	<0.23	U	<0.25	U	-	-	-	-	<6.8	U	-	-
Dichlorodifluoromethane	-	-	-	mg/kg		<0.07	U	<0.68	U	<0.68	U	<1.5	U	<1.6	U	-	-	-	-	<68	U	-	-
Ethylbenzene	-	390	780	mg/kg		14		1.7		1.5		10		6.7		-	-	-	-	<6.8	U	-	-
Freon-113	-	-	-	mg/kg		<0.053	U	<0.51	U	<0.52	U	<1.2	U	<1.2	U	-	-	-	-	<27	U	-	-
Isopropylbenzene	-	-	-	mg/kg		0.62		<0.081	U	0.091	J	1	J	0.61	J	-	-	-	-	<6.8	U	-	-
Methyl Acetate	-	-	-	mg/kg		0.19	J	1.5	J	<0.71	U	<1.6	U	<1.7	U	-	-	-	-	<27	U	-	-
Methyl cyclohexane	-	-	-	mg/kg		0.19	J	<0.45	U	0.58	J	1.6	J	<1.1	U	-	-	-	-	<27	U	-	-
Methyl tert butyl ether	-	500	1000	mg/kg		<0.015	U	<0.15	U	<0.15	U	<0.33	U	<0.36	U	-	-	-	-	<14	U	-	-
Methylene chloride	-	500	1000	mg/kg		<0.18	U	<1.7	U	<1.7	U	<3.8	U	<4.1	U	-	-	-	-	<34	U	-	-
o-Xylene	-	-	-	mg/kg		4.8		6.1		12		55		22		-	-	-	-	4.5	J	-	-
p/m-Xylene	-	-	-	mg/kg		22		25		35		150		74		-	-	-	-	10	J	-	-
Styrene	-	-	-	mg/kg		2		7.2		7.3		22		27		-	-	-	-	4.2	J	-	-
Tetrachloroethene	-	150	300	mg/kg		0.068		<0.14	U	<0.14	U	0.64	J	<0.35	U	-	-	-	-	<3.4	U	-	-
Toluene	-	500	1000	mg/kg		13		17		20		83		56		-	-	-	-	9.3		-	-
trans-1,2-Dichloroethene	-	500	1000	mg/kg		<0.01	U	<0.1	U	<0.1	U	<0.23	U	<0.24	U	-	-	-	-	<10	U	-	-
trans-1,3-Dichloropropene	-	-	-	mg/kg		<0.021	U	<0.2	U	<0.2	U	<0.45	U	<0.48	U	-	-	-	-	<6.8	U	-	-
Trichloroethene	-	200	400	mg/kg		<0.01	U	<0.1	U	<0.1	U	<0.23	U	<0.24	U	-	-	-	-	<3.4	U	-	-
Trichlorofluoromethane	-	-	-	mg/kg		<0.053	U	<0.51	U	<0.52	U	<1.2	U	<1.2	U	-	-	-	-	<27	U	-	-
Vinyl chloride	-	13	27	mg/kg		<0.026	U	<0.25	U	<0.25	U	<0.56	U	<0.6	U	-	-	-	-	<6.8	U	-	-
	-	-	-			127.942	-	75.5	-	92.471	-	443.24	-	257.31	-								
Semivolatile Organics by GC/MS																							
1,2,4,5-Tetrachlorobenzene	-	-	-	mg/kg		<0.46	U	<6.7	U	<14	U	<4.5	U	<2.8	U	<0.27	U	-	-	<70	U	<2.5	U
2,3,4,6-Tetrachlorophenol	-	-	-	mg/kg		<0.89	U	<13	U	<26	U	<8.7	U	<5.3	U	0.63		-	-	<70	U	<2.5	U
2,4,5-Trichlorophenol	-	-	-	mg/kg		<0.84	U	<12	U	<25	U	<8.3	U	<5.1	U	<0.27	U	-	-	<70	U	<2.5	U
2,4,6-Trichlorophenol	-	-	-	mg/kg		<0.84	U	<12	U	<24	U	<8.2	U	<5	U	<0.16	U	-	-	<42	U	<1.5	U
2,4-Dichlorophenol	-	-	-	mg/kg		<0.71	U	<10	U	<21	U	<7	U	<4.2	U	<0.24	U	-	-	<63	U	<2.3	U
2,4-Dimethylphenol	-	-	-	mg/kg		<1.4	U	<21	U	120	J	24	J	160		<0.27	U	-	-	67	J	<2.5	U
2,4-Dinitrophenol	-	-	-	mg/kg		<2	U	<30	U	<60	U	<20	U	<12	U	<1.3	U	-	-	<340	U	<12	U
2,4-Dinitrotoluene	-	-	-	mg/kg		<0.88	U	<13	U	<26	U	<8.6	U	<5.3	U	<0.27	U	-	-	<70	U	<2.5	U
2,6-Dinitrotoluene	-	-	-	mg/kg		<0.76	U	<11	U	<22	U	<7.4	U	<4.5	U	<0.27	U	-	-	<70	U	<2.5	U
2-Chloronaphthalene	-	-	-	mg/kg		<0.44	U	<6.4	U	<13	U	<4.3	U	<2.6	U	<0.27	U	-	-	<70	U	<2.5	U
2-Chlorophenol	-	-	-	mg/kg		<0.52	U	<7.6	U	<15	U	<5.1	U	<3.1	U	<0.27	U	-	-	<70	U	<2.5	U
2-Methylnaphthalene	-	-	-	mg/kg		50		590		1600		410		2500		3.2		-	-	2900		2.3	J
2-Methylphenol	-	500	1000	mg/kg		<0.68	U	16	J	190		18	J	260		0.14	J	-	-	86		<2.5	U
2-Nitroaniline	-	-	-	mg/kg		<0.85	U	<12	U	<25	U	<8.3	U	<5.1	U	<0.27	U	-	-	<70	U	<2.5	U
2-Nitrophenol	-	-	-	mg/kg		<1.6	U	<24	U	<49	U	<16	U	<9.9	U	<0.58	U	-	-	<150	U	<5.5	U
3,3'-Dichlorobenzidine	-	-	-	mg/kg		<1.2	U	<17	U	<34	U	<11	U	<7	U	<0.27	U	-	-	<70	U	<2.5	U
3-Methylphenol/4-Methylphenol	-	500	1000	mg/kg		0.95	J	39	J	360		42	J	690		0.57		-	-	230		<3.6	U
3-Nitroaniline	-	-	-	mg/kg		<0.83	U	<12	U	<24	U	<8.2	U	<5	U	<0.27	U	-	-	<70	U	<2.5	U
4,6-Dinitro-o-cresol	-	-	-	mg/kg		<2.1	U	<31	U	<62	U	<21	U	<13	U	<0.69	U	-	-	<180	U	<6.6	U
4-Bromophenyl phenyl ether	-	-	-	mg/kg		<0.67	U	<9.8	U	<20	U	<6.6	U	<4	U	<0.27	U	-	-	<70	U	<2.5	U
4-Chloroaniline	-	-	-	mg/kg		<0.8	U	<12	U	<24	U	<7.9	U	<4.8	U	<0.27	U	-	-	<70	U	<2.5	U
4-Chlorophenyl phenyl ether	-	-	-	mg/kg		<0.47	U	<6.9	U	<14	U	<4.6	U	<2.8	U	<0.27	U	-	-	<70	U	<2.5	U
4-Nitroaniline	-	-	-	mg/kg		<1.8	U	<26	U	<54	U	<18	U	<11	U	<0.27	U	-	-	<70	U	<2.5	U
4-Nitrophenol	-	-	-	mg/kg		<1.8	U	<26	U	<53	U	<18	U	<11	U	<0.37	U	-	-	<98	U	<3.5	U
Acenaphthene	-	500	1000	mg/kg		33		79		<13	U	54		470		0.1	J	-	-	430		1.2	J
Acenaphthylene	-	500	1000	mg/kg		5.9		980		1400		420		3600		1		-	-	6600		2.6	
Acetophenone	-	-	-	mg/kg		<0.54	U	<8	U	<16	U	<5.4	U	<3.3	U	0.91		-	-	<70	U	0.46	J
Anthracene	-	500	1000	mg/kg		9.9		490		1000		460		2900		0.2		-	-	4500		4.2	
Atrazine	-	-	-	mg/kg		<1.5	U	<22	U	<45	U	<15	U	<9.2	U	<0.21	U	-	-	<56	U	<2	U
Benzaldehyde	-	-	-	mg/kg		<1.2	U	<17	U	<35	U	<12	U	<7.1	U	0.54		-	-	<92	U	<3.3	U
Benzo(a)anthracene	-	5.6	11	mg/kg		22		810		880		560		2400		3.7		-	-	4100		22	
Benzo(a)pyrene	-	1	1.1	mg/kg		12		580		570		490		2100		2.6		-	-	4000		25	
Benzo(b)fluoranthene	-	5.6	11	mg/kg		20		750		750		640		2600		6.9		-	-	4500		32	
Benzo(ghi)perylene	-	500	1000	mg/kg		7		280		220		290		970		4.2		-	-	2100		16	
Benzo(k)fluoranthene	-	56	110	mg/kg		4.9		250		210		120		450		2.2		-	-	1300		12	
Biphenyl	-	-	-	mg/kg		6.5	J	150		230	J	83	J	520		1.3		-	-	880		0.71	J

Table 4D
Pre-Design Investigation Work Plan - Surface Surface Sample Results(Baselines for Bench Scale Testing)
Riverview Innovation Technology Campus Inc.
Tonawanda, New York

DRAFT

ANALYTE				Sample ID:	SS-BCP-21-07182023		SS-BCP-22-07182023		SS-BCP-23-07182023		SS-BCP-24-07182023		SS-BCP-25-07182023		SS-BCP-26 (GRAB)		SS-BCP-26 (COMPOSITE)		SS-BCP-27		SS-BCP-28	
				Lab Report:	L2341132		L2341132		L2341132		L2341132		L2341132		L2324292, L2332797		L2324292, L2332797		L2324292, L2332797		L2324292, L2332797	
				Collection Date:	7/18/2023		7/18/2023		7/18/2023		7/18/2023		7/18/2023		5/2/2023		5/2/2023		5/2/2023		5/2/2023	
				Description:	Below Light Oil Area Slab		Below Weak Ammonia Tank Slab		Below Exhauster Building Slab		Below Tar Management Secondary Containment		Below Pump House Slab		Iron Oxide Pile		Iron Oxide Pile		Tar Seep 2		Blue Stained Fill	
	EPA TCLP	Part 375 SCOs Commerical	Part 375 SCOs Industrial	Units																		
Bis(2-chloroethoxy)methane	-	-	-	mg/kg	<0.44	U	<6.4	U	<13	U	<4.3	U	<2.6	U	<0.29	U	-	-	<75	U	<2.7	U
Bis(2-chloroethyl)ether	-	-	-	mg/kg	<0.6	U	<8.7	U	<18	U	<5.9	U	<3.6	U	<0.24	U	-	-	<63	U	<2.3	U
Bis(2-chloroisopropyl)ether	-	-	-	mg/kg	<0.75	U	<11	U	<22	U	<7.4	U	<4.5	U	<0.32	U	-	-	<84	U	<3	U
Bis(2-ethylhexyl)phthalate	-	-	-	mg/kg	<1.5	U	<22	U	<45	U	<15	U	<9.1	U	<0.27	U	-	-	<70	U	<2.5	U
Butyl benzyl phthalate	-	-	-	mg/kg	<1.1	U	<16	U	<33	U	<11	U	<6.7	U	<0.27	U	-	-	<70	U	<2.5	U
Caprolactam	-	-	-	mg/kg	<1.3	U	<20	U	<39	U	<13	U	<8	U	<0.27	U	-	-	<70	U	<2.5	U
Carbazole	-	-	-	mg/kg	**3.5**	J	**370**		**560**		**320**		**1600**		**0.044**	J	-	-	**2300**		**2**	J
Chrysene	-	56	110	mg/kg	**20**		**680**		**860**		**540**		**2800**		**4.8**		-	-	**3700**		**22**	
Di-n-butylphthalate	-	-	-	mg/kg	<0.84	U	<12	U	<24	U	<8.2	U	<5	U	<0.27	U	-	-	<70	U	<2.5	U
Di-n-octylphthalate	-	-	-	mg/kg	<1.5	U	<22	U	<44	U	<15	U	<9	U	<0.27	U	-	-	<70	U	<2.5	U
Dibenzo(a,h)anthracene	-	0.56	1.1	mg/kg	**1.9**	J	**100**		**79**		**60**		**320**		**1.1**		-	-	**440**		**3.6**	
Dibenzofuran	-	350	1000	mg/kg	**17**		**700**		**790**		**350**		**2000**		**3.9**		-	-	**3600**		**2.6**	
Diethyl phthalate	-	-	-	mg/kg	<0.41	U	<5.9	U	<12	U	<4	U	<2.4	U	<0.27	U	-	-	<70	U	<2.5	U
Dimethyl phthalate	-	-	-	mg/kg	<0.92	U	<13	U	<27	U	<9.1	U	<5.6	U	<0.27	U	-	-	<70	U	<2.5	U
Fluoranthene	-	500	1000	mg/kg	**46**		**1600**		**2000**		**1500**		**6400**		**5.4**		-	-	**13000**		**32**	
Fluorene	-	500	1000	mg/kg	**21**		**1200**		**1200**		**600**		**3200**		**0.18**	J	-	-	**5000**		**1.6**	J
Hexachlorobenzene	-	6	12	mg/kg	<0.49	U	<7.2	U	<14	U	<4.8	U	<3	U	<0.16	U	-	-	<42	U	<1.5	U
Hexachlorobutadiene	-	-	-	mg/kg	<0.64	U	<9.4	U	<19	U	<6.3	U	<3.9	U	<0.27	U	-	-	<70	U	<2.5	U
Hexachlorocyclopentadiene	-	-	-	mg/kg	<4	U	<58	U	<120	U	<39	U	<24	U	<0.76	U	-	-	<200	U	<7.2	U
Hexachloroethane	-	-	-	mg/kg	<0.71	U	<10	U	<21	U	<7	U	<4.3	U	<0.21	U	-	-	<56	U	<2	U
Indeno(1,2,3-cd)pyrene	-	5.6	11	mg/kg	**8**		**320**		**270**		**310**		**1400**		**4**		-	-	**2600**		**20**	
Isophorone	-	-	-	mg/kg	<0.57	U	<8.3	U	<17	U	<5.6	U	<3.4	U	<0.24	U	-	-	<63	U	<2.3	U
n-Nitrosodi-n-propylamine	-	-	-	mg/kg	<0.68	U	<9.9	U	<20	U	<6.7	U	<4.1	U	<0.27	U	-	-	<70	U	<2.5	U
Naphthalene	-	500	1000	mg/kg	**390**		**2000**		**10000**		**2600**		**14000**		**52**		-	-	**25000**		**9.9**	
NDPA/DPA	-	-	-	mg/kg	<0.5	U	<7.3	U	<15	U	<4.9	U	<3	U	<0.21	U	-	-	<56	U	<2	U
Nitrobenzene	-	-	-	mg/kg	<0.65	U	<9.5	U	<19	U	<6.4	U	<3.9	U	<0.24	U	-	-	<63	U	<2.3	U
p-Chloro-m-cresol	-	-	-	mg/kg	<0.66	U	<9.6	U	<19	U	<6.4	U	<3.9	U	<0.27	U	-	-	<70	U	<2.5	U
Pentachlorophenol	-	6.7	55	mg/kg	<0.97	U	<14	U	<28	U	<9.5	U	<5.8	U	**9.6**		-	-	<56	U	<2	U
Phenanthrene	-	500	1000	mg/kg	**37**		**4500**		**2900**		**2100**		**9100**		**2.5**		-	-	**17000**		**19**	
Phenol	-	500	1000	mg/kg	**0.71**	J	**16**	J	**200**		**22**	J	**610**		**1.8**		-	-	**140**		<2.5	U
Pyrene	-	500	1000	mg/kg	**38**		**1100**		**1300**		**1000**		**4200**		**3.6**		-	-	**9300**		**26**	
Total SVOCs	-	-	-		**755.26**	-	**16000**	-	**27689**	-	**12413**	-	**41750**	-								
Total Metals																						
Aluminum, Total	-	-	-	mg/kg	**5970**		**3160**		**1970**		**3190**		**5580**		**593**		-	-	**373**		**683**	
Antimony, Total	-	-	-	mg/kg	<0.402	U	**0.474**	J	<0.397	U	<0.392	U	<0.417	U	**8.55**		-	-	<4.72	U	**7.82**	
Arsenic, Total	-	16	16	mg/kg	**5.65**		**7.32**		**4.84**		**10.6**		**9.49**		**7.92**		-	-	**6.26**		**8.02**	
Barium, Total	-	400	10000	mg/kg	**60**		**78.8**		**49.4**		**27.8**		**65.4**		**17**		-	-	**8.84**		**14.8**	
Beryllium, Total	-	590	2700	mg/kg	**0.484**	J	**0.281**	J	**0.335**	J	**0.246**	J	**0.296**	J	**0.045**	J	-	-	**0.099**	J	**0.078**	J
Cadmium, Total	-	9.3	60	mg/kg	**0.195**	J	**1.02**		**0.314**	J	**2.19**		**3.29**		**0.125**	J	-	-	<0.943	U	**0.219**	J
Calcium, Total	-	-	-	mg/kg	**41500**		**35000**		**11500**		**8440**		**30500**		**24200**		-	-	**518**		**1110**	
Chromium, Total	-	-	-	mg/kg	**6.34**		**42.3**		**16.4**		**26.6**		**17.6**		**35.9**		-	-	**1.78**		**7.23**	
Cobalt, Total	-	-	-	mg/kg	**3.17**		**3.47**		**2.75**		**3.16**		**4.31**		**2.71**		-	-	**0.388**	J	**0.822**	J
Copper, Total	-	270	10000	mg/kg	**19.9**		**53.4**		**17.9**		**44.1**		**34.6**		**298**		-	-	**1.99**		**71**	
Iron, Total	-	-	-	mg/kg	**16500**		**23700**		**5140**		**20600**		**18100**		**32700**		-	-	**498**		**25200**	
Lead, Total	-	1000	3900	mg/kg	**159**		**152**		**25.8**		**264**		**969**		**592**		-	-	**9.59**		**604**	
Magnesium, Total	-	-	-	mg/kg	**3010**		**9410**		**821**		**3330**		**5690**		**194**		-	-	**36.7**		**616**	
Manganese, Total	-	10000	10000	mg/kg	**559**		**315**		**93.4**		**232**		**503**		**174**		-	-	**8.15**		**64.5**	
Mercury, Total	-	2.8	5.7	mg/kg	**11.5**		**1.14**		**3**		**0.399**		**2.12**		**0.863**		-	-	<0.083	U	**12.5**	
Nickel, Total	-	310	10000	mg/kg	**7.22**		**14.9**		**6.35**		**13.5**		**18**		**23.4**		-	-	**1.83**	J	**7.35**	
Potassium, Total	-	-	-	mg/kg	**619**		**405**		**257**	J	**422**		**402**		**99.6**	J	-	-	**48.6**	J	**1270**	
Selenium, Total	-	1500	6800	mg/kg	**0.908**	J	**0.829**	J	**1.18**	J	**1.74**	J	**4.09**		**3.02**		-	-	**2.04**		**1.51**	J
Silver, Total	-	1500	6800	mg/kg	<0.299	U	<0.281	U	<0.296	U	<0.292	U	<0.31	U	<0.621	U	-	-	<0.472	U	**0.822**	
Sodium, Total	-	-	-	mg/kg	**226**		**453**		**77.1**	J	**154**	J	**96.8**	J	**99.6**	J	-	-	**27**	J	**650**	
Thallium, Total	-	-	-	mg/kg	**0.922**	J	**0.751**	J	**0.785**	J	**1.16**	J	**1.05**	J	<2.48	U	-	-	<1.89	U	<2.37	U
Vanadium, Total	-	-	-	mg/kg	**11.5**		**6.23**		**5.06**		**7.08**		**11.9**		**4.07**		-	-	**1.71**		**2.4**	
Zinc, Total	-	10000	10000	mg/kg	**40.7**		**164**		**36.3**		**215**		**201**		**44**		-	-	**4.96**		**68.1**	

Table 4D
Pre-Design Investigation Work Plan - Surface Surface Sample Results(Baselines for Bench Scale Testing)
Riverview Innovation Technology Campus Inc.
Tonawanda, New York

DRAFT

ANALYTE				Sample ID:	SS-BCP-21-07182023		SS-BCP-22-07182023		SS-BCP-23-07182023		SS-BCP-24-07182023		SS-BCP-25-07182023		SS-BCP-26 (GRAB)		SS-BCP-26 (COMPOSITE)		SS-BCP-27		SS-BCP-28	
				Lab Report:	L2341132		L2341132		L2341132		L2341132		L2341132		L2324292, L2332797		L2324292, L2332797		L2324292, L2332797		L2324292, L2332797	
				Collection Date:	7/18/2023		7/18/2023		7/18/2023		7/18/2023		7/18/2023		5/2/2023		5/2/2023		5/2/2023		5/2/2023	
				Description:	Below Light Oil Area Slab		Below Weak Ammonia Tank Slab		Below Exhauster Building Slab		Below Tar Management Secondary Containment		Below Pump House Slab		Iron Oxide Pile		Iron Oxide Pile		Tar Seep 2		Blue Stained Fill	
	EPA TCLP	Part 375 SCOs Commerical	Part 375 SCOs Industrial	Units																		
General Chemistry																						
Cyanide, Total	-	27	10000	mg/kg	**4.3**		**1.4**		**0.87**	J	**2.7**		**2.5**		-	-	**22**		**1.7**		**640**	
Nitrogen, Ammonia	-	-	-	mg/kg	**250**		**76**		**440**		**920**		**350**		-	-	-	-	**15**		**2100**	
Cyanide, Reactive	-	-	-	mg/kg	<10	U	<10	U	<10	U	<10	U	<10	U	-	-	-	-	-	-	-	-
Sulfide, Reactive	-	-	-	mg/kg	**340**		<10	U	<10	U	<10	U	**31**		-	-	-	-	-	-	-	-
pH	-	-	-	SU	**8.06**		**8.39**		**8.55**		**8.42**		**8.77**		-	-	-	-	-	-	-	-
Ignitability of Solids	-	-	-	mm/sec	NI		NI		NI		NI		NI		-	-	-	-	-	-	-	-
Solids, Total	-	-	-	%	**73.5**		**77.7**		**75.5**		**76.4**		**72.2**		**61.9**		**56.8**		**83.6**		**64.6**	
TCLP VOLATILES BY EPA 1311																						
1,1-Dichloroethene	0.7	-	-	mg/L	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U	<0.020	U	-	-	-	-	-	-	-	-
1,2-Dichloroethane	0.5	-	-	mg/L	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.020	U	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	7.5	-	-	mg/L	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	NS		-	-	-	-	-	-	-	-
2-Butanone	200	-	-	mg/L	<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.100	U	-	-	-	-	-	-	-	-
Benzene	0.5	-	-	mg/L	**1.6**		**0.2**		**0.21**		**0.5**		**0.985**		-	-	-	-	-	-	-	-
Carbon tetrachloride	0.5	-	-	mg/L	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.020	U	-	-	-	-	-	-	-	-
Chlorobenzene	100	-	-	mg/L	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.020	U	-	-	-	-	-	-	-	-
Chloroform	6	-	-	mg/L	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.020	U	-	-	-	-	-	-	-	-
Tetrachloroethene	0.7	-	-	mg/L	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.020	U	-	-	-	-	-	-	-	-
Trichloroethene	0.5	-	-	mg/L	**0.0022**	J	<0.0018	U	<0.0018	U	<0.0018	U	<0.020	U	-	-	-	-	-	-	-	-
Vinyl chloride	0.2	-	-	mg/L	<0.00071	U	<0.00071	U	<0.00071	U	<0.00071	U	<0.020	U	-	-	-	-	-	-	-	-
TCLP SEMIVOLATILES BY EPA 1311																						
2,4,5-Trichlorophenol	400	-	-	mg/L	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.038	U	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	2	-	-	mg/L	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U	<0.049	U	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	0.13	-	-	mg/L	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.038	U	-	-	-	-	-	-	-	-
2-Methylphenol	200	-	-	mg/L	**0.007**	J	**0.9**		**1**		**2.9**		**8.2**		-	-	-	-	-	-	-	-
3-Methylphenol/4-Methylphenol	200	-	-	mg/L	**0.011**	J	**2**		**1.5**		**7**		**23**		-	-	-	-	-	-	-	-
Hexachlorobenzene	0.13	-	-	mg/L	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.069	U	-	-	-	-	-	-	-	-
Hexachlorobutadiene	0.5	-	-	mg/L	<0.003	U	<0.003	U	<0.003	U	<0.003	U	<0.06	U	-	-	-	-	-	-	-	-
Hexachloroethane	3	-	-	mg/L	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.044	U	-	-	-	-	-	-	-	-
Nitrobenzene	2	-	-	mg/L	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U	<0.066	U	-	-	-	-	-	-	-	-
Pentachlorophenol	100	-	-	mg/L	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U	<0.2	U	-	-	-	-	-	-	-	-
Pyridine	5	-	-	mg/L	<0.0045	U	**0.0072**	J	**0.011**	J	**0.0078**	J	<0.09	U	-	-	-	-	-	-	-	-
TCLP HERBICIDES BY EPA 1311																						
2,4,5-TP (Silvex)	1	-	-	mg/L	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	-	-	-	-	-	-	-	-
2,4-D	10	-	-	mg/L	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	-	-	-	-	-	-	-	-
TCLP PESTICIDES BY EPA 1311																						
Chlordane	0.03	-	-	mg/L	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U	-	-	-	-	-	-	-	-
Endrin	0.02	-	-	mg/L	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	-	-	-	-	-	-	-	-
Heptachlor	0.008	-	-	mg/L	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U	-	-	-	-	-	-	-	-
Heptachlor epoxide	0.008	-	-	mg/L	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	-	-	-	-	-	-	-	-
Lindane	0.4	-	-	mg/L	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U	-	-	-	-	-	-	-	-
Methoxychlor	10	-	-	mg/L	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U	-	-	-	-	-	-	-	-
Toxaphene	0.5	-	-	mg/L	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U	-	-	-	-	-	-	-	-
TCLP METALS BY EPA 1311																						
Arsenic	5	-	-	mg/L	<0.019	U	<0.019	U	<0.019	U	**0.029**	J	<0.019	U	-	-	-	-	-	-	-	-
Barium	100	-	-	mg/L	**0.394**	J	**0.365**	J	**0.566**		**0.479**	J	**0.627**		-	-	-	-	-	-	-	-
Cadmium	1	-	-	mg/L	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	-	-	-	-	-	-	-	-
Chromium	5	-	-	mg/L	<0.021	U	<0.021	U	<0.021	U	<0.021	U	<0.021	U	-	-	-	-	-	-	-	-
Lead	5	-	-	mg/L	<0.027	U	<0.027	U	<0.027	U	**0.0632**	J	0.0291	J	-	-	-	-	-	-	-	-
Mercury	0.2	-	-	mg/L	**0.0005**	J	**0.0008**	J	**0.0007**	J	<0.0005	U	**0.0007**	J	-	-	-	-	-	-	-	-
Selenium	1	-	-	mg/L	<0.035	U	<0.035	U	<0.035	U	<0.035	U	<0.035	U	-	-	-	-	-	-	-	-
Silver	5	-	-	mg/L	<0.028	U	<0.028	U	<0.028	U	<0.028	U	<0.028	U	-	-	-	-	-	-	-	-

* 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.

Notes:
NS = Not Sampled
NC = Not Calculable
NA = Sample collected, but not analyzed
"<" = Analyzed for but detected at or above the quantitation limit
J = Analyte detected below quantitation limit
Red Highlight = Exceeds Industrial SCOs or TCLP Limits
Green Highlight = Exceeds Commercial SCOs
Bold = Analyte was detected

ANALYTE	SAMPLE ID:		SS-BCP-27		SS-BCP-27-02-06012023		SS-BCP-27-03-06012023		SS-BCP-27-05-06012023		SS-BCP-27-06-06012023	
	LAB REPORT:		L2324292, L2332797		L2330702, 232727		L2330702, 232727		L2330702, 232727		L2330702, 232727	
	COLLECTION DATE:		5/2/2023		6/1/2023		6/1/2023		6/1/2023		6/1/2023	
	DESCRIPTION:		Tar Seep 2 Baseline (No Stabilization Reagent Added)		Tar Seep 2 10% Portland, 10% Breeze		Tar Seep 2, 15% Portland, 10% Breeze		Tar Seep 2 10% LKD, 10% Breeze		Tar Seep 2 15% LKD, 10% Breeze	
	EPA-TCLP (mg/L)	NY Part 375 Class GA Standards (mg/L)	TAR SEEP 2 (DID NOT SEND 5% - 5% MIXTURES)									
VOLATILE ORGANICS 8260D												
Benzene (mg/kg)	-		**13**		NS		NS		NS		NS	
TCLP VOLATILES BY EPA 1311												
1,1-Dichloroethene	0.7	0.005	<0.0017	U	<0.020	U	<0.020	U	<0.020	U	<0.020	U
1,2-Dichloroethane	0.5	0.005	<0.0013	U	<0.020	U	<0.020	U	<0.020	U	<0.020	U
1,4-Dichlorobenzene	7.5	0.003	<0.0019	U	NS		NS		NS		NS	
2-Butanone	200	-	<0.019	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U
Benzene	0.5	0.001	**0.061**	J	**0.0254**		**0.0475**		**0.0686**		**0.0658**	
Carbon tetrachloride	0.5	0.005	<0.0013	U	<0.020	U	<0.020	U	<0.020	U	<0.020	U
Chlorobenzene	100	0.005	<0.0018	U	<0.020	U	<0.020	U	<0.020	U	<0.020	U
Chloroform	6	0.007	<0.0022	U	<0.020	U	<0.020	U	<0.020	U	<0.020	U
Tetrachloroethene	0.7	0.005	<0.0018	U	<0.020	U	<0.020	U	<0.020	U	<0.020	U
Trichloroethene	0.5	0.005	<0.0018	U	<0.020	U	<0.020	U	<0.020	U	<0.020	U
Vinyl chloride	0.2	0.002	<0.00071	U	<0.020	U	<0.020	U	<0.020	U	<0.020	U
TCLP SEMIVOLATILES BY EPA 1311												
2,4,5-Trichlorophenol	400	-	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2,4,6-Trichlorophenol	2	-	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U
2,4-Dinitrotoluene	0.13	0.005	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2-Methylphenol	200	-	**0.330**		**0.31**		**0.33**		**0.39**		**0.5**	
3-Methylphenol/4-Methylphenol	200	-	**0.890**		**0.89**		**0.95**		**1.2**		**1.5**	
Hexachlorobenzene	0.13	0.00004	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U
Hexachlorobutadiene	0.5	0.0005	<0.0030	U	<0.003	U	<0.003	U	<0.003	U	<0.003	U
Hexachloroethane	3	0.005	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U
Nitrobenzene	2	0.0004	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U
Pentachlorophenol	100	0.001	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U
Pyridine	5	-	<0.0045	U	<0.0045	U	<0.0045	U	<0.0045	U	<0.0045	U
TCLP HERBICIDES BY EPA 1311												
2,4,5-TP (Silvex)	1	0.00026	NS		<0.001	U	<0.001	U	<0.001	U	<0.001	U
2,4-D	10	0.050	NS		<0.001	U	<0.001	U	<0.001	U	<0.001	U
TCLP PESTICIDES BY EPA 1311												
Chlordane	0.03	0.00005	NS		<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U
Endrin	0.02	-	NS		<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U
Heptachlor	0.008	0.00004	NS		<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U
Heptachlor epoxide	0.008	0.00003	NS		<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U
Lindane	0.4	0.00005	NS		<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U
Methoxychlor	10	0.035	NS		<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U
Toxaphene	0.5	0.00006	NS		<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U
TCLP METALS BY EPA 1311												
Arsenic	5	0.025	NS		**0.0636**	J	**0.0475**	J	**0.0449**	J	**0.056**	J
Barium	100	1	NS		**0.234**	J	**0.204**	J	**0.0868**	J	**0.089**	J
Cadmium	1	0.005	NS		<0.01	U	<0.01	U	<0.01	U	<0.01	U
Chromium	5	0.050	NS		<0.021	U	**0.0268**	J	<0.021	U	<0.021	U
Lead	5	0.025	NS		<0.027	U	<0.027	U	**0.041**	J	<0.027	U
Mercury	0.2	0.0007	NS		<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U
Selenium	1	0.010	NS		<0.035	U	<0.035	U	<0.035	U	<0.035	U
Silver	5	0.05	NS		<0.028	U	<0.028	U	<0.028	U	<0.028	U
GENERAL CHEMISTRY												
Cyanide, Reactive (mg/kg)	-	-	NS		<10	U	<10	U	<10	U	<10	U
pH (H) (S.U)	-	-	NS		**11.1**		**11.2**		**11.2**		**11.7**	
Sulfide, Reactive (mg/kg)	-	-	NS		<10	U	<10	U	<10	U	<10	U
Cyanide, Total (mg/kg)	-		**1.7**		NS		NS		NS		NS	
Ammonia, as Nitrogen (mg/kg)	-	-	**15**		NS		NS		NS		NS	
IGNITABILITY OF SOLIDS												
Ignitability (mm/sec)			NS		NI		NI		NI		NI	

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
Yellow Highlight - Exceeds Class GA Groundwater Standards
Red Highligh - Exceeds EPA TCLP Standards

* Comparison is not performed on parameters with non-numeric criteria.
EPA-TCLP: EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria per 40CFR Part 261 as of September 10, 2015.

Table 6D
Pre-Design Investigation Work Plan - Light Oil Area
Riverview Innovation Technology Campus, Inc.
Tonawanda, New York

ANALYTE	SAMPLE ID:		SS-BCP-21-07182023		SS-BCP-21-02-07182023		SS-BCP-21-04-07182023		SS-BCP-21-06-07182023	
	LAB REPORT:		L2341132		L2341132		L2341132		L2341132	
	COLLECTION DATE:		7/18/2023		7/18/2023		7/18/2023		7/18/2023	
	DESCRIPTION:		Light Oil Area Baseline		LOA 10% Portland, 10% Breeze		LOA 5% LKD, 5% Breeze		LOA 15% LKD, 10% Breeze	
	EPA-TCLP (mg/L)	NY Part 375 Class GA Standards (mg/L)	LIGHT OIL AREA - BELOW LOA SECONDARY CONTAINMENT							
VOLATILE ORGANICS 8260D										
Benzene (mg/kg)	-		71		NS		NS		NS	
TCLP VOLATILES BY EPA 1311										
1,1-Dichloroethene	0.7	0.005	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U
1,2-Dichloroethane	0.5	0.005	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U
1,4-Dichlorobenzene	7.5	0.003	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2-Butanone	200	-	<0.019	U	<0.019	U	<0.019	U	<0.019	U
Benzene	0.5	0.001	1.6		0.077		0.098		0.050	
Carbon tetrachloride	0.5	0.005	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U
Chlorobenzene	100	0.005	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U
Chloroform	6	0.007	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U
Tetrachloroethene	0.7	0.005	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U
Trichloroethene	0.5	0.005	0.0022	J	<0.0018	U	<0.0018	U	<0.0018	U
Vinyl chloride	0.2	0.002	<0.00071	U	<0.00071	U	<0.00071	U	<0.00071	U
TCLP SEMIVOLATILES BY EPA 1311										
2,4,5-Trichlorophenol	400	-	<0.0019	U	<0.019	U	<0.0019	U	<0.0019	U
2,4,6-Trichlorophenol	2	-	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U
2,4-Dinitrotoluene	0.13	0.005	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2-Methylphenol	200	-	0.0070	J	<0.0055	U	<0.0055	U	<0.0055	U
3-Methylphenol/4-Methylphenol	200	-	0.011	J	0.0087	J	0.011	J	0.011	J
Hexachlorobenzene	0.13	0.00004	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U
Hexachlorobutadiene	0.5	0.0005	<0.0030	U	<0.0030	U	<0.0030	U	<0.0030	U
Hexachloroethane	3	0.005	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U
Nitrobenzene	2	0.0004	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U
Pentachlorophenol	100	0.001	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U
Pyridine	5	-	<0.0045	U	<0.0045	U	<0.0045	U	<0.0045	U
TCLP HERBICIDES BY EPA 1311										
2,4,5-TP (Silvex)	1	0.00026	<0.001	U	<0.001	U	<0.001	U	<0.001	U
2,4-D	10	0.050	<0.001	U	<0.001	U	<0.001	U	<0.001	U
TCLP PESTICIDES BY EPA 1311										
Chlordane	0.03	0.00005	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U
Endrin	0.02	-	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U
Heptachlor	0.008	0.00004	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U
Heptachlor epoxide	0.008	0.00003	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U
Lindane	0.4	0.00005	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U
Methoxychlor	10	0.035	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U
Toxaphene	0.5	0.00006	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U
TCLP METALS BY EPA 1311										
Arsenic	5	0.025	<0.0190	U	0.0294	J	<0.0190	U	0.0282	J
Barium	100	1	0.394	J	0.531		0.490	J	0.333	J
Cadmium	1	0.005	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U
Chromium	5	0.050	<0.0210	U	<0.0210	U	<0.0210	U	<0.0210	U
Lead	5	0.025	<0.0270	U	<0.0270	U	0.0330	J	<0.0270	U
Mercury	0.2	0.0007	0.0005	J	0.0007	J	0.0009	J	<0.0005	U
Selenium	1	0.010	<0.500	U	<0.0350	U	<0.0350	U	<0.0350	U
Silver	5	0.05	<0.0280	U	<0.0280	U	<0.0280	U	<0.0280	U
GENERAL CHEMISTRY										
Cyanide, Reactive (mg/kg)	-	-	<10	U	<10	U	<10	U	<10	U
pH (H) (S.U)	-	-	8.06		11.3		11.7		12.0	
Sulfide, Reactive (mg/kg)	-	-	340		<10	U	<10	U	<10	U
Cyanide, Total (mg/kg)	-		4.3		NS		NS		NS	
Ammonia as Nitrogen (mg/kg)	-	-	250		NS		NS		NS	
IGNITABILITY OF SOLIDS										
Ignitability (mm/sec)			NI		NI		NI		NI	

* Comparison is not performed on parameters with non-numeric criteria.

EPA-TCLP: EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria per 40CFR Part 261 as of September 10, 2015.

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
Yellow Highlight - Exceeds Class GA Groundwater Standards
Red Highligh - Exceeds EPA TCLP Standards

Table 7D
Pre-Design Investigation Work Plan - Weak Ammonia Liquor Area
Riverview Innovation Technology Campus, Inc.
Tonawanda, New York

ANALYTE	SAMPLE ID:		SS-BCP-22-07182023		SS-BCP-22-02-07182023		SS-BCP-22-04-07182023		SS-BCP-22-06-07182023	
	LAB REPORT:		L2341132		L2341132		L2341132, 233456		L2341132, 233456	
	COLLECTION DATE:		7/18/2023		7/18/2023		7/18/2023		7/18/2023	
	DESCRIPTION:		Weak Ammonia Liquor Baseline		LOA 10% Portland, 10% Breeze		LOA 5% LKD, 5% Breeze		LOA 15% LKD, 10% Breeze	
	EPA-TCLP (mg/l)	NY Part 375 Class GA Standards (mg/L)	WEAK AMMONIA LIQUOR AREA							
VOLATILE ORGANICS 8260D										
Benzene (mg/kg)	-		17		NS		NS		NS	
TCLP VOLATILES BY EPA 1311										
1,1-Dichloroethene	0.7	0.005	<0.0017	U	<0.0017	U	<0.0200	U	<0.0200	U
1,2-Dichloroethane	0.5	0.005	<0.0013	U	<0.0013	U	<0.0200	U	<0.0200	U
1,4-Dichlorobenzene	7.5	0.003	<0.0019	U	<0.0019	U	NS		NS	
2-Butanone	200	-	<0.019	U	<0.019	U	<0.100	U	<0.100	U
Benzene	0.5	0.001	0.200		0.130		0.138		0.0757	
Carbon tetrachloride	0.5	0.005	<0.0013	U	<0.0013	U	<0.0200	U	<0.0200	U
Chlorobenzene	100	0.005	<0.0018	U	<0.0018	U	<0.0200	U	<0.0200	U
Chloroform	6	0.007	<0.0022	U	<0.0022	U	<0.0200	U	<0.0200	U
Tetrachloroethene	0.7	0.005	<0.0018	U	<0.0018	U	<0.0200	U	<0.0200	U
Trichloroethene	0.5	0.005	<0.0018	U	<0.0018	U	<0.0200	U	<0.0200	U
Vinyl chloride	0.2	0.002	<0.00071	U	<0.00071	U	<0.0200	U	<0.0200	U
TCLP SEMIVOLATILES BY EPA 1311										
2,4,5-Trichlorophenol	400	-	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2,4,6-Trichlorophenol	2	-	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U
2,4-Dinitrotoluene	0.13	0.005	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2-Methylphenol	200	-	0.900		0.970		1.300		0.980	
3-Methylphenol/4-Methylphenol	200	-	2.000		2.500		3.400		1.900	
Hexachlorobenzene	0.13	0.00004	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U
Hexachlorobutadiene	0.5	0.0005	<0.0030	U	<0.0030	U	<0.0030	U	<0.0030	U
Hexachloroethane	3	0.005	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U
Nitrobenzene	2	0.0004	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U
Pentachlorophenol	100	0.001	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U
Pyridine	5	-	0.0072	J	<0.0045	U	<0.0045	U	<0.0045	U
TCLP HERBICIDES BY EPA 1311										
2,4,5-TP (Silvex)	1	0.00026	<0.001	U	<0.001	U	<0.001	U	<0.001	U
2,4-D	10	0.050	<0.001	U	<0.001	U	<0.001	U	<0.001	U
TCLP PESTICIDES BY EPA 1311										
Chlordane	0.03	0.00005	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U
Endrin	0.02	-	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U
Heptachlor	0.008	0.00004	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U
Heptachlor epoxide	0.008	0.00003	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U
Lindane	0.4	0.00005	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U
Methoxychlor	10	0.035	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U
Toxaphene	0.5	0.00006	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U
TCLP METALS BY EPA 1311										
Arsenic	5	0.025	<0.0190	U	<0.0190	U	<0.0190	U	<0.0190	U
Barium	100	1	0.365	J	0.308	J	0.300	J	0.178	J
Cadmium	1	0.005	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U
Chromium	5	0.050	<0.0210	U	<0.0210	U	<0.0210	U	<0.0210	U
Lead	5	0.025	<0.0270	U	<0.0270	U	<0.0270	U	<0.0270	U
Mercury	0.2	0.0007	0.0008	J	<0.0005	U	<0.0005	U	<0.0005	U
Selenium	1	0.010	<0.0350	U	0.0368	J	<0.0350	U	<0.0350	U
Silver	5	0.05	<0.0280	U	<0.0280	U	<0.0280	U	<0.0280	U
GENERAL CHEMISTRY										
Cyanide, Reactive (mg/kg)	-	-	<10	U	<10	U	<10	U	<10	U
pH (H) (S.U)	-	-	8.39		11.6		11.8		12.0	
Sulfide, Reactive (mg/kg)	-	-	<10	U	<10	U	<10	U	<10	U
Cyanide, Total (mg/kg)	-		1.4		NS		NS		NS	
Ammonia as Nitrogen (mg/kg)	-	-	76		NS		NS		NS	
IGNITABILITY OF SOLIDS										
Ignitability (mm/sec)			NI		NI		NI		NI	

* Comparison is not performed on parameters with non-numeric criteria.
EPA-TCLP: EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria per 40CFR Part 261 as of September 10, 2015.

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
Yellow Highlight - Exceeds Class GA Groundwater Standards
Red Highligh - Exceeds EPA TCLP Standards

Table 8D
Pre-Design Investigation Work Plan - Exhauster Building Area
Riverview Innovation Technology Campus, Inc.
Tonawanda, New York

ANALYTE	SAMPLE ID:		SS-BCP-23-07182023		SS-BCP-23-02-07182023		SS-BCP-23-04-07182023		SS-BCP-23-06-07182023	
	LAB REPORT:		L2341132		L2341132		L2341132		L2341132	
	COLLECTION DATE:		7/18/2023		7/18/2023		7/18/2023		7/18/2023	
	DESCRIPTION:		Exhauster Building Area Baseline		LOA 10% Portland, 10% Breeze		LOA 5% LKD, 5% Breeze		LOA 15% LKD, 10% Breeze	
	EPA-TCLP (mg/l)	NY Part 375 Class GA Standards (mg/L)	EXHAUSTER BUILDING AREA							
VOLATILE ORGANICS 8260D										
Benzene (mg/kg)	-		**16**		NS		NS		NS	
TCLP VOLATILES BY EPA 1311										
1,1-Dichloroethene	0.7	0.005	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U
1,2-Dichloroethane	0.5	0.005	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U
1,4-Dichlorobenzene	7.5	0.003	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2-Butanone	200	-	<0.019	U	<0.019	U	<0.019	U	<0.019	U
Benzene	0.5	0.001	**0.210**		**0.050**		**0.066**		**0.042**	
Carbon tetrachloride	0.5	0.005	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U
Chlorobenzene	100	0.005	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U
Chloroform	6	0.007	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U
Tetrachloroethene	0.7	0.005	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U
Trichloroethene	0.5	0.005	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U
Vinyl chloride	0.2	0.002	<0.00071	U	<0.00071	U	<0.00071	U	<0.00071	U
TCLP SEMIVOLATILES BY EPA 1311										
2,4,5-Trichlorophenol	400	-	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2,4,6-Trichlorophenol	2	-	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U
2,4-Dinitrotoluene	0.13	0.005	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2-Methylphenol	200	-	**1.000**		**1.000**		**1.300**		**1.400**	
3-Methylphenol/4-Methylphenol	200	-	**1.500**		**2.700**		**2.100**		**3.000**	
Hexachlorobenzene	0.13	0.00004	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U
Hexachlorobutadiene	0.5	0.0005	<0.0030	U	<0.0030	U	<0.0030	U	<0.0030	U
Hexachloroethane	3	0.005	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U
Nitrobenzene	2	0.0004	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U
Pentachlorophenol	100	0.001	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U
Pyridine	5	-	**0.011**	J	**0.0049**	J	**0.0058**	J	**0.0085**	J
TCLP HERBICIDES BY EPA 1311										
2,4,5-TP (Silvex)	1	0.00026	<0.001	U	<0.001	U	<0.001	U	<0.001	U
2,4-D	10	0.050	<0.001	U	<0.001	U	<0.001	U	<0.001	U
TCLP PESTICIDES BY EPA 1311										
Chlordane	0.03	0.00005	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U
Endrin	0.02	-	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U
Heptachlor	0.008	0.00004	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U
Heptachlor epoxide	0.008	0.00003	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U
Lindane	0.4	0.00005	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U
Methoxychlor	10	0.035	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U
Toxaphene	0.5	0.00006	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U
TCLP METALS BY EPA 1311										
Arsenic	5	0.025	<0.0190	U	**0.0279**	J	**0.0325**	J	**0.0352**	J
Barium	100	1	**0.566**		**0.444**	J	**0.354**	J	**0.261**	J
Cadmium	1	0.005	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U
Chromium	5	0.050	<0.0210	U	<0.0210	U	<0.0210	U	<0.0210	U
Lead	5	0.025	<0.0270	U	<0.0270	U	<0.0270	U	<0.0270	U
Mercury	0.2	0.0007	**0.0007**	J	<0.0005	U	<0.0005	U	<0.0005	U
Selenium	1	0.010	<0.0350	U	<0.0350	U	<0.0350	U	<0.0350	U
Silver	5	0.05	<0.0280	U	<0.0280	U	<0.0280	U	<0.0280	U
GENERAL CHEMISTRY										
Cyanide, Reactive (mg/kg)	-	-	<10	U	<10	U	<10	U	<10	U
pH (H) (S.U)	-	-	**8.55**		**11.6**		**11.9**		**12.2**	
Sulfide, Reactive (mg/kg)	-	-	<10	U	<10	U	<10	U	<10	U
Cyanide, Total (mg/kg)	-		**0.87**	J	NS		NS		NS	
Ammonia as Nitrogen (mg/kg)	-	-	**440**		NS		NS		NS	
IGNITABILITY OF SOLIDS										
Ignitability (mm/sec)			NI		NI		NI		NI	

* Comparison is not performed on parameters with non-numeric criteria.
EPA-TCLP: EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria per 40CFR Part 261 as of September 10, 2015.

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
Yellow Highlight - Exceeds Class GA Groundwater Standards
Red Highligh - Exceeds EPA TCLP Standards

Table 9D
Pre-Design Investigation Work Plan - Tar Management Area
Riverview Innovation Technology Campus, Inc.
Tonawanda, New York

ANALYTE			SAMPLE ID:		SS-BCP-24-07182023		SS-BCP-24-02-07182023		SS-BCP-24-04-07182023		SS-BCP-24-06-07182023		SS-BCP-24-07-10042023		SS-BCP-24-08-10042023		SS-BCP-24-09-10042023		SS-BCP-24-10-10042023		SS-BCP-24-11-10042023	
			LAB REPORT:		L2341132		L2341132		L2341132, 233456		L2341132		L2359212-09		L2359212-08, 234916		L2359212-07		L2359212-06		L2359212-05, 234916	
			COLLECTION DATE:		7/18/2023		7/18/2023		7/18/2023		7/18/2023		10/6/2023		10/6/2023		10/6/2023		10/6/2023		10/6/2023	
			DESCRIPTION:		Tar Management Area Baseline		Tar Management Area 10% Portland, 10% Breeze		Tar Management Area 5% LKD, 5% Breeze		Tar Management Area 15% LKD, 10% Breeze		Tar Management Area 10% LKD, 15% Breeze		Tar Management Area 15% LKD, 15% Breeze		Tar Management Area 20% LKD, 15% Breeze		Tar Management Area 15% LKD, 15% Sawdust		Tar Management Area 15% LKD, 0% Breeze	
	EPA-TCLP (mg/l)	NY Part 375 Class GA Standards (mg/L)	TAR MANAGEMENT AREA - BELOW SECONDARY CONTAINMENT																			
VOLATILE ORGANICS 8260D																						
Benzene (mg/kg)	-		120		NS		NS		NS		NS		NS		NS		NS		NS		NS	
TCLP VOLATILES BY EPA 1311																						
1,1-Dichloroethene	0.7	0.005	<0.0017	U	<0.0017	U	<0.0200	U	<0.0017	U	<0.0017	U	<0.0200	U	<0.0017	U	<0.0017	U	<0.0017	U	<0.0200	U
1,2-Dichloroethane	0.5	0.005	<0.0013	U	<0.0013	U	<0.0200	U	<0.0013	U	<0.0013	U	<0.0200	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0200	U
1,4-Dichlorobenzene	7.5	0.003	<0.0019	U	<0.0019	U	NS		<0.0019	U	<0.0019	U	NS		<0.0019	U	<0.0019	U	<0.0019	U	NS	
2-Butanone	200	-	<0.019	U	<0.019	U	<0.100	U	<0.019	U	<0.019	U	<0.100	U	<0.019	U	<0.019	U	<0.019	U	<0.100	U
Benzene	0.5	0.001	0.500		0.660		1.070		1.3		0.042		0.179		0.049		0.061		0.319			
Carbon tetrachloride	0.5	0.005	<0.0013	U	<0.0013	U	<0.0200	U	<0.0013	U	<0.0013	U	<0.0200	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0200	U
Chlorobenzene	100	0.005	<0.0018	U	<0.0018	U	<0.0200	U	<0.0018	U	<0.0018	U	<0.0200	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0200	U
Chloroform	6	0.007	<0.0022	U	<0.0022	U	<0.0200	U	<0.0022	U	<0.0022	U	<0.0200	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0200	U
Tetrachloroethene	0.7	0.005	<0.0018	U	<0.0018	U	<0.0200	U	<0.0018	U	<0.0018	U	<0.0200	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0200	U
Trichloroethene	0.5	0.005	<0.0018	U	<0.0018	U	<0.0200	U	<0.0018	U	<0.0018	U	<0.0200	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0200	U
Vinyl chloride	0.2	0.002	<0.00071	U	<0.00071	U	<0.0200	U	<0.00071	U	<0.00071	U	<0.0200	U	<0.00071	U	<0.00071	U	<0.00071	U	<0.0200	U
													92		64		90		88		36	
TCLP SEMIVOLATILES BY EPA 1311																						
2,4,5-Trichlorophenol	400	-	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2,4,6-Trichlorophenol	2	-	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U
2,4-Dinitrotoluene	0.13	0.005	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2-Methylphenol	200	-	2.900		2.300		3.500		3.900		1.8		0.24		0.92		0.68		0.45			
3-Methylphenol/4-Methylphenol	200	-	7.000		5.900		8.500		9.000		4.2		0.52		3.4		2.3		0.79			
Hexachlorobenzene	0.13	0.00004	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U
Hexachlorobutadiene	0.5	0.0005	<0.0030	U	<0.0030	U	<0.0030	U	<0.0030	U	<0.0030	U	<0.003	U	<0.003	U	<0.003	U	<0.003	U	<0.003	U
Hexachloroethane	3	0.005	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U
Nitrobenzene	2	0.0004	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U
Pentachlorophenol	100	0.001	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U
Pyridine	5	-	0.0078	J	<0.0045	U	<0.0045	U	<0.0045	U	<0.0045	U	<0.0045	U	<0.0045	U	<0.0045	U	<0.0045	U	0.005	J
TCLP HERBICIDES BY EPA 1311																						
2,4,5-TP (Silvex)	1	0.00026	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U
2,4-D	10	0.050	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U
TCLP PESTICIDES BY EPA 1311																						
Chlordane	0.03	0.00005	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U
Endrin	0.02	-	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U
Heptachlor	0.008	0.00004	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U
Heptachlor epoxide	0.008	0.00003	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U
Lindane	0.4	0.00005	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U
Methoxychlor	10	0.035	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U
Toxaphene	0.5	0.00006	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U
TCLP METALS BY EPA 1311																						
Arsenic	5	0.025	0.0290	J	<0.0190	U	0.0350	J	<0.0190	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U
Barium	100	1	0.479	J	0.267	J	0.182	J	0.146	J	0.274	J	0.072	J	0.133	J	0.236	J	0.0699	J		
Cadmium	1	0.005	<0.0100	U	<0.0100	U	<0.0100	U	<0.0100	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Chromium	5	0.050	<0.0210	U	<0.0210	U	<0.0210	U	<0.0210	U	<0.021	U	<0.021	U	<0.021	U	<0.021	U	<0.021	U	<0.021	U
Lead	5	0.025	0.0632	J	<0.0270	U	<0.0270	U	<0.0270	U	<0.027	U	<0.027	U	<0.027	U	<0.027	U	0.108	J		
Mercury	0.2	0.0007	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U
Selenium	1	0.010	<0.0350	U	<0.0350	U	<0.0350	U	<0.0350	U	<0.035	U	<0.035	U	<0.035	U	<0.035	U	<0.035	U	<0.035	U
Silver	5	0.05	<0.0280	U	<0.0280	U	<0.0280	U	<0.0280	U	<0.028	U	<0.028	U	<0.028	U	<0.028	U	<0.028	U	<0.028	U
GENERAL CHEMISTRY																						
Cyanide, Reactive (mg/kg)	-	-	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
pH (H) (S.U)	-	-	8.42		11.5		11.5		11.8		**12.2**		**12**		**12.4**		**12.4**		**12**			
Sulfide, Reactive (mg/kg)	-	-	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Cyanide, Total (mg/kg)	-	-	2.7		29		53		25		**30**		**31**		**7.9**		**8.9**		**28**			
Ammonia as Nitrogen (mg/kg)	-	-	920		9.9		150		20		**39**		**51**		**22**		**23**		**73**			
IGNITABILITY OF SOLIDS																						
Ignitability (mm/sec)	-	-	NI		NI		NI		NI		NI		NI		NI		NI		NI			

* Comparison is not performed on parameters with non-numeric criteria.
EPA-TCLP: EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria per 40CFR Part 261 as of September 10, 2015.

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
Yellow Highlight - Exceeds Class GA Groundwater Standards
Red Highlight - Exceeds EPA TCLP Standards

ANALYTE	SAMPLE ID:		CENTER-SUMP-10032023		EAST-SUMPS-10032023		TM-SUMPS-01-10042023		TM-SUMPS-02-10042023		TM-SUMPS-03-10042023		TM-SUMPS-04-10042023	
	LAB REPORT:		L2358080-02		L2358080-03		L2359212-01		L2359212-02		L2359212-03		L2359212-04	
	COLLECTION DATE:		10/3/2023		10/3/2023		10/6/2023		10/6/2023		10/6/2023		10/6/2023	
	DESCRIPTION:		Central Sump Baseline		Two Eastern Sumps Composite Baseline		East & Central Sumps Composite 10% LKD, 15% Breeze		East & Central Sumps Composite 15% LKD, 15% Breeze		East & Central Sumps Composite 20% LKD, 15% Breeze		East & Central Sumps Composite 15% LKD, 0% Breeze	
	EPA-TCLP (mg/l)	NY Part 375 Class GA Standards (mg/L)	TAR MANAGEMENT AREA - SUMPS											
VOLATILE ORGANICS 8260D														
Benzene (mg/kg)	-		**24**		**96**		NS		NS		NS		NS	
TCLP VOLATILES BY EPA 1311														
1,1-Dichloroethene	0.7	0.005	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U
1,2-Dichloroethane	0.5	0.005	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U
1,4-Dichlorobenzene	7.5	0.003	NS		NS		NS		NS		NS		NS	
2-Butanone	200	-	<0.100	U	<0.100	U	<0.100	U	<0.100	U	<0.100	U	<0.100	U
Benzene	0.5	0.001	**0.804**		**1.34**		**0.818**		**0.895**		**0.339**		**0.889**	
Carbon tetrachloride	0.5	0.005	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U
Chlorobenzene	100	0.005	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U
Chloroform	6	0.007	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U
Tetrachloroethene	0.7	0.005	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U
Trichloroethene	0.5	0.005	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U
Vinyl chloride	0.2	0.002	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U	<0.0200	U
TCLP SEMIVOLATILES BY EPA 1311														
2,4,5-Trichlorophenol	400	-	<0.038	U	<0.038	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2,4,6-Trichlorophenol	2	-	<0.049	U	<0.049	U	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U
2,4-Dinitrotoluene	0.13	0.005	<0.038	U	<0.038	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2-Methylphenol	200	-	**10**		**14**		**7.9**		**10**		**5.9**		**13**	
3-Methylphenol/4-Methylphenol	200	-	**28**		**39**		**19**		**25**		**14**		**29**	
Hexachlorobenzene	0.13	0.00004	<0.069	U	<0.069	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U
Hexachlorobutadiene	0.5	0.0005	<0.06	U	<0.06	U	<0.003	U	<0.003	U	<0.003	U	<0.003	U
Hexachloroethane	3	0.005	<0.044	U	<0.044	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U
Nitrobenzene	2	0.0004	<0.066	U	<0.066	U	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U
Pentachlorophenol	100	0.001	<0.2	U	<0.2	U	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U
Pyridine	5	-	**0.19**	J	0.44		**0.1**		<0.0045	U	0.061		0.022	
TCLP HERBICIDES BY EPA 1311														
2,4,5-TP (Silvex)	1	0.00026	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U
2,4-D	10	0.050	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U
TCLP PESTICIDES BY EPA 1311														
Chlordane	0.03	0.00005	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U
Endrin	0.02	-	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U
Heptachlor	0.008	0.00004	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U
Heptachlor epoxide	0.008	0.00003	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U
Lindane	0.4	0.00005	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U
Methoxychlor	10	0.035	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U
Toxaphene	0.5	0.00006	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U
TCLP METALS BY EPA 1311														
Arsenic	5	0.025	<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U
Barium	100	1	**0.235**	J	**0.119**	J	**0.147**	J	**0.142**	J	**0.103**	J	**0.113**	J
Cadmium	1	0.005	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Chromium	5	0.050	<0.021	U	<0.021	U	<0.021	U	<0.021	U	<0.021	U	<0.021	U
Lead	5	0.025	<0.027	U	<0.027	U	<0.027	U	<0.027	U	<0.027	U	<0.027	U
Mercury	0.2	0.0007	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U
Selenium	1	0.010	<0.035	U	<0.035	U	<0.035	U	<0.035	U	<0.035	U	<0.035	U
Silver	5	0.05	<0.028	U	<0.028	U	<0.028	U	<0.028	U	<0.028	U	<0.028	U
GENERAL CHEMISTRY														
Cyanide, Reactive (mg/kg)	-	-	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
pH (H) (S.U)	-	-	**8.06**		**9.08**		**11**		**11.7**		**11**		**11.5**	
Sulfide, Reactive (mg/kg)	-	-	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Cyanide, Total (mg/kg)	-		**7**		**14**		**36**		**20**		**13**		**27**	
Ammonia as Nitrogen (mg/kg)	-	-	NS		NS		**120**		**63**		**23**		**74**	
IGNITABILITY OF SOLIDS														
Ignitability (mm/sec)			NI		NI		NI		NI		NI		NI	

* Comparison is not performed on parameters with non-numeric criteria.

EPA-TCLP: EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria per 40CFR Part 261 as of September 10, 2015.

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

NS - Analyte not sampled

Bold - Compound is detected

Yellow Highlight - Exceeds Class GA Groundwater Standards

Red Highligh - Exceeds EPA TCLP Standards

Table 11D
Pre-Design Investigation Work Plan - Pump House Area
Riverview Innovation Technology Campus, Inc.
Tonawanda, New York

ANALYTE	SAMPLE ID:		SS-BCP-25-07182023		SS-BCP-25-02-08172023		BCP-PH-03-07062023		SS-BCP-25-05-08172023		BCP-PH-06-07062023	
	LAB REPORT:		L2341132, 233456		233748		L2338426, 232929		233748		L2338426, 232929	
	COLLECTION DATE:		7/18/2023		8/17/2023		7/6/2023		8/17/2023		7/6/2023	
	DESCRIPTION:		Pump House Baseline		Pump House 10% Portland, 10% Breeze		Pump House 15% Portland, 10% Breeze		Pump House 10% LKD, 10% Breeze		Pump House 15% LKD, 10% Breeze	
	EPA-TCLP (mg/l)	NY Part 375 Class GA Standards (mg/L)	PUMP HOUSE - BELOW SLAB									
VOLATILE ORGANICS 8260D												
Benzene (mg/kg)	-		**71**		NS		NS		NS		NS	
TCLP VOLATILES BY EPA 1311												
1,1-Dichloroethene	0.7	0.005	<0.020	U	<0.020	U	<0.020	U	<0.020	U	<0.200	U
1,2-Dichloroethane	0.5	0.005	<0.020	U	<0.020	U	<0.020	U	<0.020	U	<0.200	U
1,4-Dichlorobenzene	7.5	0.003	NS		NS		NS		NS		NS	
2-Butanone	200	-	<0.100	U	<0.100	U	<0.100	U	<0.100	U	<1.000	U
Benzene	0.5	0.001	**0.985**		<0.020	U	**0.183**		<0.020	U	<0.200	U
Carbon tetrachloride	0.5	0.005	<0.020	U	<0.020	U	<0.020	U	<0.020	U	<0.200	U
Chlorobenzene	100	0.005	<0.020	U	<0.020	U	<0.020	U	<0.020	U	<0.200	U
Chloroform	6	0.007	<0.020	U	<0.020	U	<0.020	U	<0.020	U	<0.200	U
Tetrachloroethene	0.7	0.005	<0.020	U	**0.0334**		<0.020	U	<0.020	U	<0.200	U
Trichloroethene	0.5	0.005	<0.020	U	<0.020	U	<0.020	U	<0.020	U	<0.200	U
Vinyl chloride	0.2	0.002	<0.020	U	<0.020	U	<0.020	U	<0.020	U	<0.200	U
TCLP SEMIVOLATILES BY EPA 1311												
2,4,5-Trichlorophenol	400	-	<0.038	U	<0.500	U	<0.038	U	<1.000	U	<0.038	U
2,4,6-Trichlorophenol	2	-	<0.049	U	<0.500	U	<0.049	U	<1.000	U	<0.049	U
2,4-Dinitrotoluene	0.13	0.005	<0.038	U	<0.500	U	<0.038	U	<1.000	U	<0.038	U
2-Methylphenol	200	-	**8.200**		-		**5.600**		-		**5.500**	
3-Methylphenol/4-Methylphenol	200	-	**23.000**		-		**13.000**		-		**12.000**	
Total Cresols (2,3,4-Methylphenol)	200	-	NS		**4.200**		NS		**8.000**		NS	
Hexachlorobenzene	0.13	0.00004	<0.069	U	<0.500	U	<0.069	U	<1.000	U	<0.069	U
Hexachlorobutadiene	0.5	0.0005	<0.060	U	<0.500	U	<0.060	U	<1.000	U	<0.060	U
Hexachloroethane	3	0.005	<0.044	U	<0.500	U	<0.044	U	<1.000	U	<0.044	U
Nitrobenzene	2	0.0004	<0.066	U	<0.500	U	<0.066	U	<1.000	U	<0.066	U
Pentachlorophenol	100	0.001	<0.200	U	<2.500	U	<0.200	U	<5.000	U	<0.200	U
Pyridine	5	-	<0.090	U	<1.000	U	**0.130**	J	<2.000	U	**0.150**	J
TCLP HERBICIDES BY EPA 1311												
2,4,5-TP (Silvex)	1	0.00026	<0.001	U	<0.10	U	<0.001	U	<0.050	U	<0.001	U
2,4-D	10	0.050	<0.001	U	<0.10	U	<0.001	U	<0.050	U	<0.001	U
TCLP PESTICIDES BY EPA 1311												
Chlordane	0.03	0.00005	<0.000232	U	<0.010	U	<0.000165	U	<0.010	U	<0.000165	U
Endrin	0.02	-	<0.000021	U	<0.0020	U	<0.000015	U	<0.0020	U	<0.000015	U
Heptachlor	0.008	0.00004	<0.000016	U	<0.0020	U	<0.000011	U	<0.0020	U	<0.000011	U
Heptachlor epoxide	0.008	0.00003	<0.000021	U	<0.0020	U	<0.000015	U	<0.0020	U	<0.000015	U
Lindane	0.4	0.00005	<0.000022	U	<0.0020	U	<0.000016	U	<0.0020	U	<0.000016	U
Methoxychlor	10	0.035	<0.000034	U	<0.010	U	<0.000024	U	<0.010	U	<0.000024	U
Toxaphene	0.5	0.00006	<0.000314	U	<0.020	U	<0.000224	U	<0.020	U	<0.000224	U
TCLP METALS BY EPA 1311												
Arsenic	5	0.025	<0.0190		<0.500	U	<0.0190	U	<0.500	U	**0.0355**	J
Barium	100	1	**0.627**		<0.500	U	**0.431**	J	<0.500	U	**0.216**	J
Cadmium	1	0.005	<0.0100		<0.0250	U	<0.0100	U	<0.0250	U	<0.0100	U
Chromium	5	0.050	<0.0210		<0.500	U	<0.0210	U	<0.500	U	<0.0210	U
Lead	5	0.025	**0.0291**	J	<0.500	U	<0.0270	U	<0.500	U	<0.0270	U
Mercury	0.2	0.0007	**0.0007**	J	<0.00200	U	<0.0005	U	<0.00200	U	<0.0005	U
Selenium	1	0.010	<0.0350		<0.200	U	<0.0350	U	<0.200	U	<0.0350	U
Silver	5	0.05	<0.0280		<0.500	U	<0.0280	U	<0.500	U	<0.0280	U
GENERAL CHEMISTRY												
Cyanide, Reactive (mg/kg)	-	-	<10	U	<1.0	U	<10	U	<1.0	U	<10	U
pH (H) (S.U)	-	-	**8.77**		**10.26**		**11.1**		**11.69**		**11.5**	
Sulfide, Reactive (mg/kg)	-	-	**31**		<10	U	<10	U	<10	U	<10	U
Cyanide, Total (mg/kg)	-		**2.5**		**24.9**		NS		**10.7**		NS	
Ammonia as Nitrogen (mg/kg)	-	-	**350**		<10.0	U	NS		<10.0	U	NS	
IGNITABILITY OF SOLIDS												
Ignitability (mm/sec)			NI		NI		NI		NI		NI	

Qualifiers:
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
U - Not detected at the reported detection limit for the sample.
NJ - Presumptive evidence of compound.
NI - Not Ignitable
Bold - Compound is detected
Yellow Highlight - Exceeds Class GA Groundwater Standards
Red Highlight - Exceeds EPA TCLP Standards

* Comparison is not performed on parameters with non-numeric criteria.
EPA-TCLP: EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria per 40CFR Part 261 as of September 10, 2015.

Table 12D
Pre-Design Investigation Work Plan - Iron Oxide Pile
Riverview Innovation Technology Campus, Inc.
Tonawanda, New York

ANALYTE			SAMPLE ID:		SS-BCP-01-05192023-26		SS-BCP-02-05192023-26		SS-BCP-03-05192023-26		SS-BCP-04-05192023-26		SS-BCP-05-05192023-26		SS-BCP-06-05192023-26	
			LAB ID:		L2328261-01		L2328261-02		L2328261-03		L2328261-04		L2328261-05		L2328261-06	
			COLLECTION DATE:		5/19/2023		5/19/2023		5/19/2023		5/19/2023		5/19/2023		5/19/2023	
			DESCRIPTION:		Iron Oxide 5% Portland, 5% Breeze		Iron Oxide 10% Portland, 10% Breeze		Iron Oxide 15% Portland, 10% Breeze		Iron Oxide 5% LKD, 5% Breeze		Iron Oxide 10% LKD, 10% Breeze		Iron Oxide15% LKD, 10% Breeze	
	EPA-TCLP (mg/L)	NY Part 375 Class GA Standards (mg/L)	IRON OXIDE PILE													
TCLP VOLATILES BY EPA 1311																
1,1-Dichloroethene	0.7	0.005	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U
1,2-Dichloroethane	0.5	0.005	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U
1,4-Dichlorobenzene	7.5	0.003	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2-Butanone	200	-	<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U
Benzene	0.5	0.001	**0.002**	J	<0.0016	U	<0.0016	U	<0.0016	U	<0.0016	U	<0.0016	U	<0.0016	U
Carbon tetrachloride	0.5	0.005	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U
Chlorobenzene	100	0.005	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U
Chloroform	6	0.007	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U
Tetrachloroethene	0.7	0.005	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U
Trichloroethene	0.5	0.005	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U
Vinyl chloride	0.2	0.002	<0.00071	U	<0.00071	U	<0.00071	U	<0.00071	U	<0.00071	U	<0.00071	U	<0.00071	U
SUM	-	-	**0.002**	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP SEMIVOLATILES BY EPA 1311																
2,4,5-Trichlorophenol	400	-	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2,4,6-Trichlorophenol	2	-	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U
2,4-Dinitrotoluene	0.13	0.005	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2-Methylphenol	200	-	<0.0055	U	<0.0055	U	<0.0055	U	<0.0055	U	<0.0055	U	<0.0055	U	<0.0055	U
3-Methylphenol/4-Methylphenol	200	-	<0.0028	U	<0.0028	U	<0.0028	U	<0.0028	U	<0.0028	U	<0.0028	U	<0.0028	U
Hexachlorobenzene	0.13	0.00004	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U
Hexachlorobutadiene	0.5	0.0005	<0.003	U	<0.003	U	<0.003	U	<0.003	U	<0.003	U	<0.003	U	<0.003	U
Hexachloroethane	3	0.005	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U
Nitrobenzene	2	0.0004	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U
Pentachlorophenol	100	0.001	**0.018**	J	**0.026**	J	**0.084**		**0.015**	J	**0.046**	J	**0.11**			
Pyridine	5	-	<0.0045	U	**0.014**	J	**0.02**		<0.0045	U	**0.013**	J	**0.019**			
SUM	-	-	**0.018**	-	**0.04**	-	**0.104**	-	**0.015**	-	**0.059**	-	**0.129**	-		
TCLP HERBICIDES BY EPA 1311																
2,4,5-TP (Silvex)	1	0.00026	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U
2,4-D	10	0.050	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U
TCLP PESTICIDES BY EPA 1311																
Chlordane	0.03	0.00005	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U
Endrin	0.02	-	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U
Heptachlor	0.008	0.00004	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U
Heptachlor epoxide	0.008	0.00003	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U
Lindane	0.4	0.00005	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U
Methoxychlor	10	0.035	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U
Toxaphene	0.5	0.00006	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U
TCLP METALS BY EPA 1311																
Arsenic	5	0.025	**0.0328**	J	**0.0472**	J	**0.0288**	J	**0.0318**	J	**0.0382**	J	**0.0351**	J		
Barium	100	1	**0.0752**	J	**0.136**	J	**0.202**	J	**0.065**	J	**0.122**	J	**0.15**	J		
Cadmium	1	0.005	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U		
Chromium	5	0.050	**0.0295**	J	<0.021	U	<0.021	U	<0.021	U	<0.021	U	<0.021	U		
Lead	5	0.025	**0.757**		**0.0456**	J	<0.027	U	**0.873**		**0.0463**	J	**0.0602**	J		
Mercury	0.2	0.0007	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U		
Selenium	1	0.010	<0.035	U	<0.035	U	<0.035	U	<0.035	U	<0.035	U	<0.035	U		
Silver	5	0.05	<0.028	U	<0.028	U	<0.028	U	<0.028	U	<0.028	U	<0.028	U		
GENERAL CHEMISTRY																
Cyanide, Reactive (mg/kg)		-	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U		
pH (H) (S.U)		-	**3.7**		**9.21**		**11.1**		**4.54**		**8.52**		**10.9**			
Sulfide, Reactive (mg/kg)		-	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U		
IGNITABILITY OF SOLIDS																
Ignitability (mm/sec)			NI		NI		NI		NI		NI		NI			

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
Yellow Highlight - Exceeds Class GA Groundwater Standards
Red Highligh - Exceeds EPA TCLP Standards

* Comparison is not performed on parameters with non-numeric criteria.
EPA-TCLP: EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria per 40CFR Part 261 as of September 10, 2015.

Table 13D
Pre-Design Investigation Work Plan - Blue Stained Fill
Riverview Innovation Technology Campus Inc.
Tonawanda, New York

ANALYTE			SAMPLE ID:		SS-BCP-02-05192023-28		SS-BCP-03-05192023-28		SS-BCP-04-05192023-28		SS-BCP-05-05192023-28		SS-BCP-06-05192023-28	
			LAB ID:		L2328261-08		L2328261-09		L2328261-10		L2328261-11		L2328261-12	
			COLLECTION DATE:		5/19/2023		5/19/2023		5/19/2023		5/19/2023		5/19/2023	
			DESCRIPTION:		Blue Fill 10% Portland, 10% Breeze		Blue Fill 15% Portland, 10% Breeze		Blue Fill 5% LKD, 5% Breeze		Blue Fill 10% LKD, 10% Breeze		Blue Fill 15% LKD, 10% Breeze	
	EPA-TCLP (mg/L)	NY Part 375 Class GA Standards (mg/L)			Blue Stained Fill									
TCLP VOLATILES BY EPA 1311														
1,1-Dichloroethene	0.7	0.005	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U
1,2-Dichloroethane	0.5	0.005	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U
1,4-Dichlorobenzene	7.5	0.003	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2-Butanone	200	-	<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U
Benzene	0.5	0.001	<0.0016	U	<0.0016	U	<0.0016	U	<0.0016	U	<0.0016	U	<0.0016	U
Carbon tetrachloride	0.5	0.005	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U
Chlorobenzene	100	0.005	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U
Chloroform	6	0.007	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U
Tetrachloroethene	0.7	0.005	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U
Trichloroethene	0.5	0.005	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U
Vinyl chloride	0.2	0.002	<0.00071	U	<0.00071	U	<0.00071	U	<0.00071	U	<0.00071	U	<0.00071	U
SUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP SEMIVOLATILES BY EPA 1311														
2,4,5-Trichlorophenol	400	-	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2,4,6-Trichlorophenol	2	-	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U
2,4-Dinitrotoluene	0.13	0.005	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2-Methylphenol	200	-	<0.0055	U	<0.0055	U	<0.0055	U	<0.0055	U	<0.0055	U	<0.0055	U
3-Methylphenol/4-Methylphenol	200	-	<0.0028	U	<0.0028	U	<0.0028	U	<0.0028	U	<0.0028	U	<0.0028	U
Hexachlorobenzene	0.13	0.00004	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U
Hexachlorobutadiene	0.5	0.0005	<0.003	U	<0.003	U	<0.003	U	<0.003	U	<0.003	U	<0.003	U
Hexachloroethane	3	0.005	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U
Nitrobenzene	2	0.0004	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U
Pentachlorophenol	100	0.001	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U
Pyridine	5	-	<0.0045	U	<0.0045	U	<0.0045	U	<0.0045	U	<0.0045	U	<0.0045	U
SUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP HERBICIDES BY EPA 1311														
2,4,5-TP (Silvex)	1	0.00026	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U
2,4-D	10	0.050	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U
TCLP PESTICIDES BY EPA 1311														
Chlordane	0.03	0.00005	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U
Endrin	0.02	-	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U
Heptachlor	0.008	0.00004	<0.000016	U	<0.000016	U	**0.000107**	IP	<0.000016	U	<0.000016	U	<0.000016	U
Heptachlor epoxide	0.008	0.00003	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U
Lindane	0.4	0.00005	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U
Methoxychlor	10	0.035	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U
Toxaphene	0.5	0.00006	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U
TCLP METALS BY EPA 1311														
Arsenic	5	0.025	**0.0702**	J	**0.055**	J	**0.0549**	J	**0.0412**	J	**0.0461**	J		
Barium	100	1	**0.143**	J	**0.267**	J	**0.227**	J	**0.115**	J	**0.168**	J		
Cadmium	1	0.005	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Chromium	5	0.050	**0.0246**	J	**0.0382**	J	<0.021	U	<0.021	U	**0.0211**	J		
Lead	5	0.025	<0.027	U	<0.027	U	<0.027	U	<0.027	U	**0.0297**	J		
Mercury	0.2	0.0007	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U
Selenium	1	0.010	**0.0403**	J	**0.0376**	J	<0.035	U	<0.035	U	<0.035	U	<0.035	U
Silver	5	0.05	<0.028	U	<0.028	U	<0.028	U	<0.028	U	<0.028	U	<0.028	U
GENERAL CHEMISTRY														
Cyanide, Reactive (mg/kg)		-	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
pH (H) (S.U)		-	**11.2**		**11.8**		**9.75**		**10.4**		**10.8**			
Sulfide, Reactive (mg/kg)		-	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
IGNITABILITY OF SOLIDS														
Ignitability (mm/sec)		-	NI		NI		NI		NI		NI			

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
Yellow Highlight - Exceeds Class GA Groundwater Standards
Red Highligh - Exceeds EPA TCLP Standards

* Comparison is not performed on parameters with non-numeric criteria.
EPA-TCLP: EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria per 40CFR Part 261 as of September 10, 2015.

Table 14D
Building Foundations Sub-Slab Soil Sampling
BCP-06 - The Oil House
Riverview Innovation Technology Campus, Inc.
Tonawanda, New York

DRAFT

ANALYTE			SAMPLE ID:	BCP06E-01-0TO6-05012023		BCP06E-01-14TO18-05012023		BCP06E-02-0TO6-05012023		BCP06E-02-14TO18-05012023		BCP06E-03-0TO6-05012023		BCP06E-03-14TO18-05012023		BCP06W-01-0TO6-05012023		BCP06W-01-14TO18-05012023		BCP06W-02-0TO6-05012023		BCP06W-02-14TO18-05012023		BCP06W-03-0TO6-05012023		BCP06W-03-14TO18-05012023	
			LAB ID:	L2323638-07		L2323638-08		L2323638-09		L2323638-10		L2323638-11		L2323638-12		L2323638-01		L2323638-02		L2323638-03		L2323638-04		L2323638-05		L2323638-06	
			COLLECTION DATE:	5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023	
			SAMPLE MATRIX:	SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL	
	EPA-TCLP	Part 375 SCO Commercial	Part 375 SCO Industrial	East Side, 0 to 6 Inches BGS		East Side, 14 to 18 Inches BGS		East Side, 0 to 6 Inches BGS		East Side, 14 to 18 Inches BGS		East Side, 0 to 6 Inches BGS		East Side, 14 to 18 Inches BGS		West Side, 0 to 6 Inches BGS		West Side, 14 to 18 Inches BGS		West Side, 0 to 6 Inches BGS		West Side, 14 to 18 Inches BGS		West Side, 0 to 6 Inches BGS		West Side, 14 to 18 Inches BGS	
	(mg/l)	(mg/kg)	(mg/kg)																								
VOLATILE ORGANICS BY GC/MS																											
1,1,1-Trichloroethane		500	1000	**0.039**		<0.00022	U	**0.22**		<0.0002	U	**0.016**	J	<0.00022	U	<0.00021	U	<0.00022	U	<0.00023	U	<0.012	U	<0.00022	U	<0.00022	U
1,1,2,2-Tetrachloroethane				<0.013	U	<0.00022	U	<0.012	U	<0.0002	U	<0.013	U	<0.00022	U	<0.0002	U	<0.00022	U	<0.00023	U	<0.012	U	<0.00022	U	<0.00022	U
1,1,2-Trichloroethane				<0.02	U	<0.00036	U	<0.019	U	<0.00032	U	<0.021	U	<0.00035	U	<0.00033	U	<0.00035	U	<0.00036	U	<0.019	U	<0.00035	U	<0.00035	U
1,1-Dichloroethane		240	480	<0.011	U	<0.00019	U	**0.076**		**0.00046**	J	**0.021**	J	<0.00019	U	<0.00018	U	<0.00019	U	<0.0002	U	<0.01	U	<0.00019	U	<0.00019	U
1,1-Dichloroethene		500	1000	<0.018	U	<0.00032	U	<0.017	U	<0.00028	U	<0.019	U	<0.00031	U	<0.00029	U	<0.00031	U	<0.00032	U	<0.017	U	<0.00031	U	<0.00032	U
1,2,3-Trichlorobenzene				<0.024	U	<0.00043	U	<0.024	U	<0.00038	U	<0.026	U	<0.00042	U	<0.0004	U	<0.00042	U	<0.00044	U	<0.023	U	<0.00042	U	<0.00043	U
1,2,4-Trichlorobenzene				<0.021	U	<0.00036	U	<0.02	U	<0.00032	U	<0.022	U	<0.00036	U	<0.00034	U	<0.00035	U	<0.00037	U	<0.019	U	<0.00036	U	<0.00036	U
1,2-Dibromo-3-chloropropane				<0.076	U	<0.0013	U	<0.073	U	<0.0012	U	<0.08	U	<0.0013	U	<0.0012	U	<0.0013	U	<0.0014	U	<0.07	U	<0.0013	U	<0.0013	U
1,2-Dibromoethane				<0.021	U	<0.00037	U	<0.02	U	<0.00033	U	<0.022	U	<0.00036	U	<0.00034	U	<0.00036	U	<0.00038	U	<0.02	U	<0.00037	U	<0.00037	U
1,2-Dichlorobenzene		500	1000	<0.011	U	<0.00019	U	<0.01	U	<0.00017	U	<0.012	U	<0.00019	U	<0.00018	U	<0.00019	U	<0.0002	U	<0.01	U	<0.00019	U	<0.00019	U
1,2-Dichloroethane		30	60	<0.02	U	<0.00034	U	<0.019	U	<0.0003	U	<0.021	U	<0.00034	U	<0.00032	U	<0.00033	U	<0.00035	U	<0.018	U	<0.00034	U	<0.00034	U
1,2-Dichloropropane				<0.0095	U	<0.00017	U	<0.0091	U	<0.00015	U	<0.01	U	<0.00016	U	<0.00015	U	<0.00016	U	<0.00017	U	<0.0088	U	<0.00016	U	<0.00017	U
1,3-Dichlorobenzene		280	560	<0.011	U	<0.0002	U	<0.011	U	<0.00018	U	<0.012	U	<0.00019	U	<0.00018	U	<0.00019	U	<0.0002	U	<0.01	U	<0.0002	U	<0.0002	U
1,4-Dichlorobenzene		130	250	<0.013	U	<0.00023	U	<0.012	U	<0.0002	U	<0.014	U	<0.00022	U	<0.00021	U	<0.00022	U	<0.00023	U	<0.012	U	<0.00022	U	<0.00023	U
1,4-Dioxane		130	250	<2.7	U	<0.047	U	<2.6	U	<0.042	U	<2.8	U	<0.046	U	<0.043	U	<0.046	U	<0.048	U	<2.5	U	<0.046	U	<0.047	U
2-Butanone		500	1000	<0.17	U	**0.031**		<0.16	U	**0.0072**	J	<0.18	U	**0.011**	J	<0.0027	U	**0.014**		<0.003	U	<0.16	U	<0.0029	U	<0.0029	U
2-Hexanone				<0.09	U	<0.0016	U	<0.086	U	<0.0014	U	<0.095	U	<0.0015	U	<0.0015	U	<0.0015	U	<0.0016	U	<0.083	U	<0.0016	U	<0.0016	U
4-Methyl-2-pentanone				<0.097	U	<0.0017	U	<0.093	U	<0.0015	U	<0.1	U	<0.0017	U	<0.0016	U	<0.0017	U	<0.0017	U	<0.09	U	<0.0017	U	<0.0017	U
Acetone		500	1000	<0.36	U	**0.14**		<0.35	U	**0.043**		<0.38	U	**0.067**		<0.006	U	**0.097**		<0.0066	U	<0.34	U	<0.0063	U	**0.0073**	J
Benzene		44	89	**0.032**	J	**0.029**		**0.19**		**0.0018**		**0.23**		<0.00022	U	<0.0002	U	<0.00022	U	**0.00057**	J	<0.012	U	**0.00057**	J	<0.00022	U
Bromochloromethane				<0.016	U	<0.00027	U	<0.015	U	<0.00024	U	<0.016	U	<0.00027	U	<0.00025	U	<0.00027	U	<0.00028	U	<0.014	U	<0.00027	U	<0.00027	U
Bromodichloromethane				<0.0083	U	<0.00014	U	<0.008	U	<0.00013	U	<0.0087	U	<0.00014	U	<0.00013	U	<0.00014	U	<0.00015	U	<0.0077	U	<0.00014	U	<0.00014	U
Bromoform				<0.019	U	<0.00033	U	<0.018	U	<0.00029	U	<0.02	U	<0.00032	U	<0.0003	U	<0.00032	U	<0.00034	U	<0.017	U	<0.00032	U	<0.00033	U
Bromomethane				<0.044	U	<0.00078	U	<0.042	U	<0.00069	U	<0.046	U	<0.00076	U	<0.00072	U	<0.00076	U	<0.00079	U	<0.041	U	<0.00076	U	<0.00077	U
Carbon disulfide				<0.34	U	<0.0061	U	<0.33	U	<0.0054	U	<0.36	U	<0.006	U	<0.0056	U	<0.0059	U	<0.0062	U	<0.32	U	<0.006	U	<0.006	U
Carbon tetrachloride		22	44	<0.017	U	<0.00031	U	<0.017	U	<0.00027	U	<0.018	U	<0.0003	U	<0.00028	U	<0.0003	U	<0.00031	U	<0.016	U	<0.0003	U	<0.0003	U
Chlorobenzene		500	1000	<0.0096	U	<0.00017	U	<0.0093	U	<0.00015	U	<0.01	U	<0.00017	U	<0.00016	U	<0.00017	U	<0.00017	U	<0.0089	U	<0.00017	U	<0.00017	U
Chloroethane				<0.034	U	<0.0006	U	<0.033	U	<0.00054	U	<0.036	U	<0.00059	U	<0.00056	U	<0.00059	U	<0.00062	U	<0.032	U	<0.0006	U	<0.0006	U
Chloroform		350	700	<0.011	U	<0.00019	U	<0.01	U	<0.00017	U	<0.011	U	<0.00018	U	<0.00017	U	<0.00018	U	<0.00019	U	<0.0098	U	<0.00018	U	<0.00018	U
Chloromethane				<0.071	U	<0.0012	U	<0.068	U	<0.0011	U	<0.075	U	<0.0012	U	<0.0012	U	<0.0012	U	<0.0013	U	<0.066	U	<0.0012	U	<0.0012	U
cis-1,2-Dichloroethene		500	1000	**0.099**		**0.023**		**2.6**		**0.043**		**1.4**		<0.00023	U	<0.00022	U	<0.00023	U	<0.00024	U	<0.012	U	<0.00023	U	<0.00023	U
cis-1,3-Dichloropropene				<0.012	U	<0.00021	U	<0.012	U	<0.00019	U	<0.013	U	<0.00021	U	<0.0002	U	<0.0002	U	<0.00022	U	<0.011	U	<0.00021	U	<0.00021	U
Cyclohexane				<0.041	U	**0.0011**	J	<0.04	U	<0.00065	U	<0.044	U	<0.00071	U	<0.00067	U	<0.00071	U	<0.00074	U	**2.5**		<0.00072	U	<0.00072	U
Dibromochloromethane				<0.011	U	<0.00019	U	<0.01	U	<0.00017	U	<0.011	U	<0.00018	U	<0.00017	U	<0.00018	U	<0.00019	U	<0.0098	U	<0.00018	U	<0.00018	U
Dichlorodifluoromethane				<0.07	U	<0.0012	U	<0.067	U	<0.0011	U	<0.073	U	<0.0012	U	<0.0011	U	<0.0012	U	<0.0012	U	<0.064	U	<0.0012	U	<0.0012	U
Ethylbenzene		390	780	<0.011	U	**0.0016**		<0.01	U	<0.00017	U	**0.02**	J	<0.00018	U	<0.00017	U	<0.00018	U	<0.00019	U	**0.31**		<0.00018	U	<0.00019	U
Freon-113				<0.053	U	<0.00092	U	<0.051	U	<0.00082	U	<0.056	U	<0.00091	U	<0.00086	U	<0.0009	U	<0.00094	U	<0.049	U	<0.00091	U	<0.00092	U
Isopropylbenzene				<0.0083	U	**0.00032**	J	<0.008	U	<0.00013	U	<0.0087	U	<0.00014	U	<0.00013	U	<0.00014	U	<0.00015	U	**0.23**		<0.00014	U	<0.00014	U
Methyl Acetate				<0.072	U	<0.0013	U	<0.069	U	<0.0011	U	<0.076	U	<0.0012	U	<0.0012	U	<0.0012	U	<0.0013	U	<0.067	U	<0.0012	U	<0.0013	U
Methyl cyclohexane				<0.046	U	<0.0008	U	<0.044	U	<0.00072	U	<0.048	U	<0.00079	U	<0.00075	U	<0.00078	U	<0.00082	U	**11**		<0.00079	U	<0.0008	U
Methyl tert butyl ether		500	1000	<0.015	U	<0.00027	U	<0.015	U	<0.00024	U	<0.016	U	**0.00049**	J	<0.00025	U	**0.00034**	J	<0.00027	U	<0.014	U	<0.00026	U	<0.00027	U
Methylene chloride		500	1000	<0.17	U	<0.003	U	<0.17	U	<0.0027	U	<0.18	U	<0.003	U	<0.0028	U	<0.003	U	<0.0031	U	<0.16	U	<0.003	U	<0.003	U
o-Xylene				<0.022	U	**0.0012**	J	<0.021	U	<0.00034	U	<0.023	U	<0.00038	U	<0.00036	U	<0.00038	U	<0.0004	U	0.035	J	<0.00038	U	<0.00039	U
p/m-Xylene				<0.042	U	**0.001**	J	<0.041	U	<0.00066	U	<0.045	U	<0.00073	U	<0.00069	U	<0.00073	U	<0.00076	U	**0.42**		<0.00074	U	<0.00074	U
Styrene				<0.015	U	<0.00026	U	<0.014	U	<0.00023	U	<0.016	U	<0.00026	U	<0.00024	U	<0.00025	U	<0.00027	U	<0.014	U	<0.00026	U	<0.00026	U
Tetrachloroethene		**150**	**300**	**12**		**0.0038**		**14**		**0.011**		**14**		**0.00071**		**<0.00024**	**U**	**<0.00025**	**U**	**<0.00027**	**U**	**<0.014**	**U**	**<0.00026**	**U**	**<0.00026**	**U**
Toluene		500	1000	<0.041	U	<0.00072	U	<0.04	U	<0.00064	U	<0.044	U	<0.00071	U	<0.00067	U	<0.00071	U	<0.00074	U	<0.038	U	<0.00072	U	<0.00072	U
trans-1,2-Dichloroethene		500	1000	<0.01	U	0.00018	J	**0.13**		0.00095	J	**0.05**	J	<0.00018	U	<0.00017	U	<0.00018	U	<0.00019	U	<0.0096	U	<0.00018	U	<0.00018	U
trans-1,3-Dichloropropene				<0.021	U	<0.00036	U	<0.02	U	<0.00032	U	<0.022	U	<0.00036	U	<0.00034	U	<0.00035	U	<0.00037	U	<0.019	U	<0.00036	U	<0.00036	U
Trichloroethene		200	400	**0.14**		**0.00096**		**0.93**		**0.0046**		**0.9**		<0.00018	U	<0.00017	U	<0.00018	U	<0.00019	U	<0.0096	U	<0.00018	U	<0.00018	U
Trichlorofluoromethane				<0.053	U	<0.00093	U	<0.051	U	<0.00083	U	<0.056	U	<0.00091	U	<0.00086	U	<0.0009	U	<0.00095	U	<0.049	U	<0.00092	U	<0.00092	U
Vinyl chloride		13	27	<0.025	U	**0.00079**	J	<0.024	U	**0.0042**		<0.027	U	<0.00044	U	<0.00041	U	<0.00044	U	<0.00046	U	<0.024	U	<0.00044	U	<0.00044	U
Total VOCs				**12.31**	-	0.23395	-	**18.146**	-	**0.11621**	-	**16.637**	-	0.0792	-	-	-	**0.11134**	-	**0.00057**	-	**14.495**	-	**0.00057**	-	**0.0073**	-

Table 14D
Building Foundations Sub-Slab Soil Sampling
BCP-06 - The Oil House
Riverview Innovation Technology Campus, Inc.
Tonawanda, New York

ANALYTE			SAMPLE ID:	BCP06E-01-0TO6-05012023		BCP06E-01-14TO18-05012023		BCP06E-02-0TO6-05012023		BCP06E-02-14TO18-05012023		BCP06E-03-0TO6-05012023		BCP06E-03-14TO18-05012023		BCP06W-01-0TO6-05012023		BCP06W-01-14TO18-05012023		BCP06W-02-0TO6-05012023		BCP06W-02-14TO18-05012023		BCP06W-03-0TO6-05012023		BCP06W-03-14TO18-05012023	
			LAB ID:	L2323638-07		L2323638-08		L2323638-09		L2323638-10		L2323638-11		L2323638-12		L2323638-01		L2323638-02		L2323638-03		L2323638-04		L2323638-05		L2323638-06	
			COLLECTION DATE:	5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023	
			SAMPLE MATRIX:	SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL	
	EPA-TCLP	Part 375 SCO Commercial	Part 375 SCO Industrial	East Side, 0 to 6 Inches BGS		East Side, 14 to 18 Inches BGS		East Side, 0 to 6 Inches BGS		East Side, 14 to 18 Inches BGS		East Side, 0 to 6 Inches BGS		East Side, 14 to 18 Inches BGS		West Side, 0 to 6 Inches BGS		West Side, 14 to 18 Inches BGS		West Side, 0 to 6 Inches BGS		West Side, 14 to 18 Inches BGS		West Side, 0 to 6 Inches BGS		West Side, 14 to 18 Inches BGS	
	(mg/l)	(mg/kg)	(mg/kg)																								
SEMIVOLATILE ORGANICS BY GC/MS																											
1,2,4,5-Tetrachlorobenzene				<0.44	U	<0.026	U	<0.064	U	<0.022	U	<0.023	U	<0.023	U	<0.065	U	<0.063	U	<0.07	U	<0.022	U	<0.067	U	<0.024	U
2,3,4,6-Tetrachlorophenol				<0.85	U	<0.049	U	<0.12	U	<0.043	U	<0.044	U	<0.045	U	<0.12	U	<0.12	U	<0.14	U	<0.043	U	<0.13	U	<0.047	U
2,4,5-Trichlorophenol				<0.8	U	<0.047	U	<0.12	U	<0.041	U	<0.042	U	<0.042	U	<0.12	U	<0.12	U	<0.13	U	<0.04	U	<0.12	U	<0.044	U
2,4,6-Trichlorophenol				<0.8	U	<0.046	U	<0.12	U	<0.04	U	<0.041	U	<0.042	U	<0.12	U	<0.12	U	<0.13	U	<0.04	U	<0.12	U	<0.044	U
2,4-Dichlorophenol				<0.68	U	<0.039	U	<0.098	U	<0.034	U	<0.035	U	<0.036	U	<0.1	U	<0.098	U	<0.11	U	<0.034	U	<0.1	U	<0.037	U
2,4-Dimethylphenol				<1.4	U	<0.081	U	<0.2	U	<0.07	U	**1.4**		<0.073	U	<0.2	U	<0.2	U	<0.22	U	<0.07	U	<0.21	U	<0.076	U
2,4-Dinitrophenol				<2	U	<0.11	U	<0.28	U	<0.099	U	<0.1	U	<0.1	U	<0.29	U	<0.28	U	<0.31	U	<0.098	U	<0.3	U	<0.11	U
2,4-Dinitrotoluene				<0.84	U	<0.049	U	<0.12	U	<0.043	U	<0.044	U	<0.044	U	<0.12	U	<0.12	U	<0.13	U	<0.042	U	<0.13	U	<0.046	U
2,6-Dinitrotoluene				<0.72	U	<0.042	U	<0.1	U	<0.037	U	<0.037	U	<0.038	U	<0.11	U	<0.1	U	<0.12	U	<0.036	U	<0.11	U	<0.04	U
2-Chloronaphthalene				<0.42	U	<0.024	U	<0.061	U	<0.021	U	<0.022	U	<0.022	U	<0.062	U	<0.06	U	<0.067	U	<0.021	U	<0.064	U	<0.023	U
2-Chlorophenol				<0.5	U	<0.029	U	<0.072	U	<0.025	U	<0.026	U	<0.026	U	<0.074	U	<0.072	U	<0.079	U	<0.025	U	<0.076	U	<0.027	U
2-Methylnaphthalene				0.99	J	<0.03	U	**0.34**	J	**0.066**	J	**2.1**		**0.035**	J	**0.48**	J	<0.073	U	**0.24**	J	**0.37**		**0.41**	J	<0.028	U
2-Methylphenol		500	1000	<0.65	U	<0.038	U	<0.095	U	<0.033	U	<0.034	U	<0.034	U	<0.096	U	<0.094	U	<0.1	U	<0.033	U	<0.1	U	<0.036	U
2-Nitroaniline				<0.81	U	<0.047	U	<0.12	U	<0.041	U	<0.042	U	<0.043	U	<0.12	U	<0.12	U	<0.13	U	<0.041	U	<0.12	U	<0.044	U
2-Nitrophenol				<1.6	U	<0.092	U	<0.23	U	<0.08	U	<0.082	U	<0.083	U	<0.23	U	<0.23	U	<0.25	U	<0.08	U	<0.24	U	<0.087	U
3,3'-Dichlorobenzidine				<1.1	U	<0.065	U	<0.16	U	<0.057	U	<0.058	U	<0.059	U	<0.16	U	<0.16	U	<0.18	U	<0.056	U	<0.17	U	<0.061	U
3-Methylphenol/4-Methylphenol		500	1000	<0.66	U	<0.038	U	**0.098**	J	**0.044**	J	**0.14**	J	<0.035	U	<0.098	U	<0.095	U	<0.1	U	<0.033	U	<0.1	U	<0.036	U
3-Nitroaniline				<0.79	U	<0.046	U	<0.12	U	<0.04	U	<0.041	U	<0.042	U	<0.12	U	<0.11	U	<0.13	U	<0.04	U	<0.12	U	<0.044	U
4,6-Dinitro-o-cresol				<2	U	<0.12	U	<0.29	U	<0.1	U	<0.1	U	<0.11	U	<0.3	U	<0.29	U	<0.32	U	<0.1	U	<0.31	U	<0.11	U
4-Bromophenyl phenyl ether				<0.64	U	<0.037	U	<0.093	U	<0.032	U	<0.033	U	<0.034	U	<0.095	U	<0.093	U	<0.1	U	<0.032	U	<0.098	U	<0.035	U
4-Chloroaniline				<0.76	U	<0.044	U	<0.11	U	<0.039	U	<0.04	U	<0.04	U	<0.11	U	<0.11	U	<0.12	U	<0.038	U	<0.12	U	<0.042	U
4-Chlorophenyl phenyl ether				<0.45	U	<0.026	U	<0.065	U	<0.023	U	<0.023	U	<0.024	U	<0.067	U	<0.065	U	<0.072	U	<0.023	U	<0.069	U	<0.025	U
4-Nitroaniline				<1.7	U	<0.1	U	<0.25	U	<0.088	U	<0.09	U	<0.092	U	<0.26	U	<0.25	U	<0.28	U	<0.088	U	<0.27	U	<0.096	U
4-Nitrophenol				<1.7	U	<0.1	U	<0.25	U	<0.087	U	<0.089	U	<0.09	U	<0.25	U	<0.25	U	<0.27	U	<0.086	U	<0.26	U	<0.094	U
Acenaphthene		500	1000	**9.2**		<0.025	U	<0.063	U	**0.076**	J	**0.3**		**0.097**	J	<0.064	U	<0.063	U	<0.07	U	<0.022	U	<0.067	U	**0.069**	J
Acenaphthylene		500	1000	**14**		<0.038	U	**0.74**		**0.23**		**1.4**		<0.034	U	<0.096	U	<0.094	U	<0.1	U	**0.045**	J	**0.26**	J	**0.21**	
Acetophenone				<0.52	U	<0.03	U	<0.076	U	<0.026	U	<0.027	U	<0.027	U	<0.077	U	<0.075	U	<0.083	U	<0.026	U	<0.08	U	<0.029	U
Anthracene		500	1000	**59**		<0.048	U	**0.54**		0.17		**0.62**		**0.34**		<0.12	U	<0.12	U	<0.13	U	<0.041	U	<0.12	U	**0.44**	
Atrazine				<1.5	U	<0.086	U	<0.21	U	<0.075	U	<0.076	U	<0.077	U	<0.22	U	<0.21	U	<0.23	U	<0.074	U	<0.22	U	<0.081	U
Benzaldehyde				<1.1	U	<0.066	U	<0.16	U	<0.058	U	<0.059	U	<0.06	U	<0.17	U	<0.16	U	<0.18	U	<0.057	U	<0.17	U	<0.062	U
Benzo(a)anthracene		5.6	11	**94**		**0.057**	J	**0.97**		**0.6**		**1.4**		**0.47**		**0.095**	J	<0.068	U	<0.076	U	<0.024	U	**0.089**	J	**0.49**	
Benzo(a)pyrene		1	1.1	**84**		**0.096**	J	**1.2**		**0.73**		**1.6**		**0.45**		<0.15	U	<0.15	U	<0.16	U	<0.052	U	<0.16	U	**0.51**	
Benzo(b)fluoranthene		5.6	11	**100**		**0.12**	J	**1.8**		**1.1**		**3**		**0.52**		**0.12**	J	<0.1	U	<0.11	U	<0.036	U	<0.11	U	**0.55**	
Benzo(ghi)perylene		500	1000	**41**		**0.08**	J	**1.4**		**0.61**		**1.7**		**0.2**		**0.1**	J	<0.071	U	<0.079	U	<0.025	U	<0.076	U	**0.74**	
Benzo(k)fluoranthene		56	110	**37**		<0.039	U	**0.53**		**0.25**		**0.78**		**0.13**		<0.1	U	<0.097	U	<0.11	U	<0.034	U	<0.1	U	**0.23**	
Biphenyl				**0.65**	J	<0.032	U	**0.084**	J	<0.028	U	**0.22**	J	<0.029	U	<0.081	U	<0.079	U	<0.087	U	<0.028	U	<0.084	U	<0.03	U
Bis(2-chloroethoxy)methane				<0.42	U	<0.024	U	<0.061	U	<0.021	U	<0.022	U	<0.022	U	<0.062	U	<0.061	U	<0.067	U	<0.021	U	<0.064	U	<0.023	U
Bis(2-chloroethyl)ether				<0.57	U	<0.033	U	<0.083	U	<0.029	U	<0.03	U	<0.03	U	<0.084	U	<0.082	U	<0.091	U	<0.029	U	<0.087	U	<0.031	U
Bis(2-chloroisopropyl)ether				<0.72	U	<0.042	U	<0.1	U	<0.036	U	<0.037	U	<0.038	U	<0.11	U	<0.1	U	<0.11	U	<0.036	U	<0.11	U	<0.039	U
Bis(2-ethylhexyl)phthalate				<1.4	U	<0.085	U	<0.21	U	<0.074	U	<0.075	U	<0.076	U	<0.22	U	<0.21	U	<0.23	U	<0.073	U	<0.22	U	<0.08	U
Butyl benzyl phthalate				<1	U	<0.062	U	<0.15	U	<0.054	U	<0.055	U	<0.056	U	<0.16	U	<0.15	U	<0.17	U	<0.053	U	<0.16	U	<0.058	U
Caprolactam				<1.3	U	<0.074	U	<0.18	U	<0.065	U	<0.066	U	<0.067	U	<0.19	U	<0.18	U	<0.2	U	<0.064	U	<0.2	U	<0.07	U
Carbazole				**13**		<0.024	U	**0.15**	J	**0.053**	J	**0.15**	J	**0.09**	J	<0.06	U	<0.059	U	<0.065	U	**0.021**	J	**0.11**	J	**0.15**	J
Chrysene		56	110	**85**		**0.068**	J	**1.1**		**0.63**		**1.8**		**0.41**		**0.12**	J	<0.063	U	**0.13**	J	<0.022	U	**0.15**	J	**0.44**	
Di-n-butylphthalate				<0.8	U	<0.046	U	<0.12	U	<0.04	U	<0.041	U	<0.042	U	<0.12	U	<0.12	U	<0.13	U	<0.04	U	<0.12	U	<0.044	U
Di-n-octylphthalate				<1.4	U	<0.083	U	<0.21	U	<0.072	U	<0.074	U	<0.075	U	<0.21	U	<0.21	U	<0.23	U	<0.072	U	<0.22	U	<0.078	U
Dibenzo(a,h)anthracene		0.56	1.1	**12**		<0.028	U	**0.34**	J	**0.16**		**0.44**		**0.066**	J	<0.072	U	<0.07	U	<0.078	U	<0.024	U	<0.074	U	**0.077**	J
Dibenzofuran		350	1000	**16**		<0.023	U	**0.16**	J	**0.064**	J	**0.34**		**0.093**	J	**0.11**	J	**0.072**	J	<0.064	U	<0.02	U	**0.12**	J	**0.046**	J
Diethyl phthalate				<0.39	U	<0.023	U	<0.057	U	<0.02	U	<0.02	U	<0.02	U	<0.058	U	<0.056	U	<0.062	U	<0.02	U	<0.06	U	<0.021	U
Dimethyl phthalate				<0.88	U	<0.051	U	<0.13	U	<0.045	U	<0.046	U	<0.046	U	<0.13	U	<0.13	U	<0.14	U	<0.044	U	<0.14	U	<0.048	U
Fluoranthene		500	1000	**230**		**0.083**	J	**1.5**		**1**		**3.1**		**0.99**		**0.11**	J	**0.074**	J	**0.084**	J	**0.025**	J	**0.11**	J	**0.92**	
Fluorene		500	1000	**35**		<0.024	U	<0.059	U	**0.12**	J	**0.43**		**0.18**	J	<0.06	U	**0.065**	J	<0.065	U	<0.02	U	<0.062	U	**0.11**	J
Hexachlorobenzene		6	12	<0.47	U	<0.027	U	<0.068	U	<0.024	U	<0.024	U	<0.025	U	<0.07	U	<0.068	U	<0.075	U	<0.024	U	<0.072	U	<0.026	U
Hexachlorobutadiene				<0.62	U	<0.036	U	<0.09	U	<0.031	U	<0.032	U	<0.032	U	<0.091	U	<0.089	U	<0.098	U	<0.031	U	<0.094	U	<0.034	U
Hexachlorocyclopentadiene				<3.8	U	<0.22	U	<0.55	U	<0.19	U	<0.2	U	<0.2	U	<0.56	U	<0.55	U	<0.61	U	<0.19	U	<0.58	U	<0.21	U
Hexachloroethane				<0.68	U	<0.04	U	<0.099	U	<0.034	U	<0.035	U	<0.036	U	<0.1	U	<0.098	U	<0.11	U	<0.034	U	<0.1	U	<0.037	U
Indeno(1,2,3-cd)pyrene		5.6	11	**51**		**0.064**	J	**1.1**		**0.54**		**1.3**		**0.19**		<0.087	U	<0.085	U	<0.094	U	<0.029	U	<0.09	U	**0.34**	
Isophorone				<0.54	U	<0.032	U	<0.079	U	<0.028	U	<0.028	U	<0.029	U	<0.081	U	<0.079	U	<0.087	U	<0.027	U	<0.084	U	<0.03	U
n-Nitrosodi-n-propylamine				<0.65	U	<0.038	U	<0.094	U	<0.033	U	<0.034	U	<0.034	U	<0.096	U	<0.094	U	<0.1	U	<0.033	U	<0.099	U	<0.036	U
Naphthalene		500	1000	**3.2**	J	**0.062**	J	**0.64**		**0.22**		**1.8**		**0.065**	J	**0.41**	J	**0.083**	J	**0.2**	J	**0.62**		**0.36**	J	<0.028	U
NDPA/DPA				<0.48	U	<0.028	U	<0.07	U	<0.024	U	<0.025	U	<0.025	U	<0.071	U	<0.069	U	<0.076	U	<0.024	U	<0.073	U	<0.026	U
Nitrobenzene				<0.62	U	<0.036	U	<0.09	U	<0.032	U	<0.032	U	<0.033	U	<0.092	U	<0.09	U	<0.099	U	<0.031	U	<0.095	U	<0.034	U
p-Chloro-m-cresol				<0.63	U	<0.036	U	<0.091	U	<0.032	U	<0.032	U	<0.033	U	<0.093	U	<0.09	U	<0.1	U	<0.032	U	<0.096	U	<0.034	U
Pentachlorophenol		6.7	55	<0.92	U	<0.054	U	<0.13	U	<0.047	U	<0.048	U	<0.049	U	<0.14	U	<0.13	U	<0.15	U	<0.046	U	<0.14	U	<0.051	U
Phenanthrene		500	1000	**170**		**0.042**	J	**0.97**		**0.27**		**1.6**		**1.1**		**0.24**	J	**0.16**	J	**0.18**	J	**0.028**	J	**0.28**	J	**0.73**	
Phenol		500	1000	<0.63	U	<0.037	U	<0.092	U	<0.032	U	<0.033	U	<0.033	U	<0.094	U	<0.092	U	<0.1	U	<0.032	U	<0.097	U	<0.035	U
Pyrene		500	1000	**160**		**0.067**	J	**1.5**		**0.9**		**3**		**0.75**		**0.1**	J	<0.06	U	**0.072**	J	**0.025**	J	**0.1**	J	**0.72**	
Total SVOCs				1225.04	-	**0.739**	-	**15.162**	-	**7.833**	-	**28.62**	-	**6.176**	-	**1.885**	-	**0.454**	-	**0.906**	-	1.134	-	**1.989**	-	**6.772**	-
POLYCHLORINATED BIPHENYLS BY GC																											
Aroclor 1016		1	25	<0.0107	U	<0.00626	U	<0.00924	U	<0.00561	U	<0.0105	U	<0.011	U	<0.0108	U	<0.00582	U	<0.00578	U	<0.00521	U	<0.011	U	<0.00576	U
Aroclor 1221		1	25	<0.0121	U	<0.00707	U	<0.0104	U	<0.00633	U	<0.0118	U	<0.0124	U	<0.0122	U	<0.00656	U	<0.00653	U	<0.00588	U	<0.0124	U	<0.00649	U
Aroclor 1232		1	25	<0.0255	U	<0.015	U	<0.022	U	<0.0134	U	<0.0251	U	<0.0263	U	<0.0258	U	<0.0139	U	<0.0138	U	<0.0124	U	<0.0262	U	<0.0137	U
Aroclor 1242		1	25	<0.0162	U	<0.00951	U	<0.014	U	<0.00852	U	<0.0159	U	<0.0167	U	<0.0164	U	<0.00883	U	<0.00878	U	<0.00791	U	<0.0167	U	<0.00874	U
Aroclor 1248		1	25	<0.0181	U	<0.0106	U	<0.0156	U	<0.00948	U	<0.0177	U	<0.0186	U	<0.0183	U	<0.00983	U	<0.00977	U	<0.0088	U	<0.0186	U	<0.00972	U
Aroclor 1254		1	25	<0.0132	U	<0.00772	U	<0.0114	U	<0.00691	U	<0.0129	U	<0.0136	U	<0.0133	U	<0.00717	U	<0.00713	U	<0.00642	U	<0.0135	U	<0.00709	U
Aroclor 1260		1	25	<0.0223	U	<0.013	U	<0.0192	U	<0.0117	U	<0.0218	U	<0.0229	U	<0.0225	U	<0.0121	U	<0.012	U	<0.0108	U	<0.0229	U	<0.012	U
Aroclor 1262		1	25	<0.0153	U	<0.00896	U	<0.0132	U	<0.00802	U	<0.015	U	<0.0157	U	<0.0155	U	<0.00832	U	<0.00827	U	<0.00746	U	<0.0157	U	<0.00823	U
Aroclor 1268		1	25	<0.0125	U	<0.00731	U	<0.0108	U	<0.00655	U	<0.0122	U	<0.0128	U	<0.0126	U	<0.00679	U	<0.00675	U	<0.00608	U	<0.0128	U	<0.00671	U
PCBs, Total		1	25	<0.0107	U	<0.00626	U	<0.00924	U	<0.00561	U	<0.0105	U	<0.011	U	<0.0108	U	<0.00582	U	<0.00578	U	<0.00521	U	<0.011	U	<0.00576	U

Table 14D
Building Foundations Sub-Slab Soil Sampling
BCP-06 - The Oil House
Riverview Innovation Technology Campus, Inc.
Tonawanda, New York

DRAFT

ANALYTE				SAMPLE ID:	BCP06E-01-0TO6-05012023		BCP06E-01-14TO18-05012023		BCP06E-02-0TO6-05012023		BCP06E-02-14TO18-05012023		BCP06E-03-0TO6-05012023		BCP06E-03-14TO18-05012023		BCP06W-01-0TO6-05012023		BCP06W-01-14TO18-05012023		BCP06W-02-0TO6-05012023		BCP06W-02-14TO18-05012023		BCP06W-03-0TO6-05012023		BCP06W-03-14TO18-05012023	
				LAB ID:	L2323638-07		L2323638-08		L2323638-09		L2323638-10		L2323638-11		L2323638-12		L2323638-01		L2323638-02		L2323638-03		L2323638-04		L2323638-05		L2323638-06	
				COLLECTION DATE:	5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023	
				SAMPLE MATRIX:	SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL	
	EPA-TCLP	Part 375 SCO Commercial	Part 375 SCO Industrial		East Side, 0 to 6 Inches BGS		East Side, 14 to 18 Inches BGS		East Side, 0 to 6 Inches BGS		East Side, 14 to 18 Inches BGS		East Side, 0 to 6 Inches BGS		East Side, 14 to 18 Inches BGS		West Side, 0 to 6 Inches BGS		West Side, 14 to 18 Inches BGS		West Side, 0 to 6 Inches BGS		West Side, 14 to 18 Inches BGS		West Side, 0 to 6 Inches BGS		West Side, 14 to 18 Inches BGS	
	(mg/l)	(mg/kg)	(mg/kg)																									
TOTAL METALS																												
Aluminum, Total				3230		11400		3130		13000		3240		11300		3460		12400		4220		14600		3760		16000	
Antimony, Total				4.65	J	11.1		2.12	J	1.42	J	1.26	J	0.753	J	1.8	J	1.4	J	1.97	J	1.49	J	1.51	J	1.29	J
Arsenic, Total		16	16	11		21.8		12.7		9.19		15		3.72		81.1		10		119		9.25		44.9		10.1	
Barium, Total		400	10000	63.7		57		125		131		91.1		67.4		86.9		108		120		71.9		70.6		142	
Beryllium, Total		590	2700	0.362	J	0.582		0.604		0.702		0.568		0.486	J	0.889		0.666		1.09		0.518		0.831		0.895	
Cadmium, Total		9.3	60	0.441	J	1.32		0.675	J	0.47	J	0.374	J	0.191	J	0.241	J	0.367	J	0.276	J	0.225	J	0.29	J	0.372	J
Calcium, Total				4660		3520		10600		36700		16500		2840		3410		35000		4610		2390		3360		13800	
Chromium, Total				7.89		17.9		7.59		19		7.78		13.3		6.78		17.2		8.93		18.9		7.74		22.3	
Cobalt, Total				4.95		9.92		5.17		10.9		8.29		4.76		20.7		10.3		7.05		8.62		5.16		12.2	
Copper, Total		270	10000	283		31.6		43.3		23.4		36.7		8.13		35.6		19		41		12.9		122		22.1	
Iron, Total				22600		46800		18000		31800		19300		17300		23600		32600		27000		31700		23100		29000	
Lead, Total		1000	3900	128		572		111		42.8		38.6		16.4		33.2		25.6		43.6		16.3		48		27.8	
Magnesium, Total				480		2810		703		13900		931		2240		251		12000		285		2880		209		6150	
Manganese, Total		10000	10000	146		718		128		869		139		169		93.2		754		131		358		42.5		567	
Mercury, Total		2.8	5.7	3.16		0.178		0.842		0.186		105		<0.057	U	0.107		<0.055	U	0.14		<0.054	U	0.074	J	<0.059	U
Nickel, Total		310	10000	14.2		16.2		18.3		25.4		18.8		9.41		13.8		24.7		17		14.8		14.9		34.1	
Potassium, Total				441		658		309		1330		281		667		633		1540		634		964		391		1960	
Selenium, Total		1500	6800	1.31	J	1.32	J	1.65	J	0.506	J	1.27	J	0.325	J	1.57	J	1.03	J	1.39	J	0.558	J	1.06	J	0.533	J
Silver, Total		1500	6800	<0.28	U	<0.329	U	<0.27	U	<0.283	U	<0.29	U	<0.296	U	<0.273	U	<0.292	U	<0.3	U	<0.283	U	<0.286	U	<0.296	U
Sodium, Total				97.7	J	104	J	103	J	275		122	J	65.6	J	116	J	122	J	158	J	92.6	J	106	J	106	J
Thallium, Total				0.314	J	1.45	J	<0.3	U	1.59	J	<0.322	U	0.458	J	0.929	J	1.43	J	1.42	J	0.665	J	0.64	J	1.36	J
Vanadium, Total				15.3		27.7		48.3		27.5		18.5		21.9		12.9		22.8		16.3		28.3		12.8		28.6	
Zinc, Total		10000	10000	144		1280		103		104		141		52.8		34.7		63.8		55.4		51.9		99		69.4	
GENERAL CHEMISTRY																												
Cyanide, Reactive				<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Cyanide, Total		27	10000	1.4		1.2	J	0.98	J	1.4		2		<0.26	U	1.4		<0.26	U	<0.27	U	<0.26	U	<0.26	U	<0.27	U
Nitrogen, Ammonia				<2.9	U	150		4.2	J	47		5.2	J	40		9.5		16		<3.4	U	30		<3.7	U	7.5	
pH (H)				7.7		6.17		7.94		7.88		7.39		7.72		6.41		7.66		6.31		7.44		6.77		7.74	
Solids, Total				78.3		67.7		81.2		76.9		76.2		74		80.3		75.7		73.3		78		74.4		72.1	
Sulfide, Reactive				<10	U	<10	U	<10	U	<10	U	<10	U	14		<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
IGNITABILITY OF SOLIDS																												
Ignitability				NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI	
TCLP VOLATILES BY EPA 1311																												
1,1-Dichloroethene	0.7			<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U	<0.0017	U
1,2-Dichloroethane	0.5			<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U
1,4-Dichlorobenzene	7.5			<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2-Butanone	200			<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U
Benzene	0.5			<0.0016	U	0.004	J	<0.0016	U	<0.0016	U	0.009		<0.0016	U	<0.0016	U	<0.0016	U	<0.0016	U	<0.0016	U	<0.0016	U	<0.0016	U
Carbon tetrachloride	0.5			<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U	<0.0013	U
Chlorobenzene	100			<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U
Chloroform	6			<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U
Tetrachloroethene	0.7			0.04		<0.0018	U	0.021		<0.0018	U	0.036		<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U
Trichloroethene	0.5			<0.0018	U	<0.0018	U	0.003	J	<0.0018	U	0.0065		<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U	<0.0018	U
Vinyl chloride	0.2			<0.00071	U	<0.00071	U	<0.00071	U	<0.00071	U	<0.00071	U	<0.00071	U	<0.00071	U	<0.00071	U	<0.00071	U	<0.00071	U	<0.00071	U	<0.00071	U
SUM				0.04	-	0.004	-	0.024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP SEMIVOLATILES BY EPA 1311																												
2,4,5-Trichlorophenol	400			<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2,4,6-Trichlorophenol	2			<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U	<0.0025	U
2,4-Dinitrotoluene	0.13			<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U	<0.0019	U
2-Methylphenol	200			<0.0055	U	<0.0055	U	<0.0055	U	<0.0055	U	<0.0055	U	<0.0055	U	<0.0055	U	<0.0055	U	<0.0055	U	<0.0055	U	<0.0055	U	<0.0055	U
3-Methylphenol/4-Methylphenol	200			<0.0028	U	<0.0028	U	<0.0028	U	<0.0028	U	<0.0028	U	<0.0028	U	<0.0028	U	<0.0028	U	<0.0028	U	<0.0028	U	<0.0028	U	<0.0028	U
Hexachlorobenzene	0.13			<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U	<0.0034	U
Hexachlorobutadiene	0.5			<0.003	U	<0.003	U	<0.003	U	<0.003	U	<0.003	U	<0.003	U	<0.003	U	<0.003	U	<0.003	U	<0.003	U	<0.003	U	<0.003	U
Hexachloroethane	3			<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U	<0.0022	U
Nitrobenzene	2			<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U	<0.0033	U
Pentachlorophenol	100			<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U	<0.0098	U
Pyridine	5			<0.0045	U	<0.0045	U	<0.0045	U	<0.0045	U	<0.0045	U	<0.0045	U	<0.0045	U	<0.0045	U	<0.0045	U	<0.0045	U	<0.0045	U	<0.0045	U
SUM				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 14D
Building Foundations Sub-Slab Soil Sampling
BCP-06 - The Oil House
Riverview Innovation Technology Campus, Inc.
Tonawanda, New York

DRAFT

ANALYTE				SAMPLE ID:	BCP06E-01-0TO6-05012023		BCP06E-01-14TO18-05012023		BCP06E-02-0TO6-05012023		BCP06E-02-14TO18-05012023		BCP06E-03-0TO6-05012023		BCP06E-03-14TO18-05012023		BCP06W-01-0TO6-05012023		BCP06W-01-14TO18-05012023		BCP06W-02-0TO6-05012023		BCP06W-02-14TO18-05012023		BCP06W-03-0TO6-05012023		BCP06W-03-14TO18-05012023	
				LAB ID:	L2323638-07		L2323638-08		L2323638-09		L2323638-10		L2323638-11		L2323638-12		L2323638-01		L2323638-02		L2323638-03		L2323638-04		L2323638-05		L2323638-06	
				COLLECTION DATE:	5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023		5/1/2023	
				SAMPLE MATRIX:	SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL		SOIL - FILL	
	EPA-TCLP	Part 375 SCO Commercial	Part 375 SCO Industrial		East Side, 0 to 6 Inches BGS		East Side, 14 to 18 Inches BGS		East Side, 0 to 6 Inches BGS		East Side, 14 to 18 Inches BGS		East Side, 0 to 6 Inches BGS		East Side, 14 to 18 Inches BGS		West Side, 0 to 6 Inches BGS		West Side, 14 to 18 Inches BGS		West Side, 0 to 6 Inches BGS		West Side, 14 to 18 Inches BGS		West Side, 0 to 6 Inches BGS		West Side, 14 to 18 Inches BGS	
	(mg/l)	(mg/kg)	(mg/kg)																									
TCLP METALS BY EPA 1311																												
Arsenic, TCLP	5			<0.019	U	<0.019	U	<0.019	U	<0.019	U	<0.019	U	**0.0219**	J	<0.019	U	**<0.019**	U	**0.0259**	J	**0.0214**	J	**0.0275**	J	<0.019	U
Barium, TCLP	100			0.305	J	**0.47**	J	**0.69**		**1.35**		**0.397**	J	**0.456**	J	**0.239**	J	**0.972**		**0.104**	J	**0.344**	J	**0.233**	J	**0.329**	J
Cadmium, TCLP	1			<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Chromium, TCLP	5			<0.021	U	<0.021	U	<0.021	U	<0.021	U	<0.021	U	<0.021	U	<0.021	U	<0.021	U	<0.021	U	<0.021	U	<0.021	U	<0.021	U
Lead, TCLP	5			0.0992	J	<0.027	U	**0.0278**	J	<0.027	U	**0.0466**	J	<0.027	U	<0.027	U	<0.027	U	<0.027	U	<0.027	U	<0.027	U	<0.027	U
Mercury, TCLP	0.2			<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U	<0.0005	U
Selenium, TCLP	1			<0.035	U	<0.035	U	<0.035	U	<0.035	U	<0.035	U	<0.035	U	<0.035	U	<0.035	U	<0.035	U	<0.035	U	<0.035	U	<0.035	U
Silver, TCLP	5			<0.028	U	<0.028	U	<0.028	U	<0.028	U	<0.028	U	<0.028	U	<0.028	U	<0.028	U	<0.028	U	<0.028	U	<0.028	U	<0.028	U
TCLP HERBICIDES BY EPA 1311																												
2,4,5-TP (Silvex)	1			<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U
2,4-D	10			<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U
TCLP PESTICIDES BY EPA 1311																												
Chlordane	0.03			<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U	<0.000232	U
Endrin	0.02			<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U
Heptachlor	0.008			<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U	<0.000016	U
Heptachlor epoxide	0.008			<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U	<0.000021	U
Lindane	0.4			<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U	<0.000022	U
Methoxychlor	10			<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U	<0.000034	U
Toxaphene	0.5			<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U	<0.000314	U

* Comparison is not performed on parameters with non-numeric criteria.
EPA-TCLP: EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria per 40CFR Part 261 as of September 10, 2015.
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.

Qualifier Key
J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
Bold - Compound was detected
Green Highlighted - Compound concentration exceeds Commercial SCOs
Red Highlighted - Compound concentration exceeds Industrial SCOs
Yellow Highlighted - Compound concentration exceeds EPA TCLP Standards

Table 15D
Building Foundations Sub-Slab Soil Sampling
BCP-66 - Compressor Building
Riverview Innovation Technology Campus, Inc,
Tonawanda, New York

Analyte	SAMPLE ID:		BCP66EAST-06152023		BCP66WEST-06152023	
	LAB ID:		L2334255-01		L2334255-02	
	COLLECTION DATE:		6/15/2023		6/15/2023	
	SAMPLE DEPTH:		0' - 2' BGS		0' - 2' BGS	
	SAMPLE MATRIX:		SOIL - FILL		SOIL - FILL	
	Part 375 Commercial SCOs	Part 375 Industrial SCOs	Compressor Building Fill, East End		Compressor Building Fill, West End	
	(mg/kg)	(mg/kg)				
VOLATILE ORGANICS BY GC/MS						
1,1-Dichloroethane	240	480	**0.00073**	J	**0.019**	J
1,1-Dichloroethene	500	1000	<0.00034	U	**0.00054**	J
1,2,3-Trichlorobenzene			<0.00046	U	**0.024**	J
1,2,4-Trichlorobenzene			<0.00039	U	<0.0003	U
1,2-Dibromo-3-chloropropane			<0.0014	U	<0.0011	U
1,2-Dibromoethane			<0.0004	U	<0.00031	U
1,2-Dichlorobenzene	500	1000	<0.00021	U	**0.01**	
1,2-Dichloroethane	30	60	<0.00037	U	<0.00028	U
1,2-Dichloropropane			<0.00018	U	<0.00014	U
1,3-Dichlorobenzene	280	560	<0.00021	U	<0.00016	U
1,4-Dichlorobenzene	130	250	<0.00024	U	**0.0012**	J
1,4-Dioxane	130	250	<0.05	U	<0.039	U
2-Butanone	500	1000	<0.0032	U	**0.011**	
2-Hexanone			<0.0017	U	<0.0013	U
4-Methyl-2-pentanone			<0.0018	U	<0.0014	U
Acetone	500	1000	**0.011**	J	**0.076**	
Benzene	44	89	**0.0041**		**2.1**	
Bromochloromethane			<0.00029	U	<0.00023	U
Bromodichloromethane			<0.00016	U	<0.00012	U
Bromoform			<0.00035	U	<0.00027	U
Bromomethane			<0.00084	U	**0.078**	J
Carbon disulfide			<0.0065	U	<0.005	U
Carbon tetrachloride	22	44	<0.00033	U	<0.00025	U
Chlorobenzene	500	1000	<0.00018	U	<0.00014	U
Chloroethane			<0.00065	U	**0.0063**	
Chloroform	350	700	<0.0002	U	<0.00016	U
Chloromethane			<0.0013	U	<0.001	U
cis-1,2-Dichloroethene	500	1000	<0.00025	U	<0.00019	U
cis-1,3-Dichloropropene			<0.00023	U	<0.00017	U
Cyclohexane			<0.00078	U	**0.0046**	J
Dibromochloromethane			<0.0002	U	<0.00016	U
Dichlorodifluoromethane			<0.0013	U	<0.001	U
Ethylbenzene	390	780	**0.0024**		**0.14**	
Freon-113			<0.001	U	<0.00077	U
Isopropylbenzene			**0.00069**	J	**0.2**	
Methyl Acetate			<0.0014	U	**0.14**	J
Methyl cyclohexane			<0.00087	U	**0.012**	
Methyl tert butyl ether	500	1000	<0.00029	U	<0.00022	U
Methylene chloride	500	1000	<0.0033	U	<0.0025	U
o-Xylene			**0.0017**		**0.23**	
p/m-Xylene			**0.0031**		**0.3**	
Styrene			**0.00028**	J	**0.0048**	
Tetrachloroethene	150	300	<0.00028	U	**0.001**	

Table 15D
Building Foundations Sub-Slab Soil Sampling
BCP-66 - Compressor Building
Riverview Innovation Technology Campus, Inc,
Tonawanda, New York

Analyte	SAMPLE ID:		BCP66EAST-06152023		BCP66WEST-06152023	
	LAB ID:		L2334255-01		L2334255-02	
	COLLECTION DATE:		6/15/2023		6/15/2023	
	SAMPLE DEPTH:		0' - 2' BGS		0' - 2' BGS	
	SAMPLE MATRIX:		SOIL - FILL		SOIL - FILL	
	Part 375 Commercial SCOs	Part 375 Industrial SCOs	Compressor Building Fill, East End		Compressor Building Fill, West End	
	(mg/kg)	(mg/kg)				
Toluene	500	1000	**0.0013**	J	**0.046**	
trans-1,2-Dichloroethene	500	1000	<0.0002	U	<0.00015	U
trans-1,3-Dichloropropene			<0.00039	U	<0.0003	U
Trichloroethene	200	400	<0.0002	U	<0.00015	U
Trichlorofluoromethane			<0.001	U	<0.00077	U
Vinyl chloride	13	27	<0.00048	U	<0.00037	U
SEMIVOLATILE ORGANICS BY GC/MS						
1,2,4,5-Tetrachlorobenzene			<0.52	U	<0.032	U
2,3,4,6-Tetrachlorophenol			<1	U	<0.063	U
2,4,5-Trichlorophenol			<0.95	U	<0.06	U
2,4,6-Trichlorophenol			<0.94	U	<0.059	U
2,4-Dichlorophenol			<0.8	U	<0.05	U
2,4-Dimethylphenol			<1.6	U	<0.1	U
2,4-Dinitrophenol			<2.3	U	<0.14	U
2,4-Dinitrotoluene			<0.99	U	<0.062	U
2,6-Dinitrotoluene			<0.85	U	<0.053	U
2-Chloronaphthalene			<0.49	U	<0.031	U
2-Chlorophenol			<0.58	U	<0.037	U
2-Methylnaphthalene			**0.9**	J	**1.7**	
2-Methylphenol	500	1000	<0.77	U	0.28	J
2-Nitroaniline			<0.95	U	<0.06	U
2-Nitrophenol			<1.9	U	<0.12	U
3,3'-Dichlorobenzidine			<1.3	U	<0.083	U
3-Methylphenol/4-Methylphenol	500	1000	<0.77	U	0.52	
3-Nitroaniline			<0.93	U	<0.058	U
4,6-Dinitro-o-cresol			<2.4	U	<0.15	U
4-Bromophenyl phenyl ether			<0.75	U	<0.047	U
4-Chloroaniline			<0.9	U	<0.056	U
4-Chlorophenyl phenyl ether			<0.53	U	<0.033	U
4-Nitroaniline			<2	U	<0.13	U
4-Nitrophenol			<2	U	<0.13	U
Acenaphthene	500	1000	<0.51	U	**0.45**	
Acenaphthylene	500	1000	<0.76	U	**0.82**	
Acetophenone			<0.61	U	<0.038	U
Anthracene	500	1000	**1.2**	J	**0.58**	
Atrazine			<1.7	U	<0.11	U
Benzaldehyde			<1.3	U	<0.084	U
Benzo(a)anthracene	5.6	11	**3**		**1.6**	
Benzo(a)pyrene	1	1.1	**3.5**	J	**2.1**	
Benzo(b)fluoranthene	5.6	11	**4.2**		**2.9**	
Benzo(ghi)perylene	500	1000	**2.1**	J	**1.5**	
Benzo(k)fluoranthene	56	110	**1.5**	J	**0.8**	
Biphenyl			<0.64	U	**0.45**	J
Bis(2-chloroethoxy)methane			<0.5	U	<0.031	U
Bis(2-chloroethyl)ether			<0.67	U	<0.042	U
Bis(2-chloroisopropyl)ether			<0.84	U	<0.053	U

Table 15D
Building Foundations Sub-Slab Soil Sampling
BCP-66 - Compressor Building
Riverview Innovation Technology Campus, Inc,
Tonawanda, New York

Analyte	SAMPLE ID:		BCP66EAST-06152023		BCP66WEST-06152023	
	LAB ID:		L2334255-01		L2334255-02	
	COLLECTION DATE:		6/15/2023		6/15/2023	
	SAMPLE DEPTH:		0' - 2' BGS		0' - 2' BGS	
	SAMPLE MATRIX:		SOIL - FILL		SOIL - FILL	
	Part 375 Commercial SCOs (mg/kg)	Part 375 Industrial SCOs (mg/kg)	Compressor Building Fill, East End		Compressor Building Fill, West End	
Bis(2-ethylhexyl)phthalate			<1.7	U	**5.2**	
Butyl benzyl phthalate			<1.2	U	<0.078	U
Caprolactam			<1.5	U	<0.094	U
Carbazole			**0.5**	J	**0.26**	J
Chrysene	56	110	**3**		**1.6**	
Di-n-butylphthalate			<0.94	U	<0.059	U
Di-n-octylphthalate			<1.7	U	<0.1	U
Dibenzo(a,h)anthracene	0.56	1.1	<0.57	U	**0.31**	
Dibenzofuran	350	1000	**0.55**	J	**0.78**	
Diethyl phthalate			<0.46	U	<0.029	U
Dimethyl phthalate			<1	U	<0.065	U
Fluoranthene	500	1000	**4.7**		**2.7**	
Fluorene	500	1000	**0.78**	J	**0.93**	
Hexachlorobenzene	6	12	<0.55	U	<0.035	U
Hexachlorobutadiene			<0.72	U	<0.045	U
Hexachlorocyclopentadiene			<4.5	U	<0.28	U
Hexachloroethane			<0.8	U	<0.05	U
Indeno(1,2,3-cd)pyrene	5.6	11	**2.3**	J	**1.7**	
Isophorone			<0.64	U	<0.04	U
n-Nitrosodi-n-propylamine			<0.76	U	<0.048	U
Naphthalene	500	1000	**9**		**32**	
NDPA/DPA			<0.56	U	<0.035	U
Nitrobenzene			<0.73	U	<0.046	U
p-Chloro-m-cresol			<0.74	U	<0.046	U
Pentachlorophenol	6.7	55	<1.1	U	<0.068	U
Phenanthrene	500	1000	**3.6**		**2.2**	
Phenol	500	1000	<0.75	U	**1**	
Pyrene	500	1000	**3.8**		**2**	
Total SVOCs			44.63	-	61.38	-
TOTAL METALS						
Aluminum, Total			**7580**		**8290**	
Antimony, Total			**2.76**	J	**1.57**	J
Arsenic, Total	16	16	**17.2**		**11.2**	
Barium, Total	400	10000	**56.5**		**96.5**	
Beryllium, Total	590	2700	**0.547**	J	**0.852**	
Cadmium, Total	9.3	60	**0.894**	J	**0.454**	J
Calcium, Total			**59000**		**24100**	
Chromium, Total			**28.3**		**16.8**	
Cobalt, Total			**8.14**		**4.88**	
Copper, Total	270	10000	**53.6**		**186**	
Iron, Total			**42500**		**20700**	
Lead, Total	1000	3900	**96.5**		**55.7**	
Magnesium, Total			**8920**		**3500**	
Manganese, Total	10000	10000	**558**		**416**	
Mercury, Total	2.8	5.7	**2.14**		**1.47**	
Nickel, Total	310	10000	**19.7**		**14.1**	

Table 15D
Building Foundations Sub-Slab Soil Sampling
BCP-66 - Compressor Building
Riverview Innovation Technology Campus, Inc,
Tonawanda, New York

Analyte	SAMPLE ID:		BCP66EAST-06152023		BCP66WEST-06152023	
	LAB ID:		L2334255-01		L2334255-02	
	COLLECTION DATE:		6/15/2023		6/15/2023	
	SAMPLE DEPTH:		0' - 2' BGS		0' - 2' BGS	
	SAMPLE MATRIX:		SOIL - FILL		SOIL - FILL	
	Part 375 Commercial SCOs (mg/kg)	Part 375 Industrial SCOs (mg/kg)	Compressor Building Fill, East End		Compressor Building Fill, West End	
Potassium, Total			**1200**		**626**	
Selenium, Total	1500	6800	**4.1**		**1.99**	
Silver, Total	1500	6800	<0.325	U	<0.268	U
Sodium, Total			**180**	J	**186**	J
Thallium, Total			**1.31**	J	**0.527**	J
Vanadium, Total			**15**		**12.2**	
Zinc, Total	10000	10000	**178**		**360**	
GENERAL CHEMISTRY						
Cyanide, Total	27	10000	**62**		**9.4**	
Nitrogen, Ammonia			**300**		**150**	
pH (H)			**7.54**		**8.12**	
Solids, Total			**66.6**		**80.2**	

* Comparison is not performed on parameters with non-numeric criteria.
* There are two sets of reportable results for VOCs [8260] for sample BCP66WEST. The higher analyte detections and more senstive detection limits are shown.

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.

Qualifier Key
J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
Bold - Compound was detected
Green Highlighted - Compound concentration exceeded Commercial SCOs
Red Highlighted - Compound concentration exceeded Industrial SCOs

Table 16D
Building Foundations Sub Slab Soil Sampling
BCP-38 Pump House
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE			SAMPLE ID:		SD-BCP38-10-0TO24-06192023		SD-BCP38-10-24TO48-06192023		SS-BCP-25-07062023	
			LAB ID:		L2335000-01		L2335000-02		L2338425-01	
			COLLECTION DATE:		6/19/2023		6/19/2023		7/6/2023	
			SAMPLE DEPTH:		0" - 24" BGS		24" - 48" BGS		0" - 24" BGS	
			SAMPLE MATRIX:		SOIL - FILL		SOIL - CLAY		SOIL - COMPOSITE FILL	
	Part 375 SCO Commercial	Part 375 SCO Industrial			Below southern Pump House cooling troughs		Below southern Pump House cooling troughs		Below Pump House Slab	
	(mg/kg)	(mg/kg)								
VOLATILE ORGANICS BY GC/MS										
1,1,1-Trichloroethane	500	1000	**0.054**		<0.00016	U	<0.011	U		
1,1,2,2-Tetrachloroethane			<0.012	U	<0.00016	U	<0.011	U		
1,1,2-Trichloroethane			<0.019	U	<0.00026	U	<0.018	U		
1,1-Dichloroethane	240	480	**0.016**	J	<0.00014	U	<0.0098	U		
1,1-Dichloroethene	500	1000	<0.017	U	<0.00023	U	<0.016	U		
1,2,3-Trichlorobenzene			<0.023	U	<0.00032	U	<0.022	U		
1,2,4-Trichlorobenzene			<0.019	U	<0.00027	U	<0.018	U		
1,2-Dibromo-3-chloropropane			<0.07	U	<0.00098	U	<0.067	U		
1,2-Dibromoethane			<0.02	U	<0.00027	U	<0.019	U		
1,2-Dichlorobenzene	500	1000	<0.01	U	<0.00014	U	<0.0097	U		
1,2-Dichloroethane	30	60	<0.018	U	<0.00025	U	<0.017	U		
1,2-Dichloropropane			<0.0088	U	<0.00012	U	<0.0084	U		
1,3-Dichlorobenzene	280	560	<0.01	U	<0.00014	U	<0.01	U		
1,4-Dichlorobenzene	130	250	<0.012	U	<0.00017	U	<0.012	U		
1,4-Dioxane	130	250	<2.5	U	<0.034	U	<2.4	U		
2-Butanone	500	1000	<0.16	U	<0.0022	U	<0.15	U		
2-Hexanone			<0.083	U	<0.0012	U	<0.079	U		
4-Methyl-2-pentanone			<0.09	U	<0.0012	U	<0.086	U		
Acetone	500	1000	**0.45**	J	**0.016**		<0.32	U		
Benzene	44	89	**2.7**		<0.00016	U	**1.6**			
Bromochloromethane			<0.014	U	<0.0002	U	<0.014	U		
Bromodichloromethane			<0.0077	U	<0.00011	U	<0.0073	U		
Bromoform			<0.017	U	<0.00024	U	<0.016	U		
Bromomethane			<0.041	U	<0.00057	U	<0.039	U		
Carbon disulfide			<0.32	U	<0.0045	U	<0.31	U		
Carbon tetrachloride	22	44	<0.016	U	<0.00023	U	<0.015	U		
Chlorobenzene	500	1000	<0.009	U	<0.00012	U	<0.0086	U		
Chloroethane			<0.032	U	<0.00044	U	<0.03	U		
Chloroform	350	700	<0.0099	U	<0.00014	U	<0.0094	U		
Chloromethane			<0.066	U	<0.00092	U	<0.063	U		
cis-1,2-Dichloroethene	500	1000	<0.012	U	<0.00017	U	<0.012	U		
cis-1,3-Dichloropropene			<0.011	U	<0.00016	U	<0.011	U		
Cyclohexane			**0.038**	J	<0.00054	U	<0.037	U		
Dibromochloromethane			<0.0099	U	<0.00014	U	<0.0094	U		
Dichlorodifluoromethane			<0.065	U	<0.0009	U	<0.062	U		
Ethylbenzene	390	780	**0.54**		**0.00026**	J	**0.77**			
Freon-113			<0.049	U	<0.00068	U	<0.047	U		
Isopropylbenzene			**0.07**	J	**0.00016**	J	**0.055**	J		
Methyl Acetate			**0.44**		<0.00093	U	**0.34**			
Methyl cyclohexane			**0.15**	J	<0.00059	U	<0.041	U		
Methyl tert butyl ether	500	1000	<0.014	U	<0.0002	U	<0.014	U		
Methylene chloride	500	1000	<0.16	U	<0.0022	U	<0.15	U		
o-Xylene			**0.94**		<0.00029	U	**2**			
p/m-Xylene			**2.2**		<0.00055	U	**6.2**			
Styrene			**0.21**		<0.00019	U	**0.91**			
Tetrachloroethene	150	300	**0.031**	J	<0.00019	U	<0.013	U		
Toluene	500	1000	**1.3**		<0.00053	U	**2.3**			
trans-1,2-Dichloroethene	500	1000	<0.0097	U	<0.00013	U	<0.0092	U		
trans-1,3-Dichloropropene			<0.019	U	<0.00027	U	<0.018	U		
Trichloroethene	200	400	<0.0097	U	<0.00013	U	<0.0092	U		
Trichlorofluoromethane			<0.049	U	<0.00068	U	<0.047	U		
Vinyl chloride	13	27	<0.024	U	<0.00033	U	<0.022	U		
Total VOCs			9.139	-	0.01642	-	14.175	-		

Table 16D
Building Foundations Sub Slab Soil Sampling
BCP-38 Pump House
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE			SAMPLE ID:		SD-BCP38-10-0TO24-06192023		SD-BCP38-10-24TO48-06192023		SS-BCP-25-07062023	
			LAB ID:		L2335000-01		L2335000-02		L2338425-01	
			COLLECTION DATE:		6/19/2023		6/19/2023		7/6/2023	
			SAMPLE DEPTH:		0" - 24" BGS		24" - 48" BGS		0" - 24" BGS	
			SAMPLE MATRIX:		SOIL - FILL		SOIL - CLAY		SOIL - COMPOSITE FILL	
	Part 375 SCO Commercial	Part 375 SCO Industrial			Below southern Pump House cooling troughs		Below southern Pump House cooling troughs		Below Pump House Slab	
	(mg/kg)	(mg/kg)								
SEMIVOLATILE ORGANICS BY GC/MS										
1,2,4,5-Tetrachlorobenzene					<0.43	U	<0.02	U	<6.7	U
2,3,4,6-Tetrachlorophenol					<0.83	U	<0.038	U	<13	U
2,4,5-Trichlorophenol					<0.79	U	<0.036	U	<12	U
2,4,6-Trichlorophenol					<0.78	U	<0.036	U	<12	U
2,4-Dichlorophenol					<0.66	U	<0.03	U	<10	U
2,4-Dimethylphenol					<1.4	U	<0.062	U	**150**	
2,4-Dinitrophenol					<1.9	U	<0.087	U	<30	U
2,4-Dinitrotoluene					<0.82	U	<0.038	U	<13	U
2,6-Dinitrotoluene					<0.7	U	<0.032	U	<11	U
2-Chloronaphthalene					<0.41	U	<0.019	U	<6.3	U
2-Chlorophenol					<0.48	U	<0.022	U	<7.5	U
2-Methylnaphthalene					**48**		**0.15**	J	**1400**	
2-Methylphenol	500	1000			**2.7**	J	<0.029	U	**160**	
2-Nitroaniline					<0.79	U	<0.036	U	<12	U
2-Nitrophenol					<1.5	U	<0.07	U	<24	U
3,3'-Dichlorobenzidine					<1.1	U	<0.05	U	<17	U
3-Methylphenol/4-Methylphenol	500	1000			**5.6**	J	<0.029	U	**400**	
3-Nitroaniline					<0.77	U	<0.035	U	<12	U
4,6-Dinitro-o-cresol					<2	U	<0.09	U	<31	U
4-Bromophenyl phenyl ether					<0.63	U	<0.029	U	<9.7	U
4-Chloroaniline					<0.75	U	<0.034	U	<12	U
4-Chlorophenyl phenyl ether					<0.44	U	<0.02	U	<6.8	U
4-Nitroaniline					<1.7	U	<0.078	U	<26	U
4-Nitrophenol					<1.7	U	<0.076	U	<26	U
Acenaphthene	500	1000			**48**		**0.26**		**130**	
Acenaphthylene	500	1000			**66**		**0.5**		**1300**	
Acetophenone					<0.51	U	<0.023	U	<7.9	U
Anthracene	500	1000			**63**		**0.44**		**4200**	
Atrazine					<1.4	U	<0.066	U	<22	U
Benzaldehyde					<1.1	U	<0.051	U	<17	U
Benzo(a)anthracene	5.6	11			**74**		**0.56**		**1500**	
Benzo(a)pyrene	1	1.1			**83**		**0.61**		**840**	
Benzo(b)fluoranthene	5.6	11			**97**		**0.77**		**1100**	
Benzo(ghi)perylene	500	1000			**43**		**0.9**		**340**	
Benzo(k)fluoranthene	56	110			**32**		**0.18**		**390**	
Biphenyl					**13**		**0.043**	J	**260**	
Bis(2-chloroethoxy)methane					<0.41	U	<0.019	U	<6.4	U
Bis(2-chloroethyl)ether					<0.56	U	<0.025	U	<8.6	U
Bis(2-chloroisopropyl)ether					<0.7	U	<0.032	U	<11	U
Bis(2-ethylhexyl)phthalate					<1.4	U	0.093	J	<22	U
Butyl benzyl phthalate					<1	U	<0.047	U	<16	U
Caprolactam					<1.2	U	<0.057	U	<19	U
Carbazole					**29**		**0.16**	J	**2100**	
Chrysene	56	110			**70**		**0.5**		**2400**	
Di-n-butylphthalate					<0.78	U	<0.036	U	<12	U
Di-n-octylphthalate					<1.4	U	<0.064	U	<22	U
Dibenzo(a,h)anthracene	0.56	1.1			**10**		**0.12**		**200**	
Dibenzofuran	350	1000			**53**		**0.2**		**920**	
Diethyl phthalate					<0.38	U	<0.017	U	<5.9	U
Dimethyl phthalate					<0.86	U	<0.039	U	<13	U
Fluoranthene	500	1000			**200**		**1.3**		**28000**	
Fluorene	500	1000			**73**		**0.33**		**2000**	
Hexachlorobenzene	6	12			<0.46	U	<0.021	U	<7.2	U
Hexachlorobutadiene					<0.6	U	<0.027	U	<9.3	U

Table 16D
Building Foundations Sub Slab Soil Sampling
BCP-38 Pump House
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

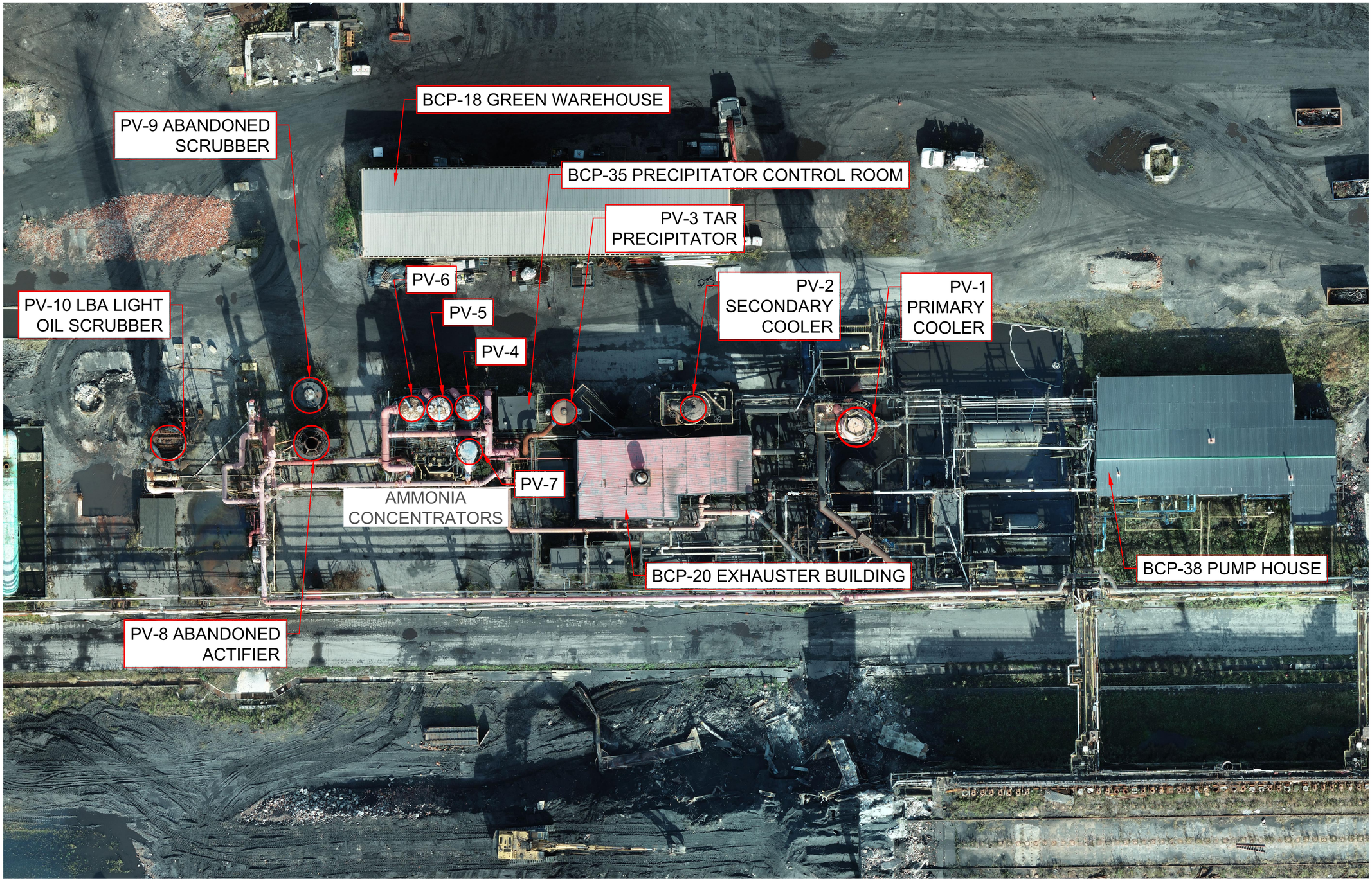
ANALYTE			SAMPLE ID:		SD-BCP38-10-0TO24-06192023		SD-BCP38-10-24TO48-06192023		SS-BCP-25-07062023	
			LAB ID:		L2335000-01		L2335000-02		L2338425-01	
			COLLECTION DATE:		6/19/2023		6/19/2023		7/6/2023	
			SAMPLE DEPTH:		0" - 24" BGS		24" - 48" BGS		0" - 24" BGS	
			SAMPLE MATRIX:		SOIL - FILL		SOIL - CLAY		SOIL - COMPOSITE FILL	
	Part 375 SCO Commercial	Part 375 SCO Industrial			Below southern Pump House cooling troughs		Below southern Pump House cooling troughs		Below Pump House Slab	
	(mg/kg)	(mg/kg)								
Hexachlorocyclopentadiene					<3.7	U	<0.17	U	<58	U
Hexachloroethane					<0.66	U	<0.03	U	<10	U
Indeno(1,2,3-cd)pyrene	5.6	11			**50**		**0.55**		**480**	
Isophorone					<0.53	U	<0.024	U	<8.3	U
n-Nitrosodi-n-propylamine					<0.63	U	<0.029	U	<9.8	U
Naphthalene	500	1000			**400**		**0.91**		**5500**	
NDPA/DPA					<0.47	U	<0.021	U	<7.3	U
Nitrobenzene					<0.61	U	<0.028	U	<9.4	U
p-Chloro-m-cresol					<0.61	U	<0.028	U	<9.5	U
Pentachlorophenol	6.7	55			<0.9	U	<0.041	U	<14	U
Phenanthrene	500	1000			**230**		**1.3**		**5000**	
Phenol	500	1000			**6.8**		<0.028	U	**180**	
Pyrene	500	1000			**140**		**0.96**		**1600**	
Total SVOCs					1767.1	-	10.836	-	33650	-
POLYCHLORINATED BIPHENYLS BY GC										
Aroclor 1016	1	25			<0.00521	U	<0.00486	U	NS	-
Aroclor 1221	1	25			<0.00588	U	<0.00548	U	NS	-
Aroclor 1232	1	25			<0.0124	U	<0.0116	U	NS	-
Aroclor 1242	1	25			<0.00791	U	<0.00738	U	NS	-
Aroclor 1248	1	25			<0.0088	U	<0.00821	U	NS	-
Aroclor 1254	1	25			**0.0823**		<0.00599	U	NS	-
Aroclor 1260	1	25			<0.0108	U	<0.0101	U	NS	-
Aroclor 1262	1	25			<0.00745	U	<0.00695	U	NS	-
Aroclor 1268	1	25			<0.00608	U	<0.00567	U	NS	-
PCBs, Total	1	25			0.0823		<0.00486	U	NS	-
TOTAL METALS										
Aluminum, Total					**10100**		**11000**		**12300**	
Antimony, Total					**0.69**	J	<0.332	U	**1.31**	J
Arsenic, Total	16	16			**15**		**4.79**		**12.8**	
Barium, Total	400	10000			**122**		**97.1**		**130**	
Beryllium, Total	590	2700			**1.21**		**0.473**		**0.746**	
Cadmium, Total	9.3	60			**0.87**	J	**0.362**	J	**1.6**	
Calcium, Total					**32900**		**58200**		**10300**	
Chromium, Total					**12.5**		**17.2**		**22.2**	
Cobalt, Total					**4.21**		**10.6**		**7.69**	
Copper, Total	270	10000			**36.4**		**20.9**		**37.9**	
Iron, Total					**23900**		**21700**		**27600**	
Lead, Total	1000	3900			**84.8**		**11.1**		**155**	
Magnesium, Total					**4420**		**16400**		**2980**	
Manganese, Total	10000	10000			**695**		**507**		**293**	
Mercury, Total	2.8	5.7			**0.878**		<0.055	U	**1.81**	
Nickel, Total	310	10000			**11.8**		**24.9**		**14.4**	
Potassium, Total					**382**		**1160**		**1030**	
Selenium, Total	1500	6800			**8.96**		**0.631**	J	**1**	J
Silver, Total	1500	6800			<0.277	U	<0.247	U	<0.301	U
Sodium, Total					**151**	J	**175**		**223**	
Thallium, Total					**0.339**	J	**0.475**	J	**2.07**	J
Vanadium, Total					**11.7**		**23.5**		**28**	
Zinc, Total	10000	10000			**370**		**63.8**		**157**	

Table 16D
Building Foundations Sub Slab Soil Sampling
BCP-38 Pump House
Riverview Innovation Technology Campus, Inc.,
Tonawanda, New York

ANALYTE			SAMPLE ID:	SD-BCP38-10-0TO24-06192023	SD-BCP38-10-24TO48-06192023	SS-BCP-25-07062023
			LAB ID:	L2335000-01	L2335000-02	L2338425-01
			COLLECTION DATE:	6/19/2023	6/19/2023	7/6/2023
			SAMPLE DEPTH:	0" - 24" BGS	24" - 48" BGS	0" - 24" BGS
			SAMPLE MATRIX:	SOIL - FILL	SOIL - CLAY	SOIL - COMPOSITE FILL
	Part 375 SCO Commercial	Part 375 SCO Industrial		Below southern Pump House cooling troughs	Below southern Pump House cooling troughs	Below Pump House Slab
	(mg/kg)	(mg/kg)				
GENERAL CHEMISTRY						
Cyanide, Total	27	10000		**8.9**	<0.23 U	**15**
Nitrogen, Ammonia				**320**	**74**	**600**
pH (H)				**7.92**	**8.39**	NS
Solids, Total				**80.7**	**88.2**	**73.8**

* 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
NY-RESI: New York NYCRR Part 375 Industrial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental

Qualifier Key
J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
Bold - Compound was detected
Green Highlighted - Compound concentration exceeds Commercial SCOs
Red Highlighted - Compound concentration exceeds Industrial SCOs



N

40 0 10 20 40 80

1 INCH = 20 FEET (22X34)

D

DRAWING BY	RB
CHECKED	
APPROVED	

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PROCESS EQUIPMENT IRM LOCATIONS
RIVERVIEW INNOVATION & TECHNOLOGY CAMPUS, INC.
3875 RIVER ROAD
TONAWANDA, NEW YORK 14150
BCP SITE No. C915353

INVENTUM ENGINEERING
441 CARLISLE DRIVE
SUITE C
HERNDON, VIRGINIA 20170
(703) 722-6049
www.InventumEng.com

FIGURE 1E

DRAWING NUMBER
DATA TRANSMITTAL

Table 1E
Process Equipment IRM
Process Vessel Contents
Riverview Innovation Technology Campus, Inc.
Town of Tonawanda, New York

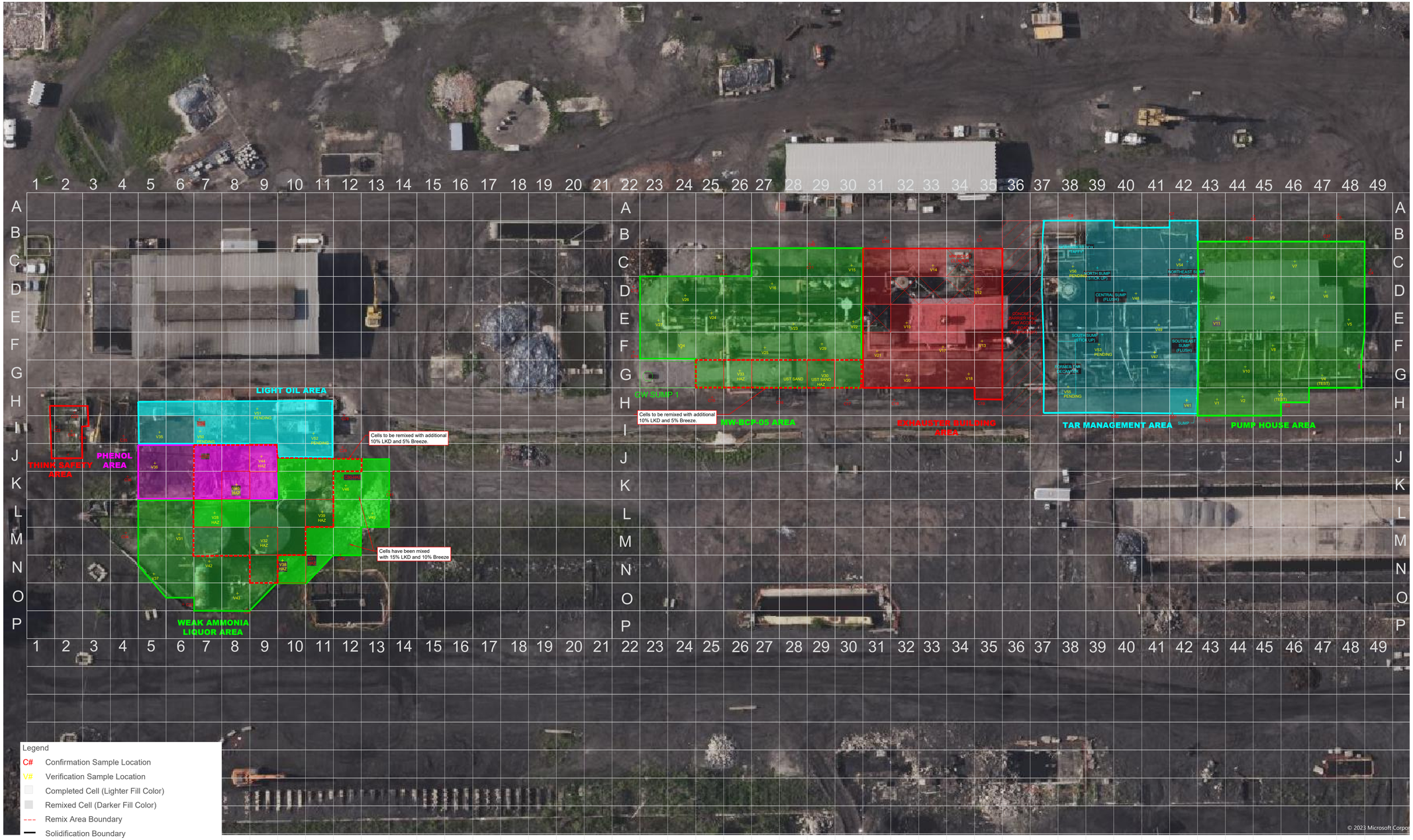
Analytes	EPA TCLP Standards	Units	West LBA-05042022		PV10-WOOD-10252022		PV-5-SD-08252022		SD-PV8-09092022	
		Description	PV10, Black solid		PV10, Black wood		PV-5, Black sludge		PV8, Black solid, rings	
		Volume	11CY (Bottom Segment)		600 CY		22 CY (PV4,5,6,7)		20 - 30 tons	
		Waste Code	K143, D018, D009		K143		D018		None	
		Report	222043		225099		L2246304		L2249313, L2253872	
SW8260C										
1,1,1-Trichloroethane (TCA)		ug/kg	<10900	U	<93500	U	<21000	U	<180	U
1,1,2,2-Tetrachloroethane		ug/kg	<10900	U	<93500	U	<20000	U	<180	U
1,1,2-Trichloroethane		ug/kg	<10900	U	<93500	U	<33000	U	<290	U
1,1-Dichloroethane		ug/kg	<10900	U	<93500	U	<18000	U	<160	U
1,1-Dichloroethene		ug/kg	<10900	U	<93500	U	<29000	U	<260	U
1,2,3-Trichlorobenzene		ug/kg	<27100	U	<234000	U	<40000	U	<350	U
1,2,4-Trichlorobenzene		ug/kg	<27100	U	<234000	U	<34000	U	<300	U
1,2-Dibromo-3-Chloropropane		ug/kg	<54300	U	<467000	U	<120000	U	<1100	U
1,2-Dibromoethane (Ethylene Dibromide)		ug/kg	<10900	U	<93500	U	<34000	U	<300	U
1,2-Dichlorobenzene		ug/kg	<10900	U	<93500	U	<18000	U	<160	U
1,2-Dichloroethane		ug/kg	<10900	U	<93500	U	<32000	U	<280	U
1,2-Dichloropropane		ug/kg	<10900	U	<93500	U	<15000	U	<140	U
1,3-Dichlorobenzene		ug/kg	<10900	U	<93500	U	<18000	U	<160	U
1,4-Dichlorobenzene		ug/kg	<10900	U	<93500	U	<21000	U	<190	U
1,4-Dioxane (P-Dioxane)		ug/kg	<54300	U	<467000	U	<4300000	U	<38000	U
Methyl Ethyl Ketone (2-Butanone)		ug/kg	<54300	U	<467000	U	<280000	U	<2400	U
2-Hexanone		ug/kg	<27100	U	<234000	U	<150000	U	<1300	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		ug/kg	<27100	U	<234000	U	<160000	U	<1400	U
Acetone		ug/kg	<54300	U	<467000	U	<600000	U	<5200	U
Benzene		ug/kg	**307000**		<93500	U	**80000**		<180	U
Bromochloromethane		ug/kg	<27100	U	<234000	U	<25000	U	<220	U
Bromodichloromethane		ug/kg	<10900	U	<93500	U	<14000	U	<120	U
Bromoform		ug/kg	<27100	U	<234000	U	<30000	U	<270	U
Bromomethane		ug/kg	<10900	U	<93500	U	<72000	U	<630	U
Carbon Disulfide		ug/kg	<10900	U	<93500	U	<560000	U	<4900	U
Carbon Tetrachloride		ug/kg	<10900	U	<93500	U	<28000	U	<250	U
Chlorobenzene		ug/kg	<10900	U	<93500	U	<16000	U	<140	U
Chloroethane		ug/kg	<10900	U	<93500	U	<56000	U	<490	U
Chloroform		ug/kg	<10900	U	<93500	U	<17000	U	<150	U
Chloromethane		ug/kg	<10900	U	<93500	U	<120000	U	<1000	U
Cyclohexane		ug/kg	<54300	U	<467000	U	NS		<590	U
Dibromochloromethane		ug/kg	<10900	U	<93500	U	<17000	U	<150	U
Dichlorodifluoromethane		ug/kg	<10900	U	<93500	U	<110000	U	<1000	U
Methylene Chloride (Dichloromethane)		ug/kg	<27100	U	<234000	U	<280000	U	<2500	U
Ethylbenzene		ug/kg	**11200**		<93500	U	**34000**	J	<150	U
Isopropylbenzene (Cumene)		ug/kg	<10900	U	<935000	U	<14000	U	<120	U
Methyl Acetate		ug/kg	<10900	U	<93500	U	NS		<1000	U
Tert-Butyl Methyl Ether		ug/kg	<10900	U	<93500	U	<25000	U	<220	U
Methylcyclohexane		ug/kg	<10900	U	<93500	U	NS		<660	U
Styrene		ug/kg	<27100	U	<234000	U	**140000**		**320**	J
Tetrachloroethylene (PCE)		ug/kg	<10900	U	<93500	U	<24000	U	<210	U
Toluene		ug/kg	**365000**		<93500	U	**270000**		<590	U
Trichloroethylene (TCE)		ug/kg	<10900	U	<93500	U	<17000	U	<150	U
Trichlorofluoromethane		ug/kg	<10900	U	<93500	U	<86000	U	<760	U
Vinyl Chloride		ug/kg	<10900	U	<93500	U	<42000	U	<360	U
Cis-1,2-Dichloroethylene		ug/kg	<10900	U	<93500	U	<22000	U	<190	U
Cis-1,3-Dichloropropene		ug/kg	<10900	U	<93500	U	<20000	U	<170	U
m,p-Xylene		ug/kg	**302000**		**210000**		**240000**	J	<610	U
O-Xylene (1,2-Dimethylbenzene)		ug/kg	**75200**		<93500	U	**79000**	J	<320	U
Trans-1,2-Dichloroethene		ug/kg	<10900	U	<93500	U	<17000	U	<150	U
Trans-1,3-Dichloropropene		ug/kg	<10900	U	<93500	U	<34000	U	<300	U
SW8270D										
1,1-Biphenyl		ug/kg	<7910000	U	<2180000	U	NS		NS	
1,2,4,5-Tetrachlorobenzene		ug/kg	<7910000	U	<2180000	U	<35000	U	<920	U
2,3,4,6-Tetrachlorophenol		ug/kg	<7910000	U	<2180000	U	NS		NS	
2,4,5-Trichlorophenol		ug/kg	<7910000	U	<2180000	U	<64000	U	<1700	U
2,4,6-Trichlorophenol		ug/kg	<7910000	U	<2180000	U	<63000	U	<1700	U
2,4-Dichlorophenol		ug/kg	<7910000	U	<2180000	U	<54000	U	<1400	U
2,4-Dimethylphenol		ug/kg	<7910000	U	<2180000	U	**220000**	J	<2900	U
2,4-Dinitrophenol		ug/kg	<31700000	U	<8730000	U	<160000	U	<4100	U
2,4-Dinitrotoluene		ug/kg	<7910000	U	<2180000	U	<66000	U	<1800	U
2,6-Dinitrotoluene		ug/kg	<7910000	U	<2180000	U	<57000	U	<1500	U
2-Chloronaphthalene		ug/kg	<7910000	U	<2180000	U	<33000	U	<880	U
2-Chlorophenol		ug/kg	<7910000	U	<2180000	U	<39000	U	<1000	U
2-Methylnaphthalene		ug/kg	<7910000	U	**3180000**		**20000000**		**260000**	
2-Methylphenol (O-Cresol)		ug/kg	<7910000	U	<2180000	U	**330000**		<1400	U
2-Nitroaniline		ug/kg	<7910000	U	<2180000	U	<64000	U	<1700	U
2-Nitrophenol		ug/kg	<7910000	U	<2180000	U	<120000	U	<3300	U
3,3'-Dichlorobenzidine		ug/kg	<7910000	U	<2180000	U	<88000	U	<2400	U
Cresols, M & P (3&4-Methylphenol)		ug/kg	<7910000	U	<2180000	U	**220000**	J	**1700**	J
3-Nitroaniline		ug/kg	<7910000	U	<2180000	U	<63000	U	<1700	U
4,6-Dinitro-2-Methylphenol		ug/kg	<10600000	U	<2920000	U	<160000	U	<4200	U
4-Bromophenyl Phenyl Ether		ug/kg	<7910000	U	<2180000	U	<51000	U	<1300	U
4-Chloro-3-Methylphenol		ug/kg	<7910000	U	<2180000	U	NS		<1300	U
4-Chloroaniline		ug/kg	<7910000	U	<2180000	U	<60000	U	<1600	U
4-Chlorophenyl Phenyl Ether		ug/kg	<7910000	U	<2180000	U	<36000	U	<950	U
4-Nitroaniline		ug/kg	<7910000	U	<2180000	U	<140000	U	<3700	U
4-Nitrophenol		ug/kg	<7910000	U	<2180000	U	<140000	U	<3600	U
Acenaphthene		ug/kg	<7910000	U	<2180000	U	**460000**		**13000**	
Acenaphthylene		ug/kg	<7910000	U	<2180000	U	**9300000**		**92000**	
Acetophenone		ug/kg	<7910000	U	<2180000	U	**76000**	J	**4800**	J
Anthracene		ug/kg	<7910000	U	<2180000	U	**4300000**		**88000**	
Atrazine		ug/kg	<7910000	U	<2180000	U	NS		NS	
Benzo(A)Anthracene		ug/kg	<7910000	U	<2180000	U	**4200000**		**220000**	
Benzaldehyde		ug/kg	<7910000	U	<2180000	U	NS		NS	
Benzo(A)Pyrene		ug/kg	<7910000	U	<2180000	U	**2500000**		**99000**	
Benzo(B)Fluoranthene		ug/kg	<7910000	U	<2180000	U	**3200000**		**240000**	
Benzo(G,H,I)Perylene		ug/kg	<7910000	U	<2180000	U	**860000**		**70000**	
Benzo(K)Fluoranthene		ug/kg	<7910000	U	<2180000	U	**990000**		**73000**	
Biphenyl (Diphenyl)		ug/kg	<7910000	U	<2180000	U	**2400000**		**44000**	
Bis(2-Chloroisopropyl) Ether		ug/kg	<7910000	U	<2180000	U	<57000	U	<1500	U
Bis(2-Chloroethoxy) Methane		ug/kg	<7910000	U	<2180000	U	<33000	U	<890	U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)		ug/kg	<7910000	U	<2180000	U	<45000	U	<1200	U
Bis(2-Ethylhexyl) Phthalate		ug/kg	<7910000	U	<2180000	U	<84000	U	**10000**	
Benzyl Butyl Phthalate		ug/kg	<7910000	U	<2180000	U	<84000	U	<2200	U
Caprolactam		ug/kg	<7910000	U	<2180000	U	NS		NS	
Carbazole		ug/kg	<7910000	U	<2180000	U	**1200000**		**63000**	
Chrysene		ug/kg	<7910000	U	<2180000	U	**4700000**		**270000**	
Di-N-Butyl Phthalate		ug/kg	<7910000	U	<2180000	U	<63000	U	<1700	U
Di-N-Octylphthalate		ug/kg	<7910000	U	<2180000	U	<110000	U	<3000	U
Dibenz(A,H)Anthracene		ug/kg	<7910000	U	<2180000	U	**450000**		**27000**	
Dibenzofuran		ug/kg	<7910000	U	<2180000	U	**3600000**		**170000**	
Diethyl Phthalate		ug/kg	<7910000	U	<2180000	U	<31000	U	<820	U

Table 1E
Process Equipment IRM
Process Vessel Contents
Riverview Innovation Technology Campus, Inc.
Town of Tonawanda, New York

Analytes	EPA TCLP Standards	Units	West LBA-05042022		PV10-WOOD-10252022		PV-5-SD-08252022		SD-PV8-09092022	
		Description	PV10, Black solid		PV10, Black wood		PV-5, Black sludge		PV8, Black solid, rings	
		Volume	11CY (Bottom Segment)		600 CY		22 CY (PV4,5,6,7)		20 - 30 tons	
		Waste Code	K143, D018, D009		K143		D018		None	
		Report	222043		225099		L2246304		L2249313, L2253872	
Dimethyl Phthalate		ug/kg	<7910000	U	<2180000	U	<70000	U	<1800	U
Fluoranthene		ug/kg	<7910000	U	<2180000	U	**7900000**		**300000**	
Fluorene		ug/kg	<7910000	U	<2180000	U	**4900000**		**120000**	
Hexachlorobenzene		ug/kg	<7910000	U	<2180000	U	<37000	U	<990	U
Hexachlorobutadiene		ug/kg	<7910000	U	<2180000	U	<49000	U	<1300	U
Hexachlorocyclopentadiene		ug/kg	<31700000	U	<8730000	U	<300000	U	<8000	U
Hexachloroethane		ug/kg	<7910000	U	<2180000	U	<54000	U	<1400	U
Indeno(1,2,3-C,D)Pyrene		ug/kg	<7910000	U	<2180000	U	**1000000**		**88000**	
Isophorone		ug/kg	<7910000	U	<2180000	U	<43000	U	<1100	U
N-Nitrosodi-N-Propylamine		ug/kg	<7910000	U	<2180000	U	<51000	U	<1400	U
N-Nitrosodiphenylamine		ug/kg	<7910000	U	<2180000	U	<38000	U	<1000	U
Naphthalene		ug/kg	**48100000**		**35400000**		**510000000**		**370000**	
Nitrobenzene		ug/kg	<7910000	U	<2180000	U	<49000	U	<1300	U
Pentachlorophenol		ug/kg	<15800000	U	<4360000	U	<73000	U	<1900	U
Phenanthrene		ug/kg	<7910000	U	<2180000	U	**12000000**		**320000**	
Phenol		ug/kg	<7910000	U	<2180000	U	<50000	U	<1300	U
Pyrene		ug/kg	<7910000	U	<2180000	U	**5100000**		**300000**	
SW6010										
Aluminum		mg/kg	**180**		NS		**95.4**		**257**	
Antimony		mg/kg	<4.08	U	NS		**1.36**	J	**6.68**	J
Arsenic		mg/kg	**23.3**		**6.45**		**9.28**		**9.94**	
Barium		mg/kg	**8.19**		<4.76	U	**6.00**		**20.8**	
Beryllium		mg/kg	<0.340	U	NS		<0.044	U	<0.276	U
Cadmium		mg/kg	**3.33**		**0.530**		**3.64**		**4.51**	J
Calcium		mg/kg	**2970**		NS		**12700**		**13400**	
Chromium, Total		mg/kg	**9.54**		**1.42**		**24.8**		**65.8**	
Cobalt		mg/kg	<3.40	U	<2.38	U	**2.57**	J	<1.39	U
Copper		mg/kg	**3.05**		**2.78**		**129**		**10.0**	
Iron		mg/kg	**14000**		NS		**71900**		**206000**	
Lead		mg/kg	**150**		**14.3**		**33.1**		**22.6**	J
Magnesium		mg/kg	<170	U	NS		**60.2**		**4720**	
Manganese		mg/kg	**101**		**42.5**		**511**		**774**	
Nickel		mg/kg	<2.72	U	<1.90	U	**7.62**		**6.35**	J
Potassium		mg/kg	<170	U	NS		**36**	J	<120.0	U
Selenium		mg/kg	**5.34**		**3.03**		**0.709**		<2.16	U
Silver		mg/kg	<0.680	U	<0.476	U	<0.379	U	<2.36	U
Sodium		mg/kg	<170	U	NS		**62.4**	J	**15300**	
Thallium		mg/kg	<1.70	U	NS		<0.422	U	<2.63	U
Vanadium		mg/kg	**2.02**		NS		**5.97**		**4.43**	J
Zinc		mg/kg	**490**		**108**		**11.6**		**60.1**	
SW7471										
Mercury		mg/kg	NS		**98.7**		**25.4**		**230**	
8082A										
PCB-1016 (Aroclor 1016)		ug/kg	<1.07	U	NS		<70.8	U	<8.01	U
PCB-1221 (Aroclor 1221)		ug/kg	<1.07	U	NS		<79.8	U	<9.04	U
PCB-1232 (Aroclor 1232)		ug/kg	<1.07	U	NS		<169.0	U	<19.1	U
PCB-1242 (Aroclor 1242)		ug/kg	<1.07	U	NS		<107.0	U	<12.2	U
PCB-1248 (Aroclor 1248)		ug/kg	<1.07	U	NS		<120.0	U	<13.5	U
PCB-1254 (Aroclor 1254)		ug/kg	<1.07	U	NS		<87.2	U	<9.87	U
PCB-1260 (Aroclor 1260)		ug/kg	<1.07	U	NS		<147.0	U	<16.7	U
E350.1M										
Nitrogen, Ammonia (As N)		mg/kg	**7810**		NS		**300**		**11000**	
SW9012B										
Cyanide		mg/kg	**296**		NS		**130**		**1000**	
SOLIDS										
Total Solids		%	**71.4**		**76.2**		**59.2**		**93.0**	
SW9045D										
pH		ph units	**7.38**		**6.47**		**8.5**		**5.9**	
TCLP - SW8260C										
1,2-Dichloroethane	500	ug/l	<400	U	<100	U	<1.3	U	<1.3	U
Chlorobenzene	100,000	ug/l	<400	U	<100	U	<1.8	U	<1.8	U
Tetrachloroethylene (PCE)	700	ug/l	<400	U	<100	U	<1.8	U	<1.8	U
Carbon Tetrachloride	500	ug/l	<400	U	<100	U	<1.3	U	<1.3	U
Chloroform	6,000	ug/l	<400	U	<100	U	<2.2	U	<2.2	U
Benzene	500	ug/l	**6740**		**142**		**1100**		<1.6	U
Vinyl Chloride	200	ug/l	<400	U	<100	U	<0.71	U	<0.71	U
1,1-Dichloroethene	700	ug/l	<400	U	<100	U	NS		<1.7	U
Methyl Ethyl Ketone (2-Butanone)	200,000	ug/l	<2000	U	<500	U	<19.0	U	<19.0	U
Trichloroethylene (TCE)	500	ug/l	<400	U	<100	U	<1.8	U	<1.8	U
TCLP - SW8270D										
1,4-Dichlorobenzene	7,500	ug/l	<50	U	<40.0	U	NS		NS	
2,4,5-Trichlorophenol	400,000	ug/l	<50	U	<40.0	U	<1.9	U	<1.9	U
2,4,6-Trichlorophenol	2,000	ug/l	<50	U	<40.0	U	<2.5	U	<2.5	U
2,4-Dinitrotoluene	130	ug/l	<50	U	<40.0	U	<1.9	U	<1.9	U
Cresols, (as m,p,o-Cresol)	20,000	ug/l	**1500**		**679**		**8700**		**5.4**	J
Hexachlorobenzene	130	ug/l	<50	U	<40.0	U	<3.4	U	<3.4	U
Hexachlorobutadiene	500	ug/l	<50	U	<40.0	U	<3.0	U	<3.0	U
Hexachloroethane	3,000	ug/l	<50	U	<40.0	U	<2.2	U	<2.2	U
Nitrobenzene	2,000	ug/l	<50	U	<40.0	U	<3.3	U	<3.3	U
Pentachlorophenol	100,000	ug/l	<250	**C**	<80.0	U	<9.8	U	<9.8	U
Pyridine	5,000	ug/l	**320**		**477**		**80**		<4.5	U
TCLP- SW7470										
Mercury	0.2	mg/L	**0.226**		**0.00901**		**0.0026**		**0.0330**	
TCLP - SW6010										
Arsenic	5	mg/L	<0.500	U	<0.500	U	<0.019	U	<0.019	U
Barium	100	mg/L	<0.500	U	<0.500	U	**0.082**	J	**0.077**	J
Cadmium	1	mg/L	<0.0250	U	<0.0250	U	<0.010	U	<0.010	U
Chromium, Total	5	mg/L	<0.500	U	<0.500	U	<0.021	U	<0.021	U
Lead	5	mg/L	<0.500	U	<0.500	U	**0.053**	J	<0.027	U
Selenium	1	mg/L	<0.200	U	<0.200	U	<0.035	U	<0.035	U
Silver	5	mg/L	<0.500	U	<0.500	U	<0.028	U	<0.028	U

Table 1E
Process Equipment IRM
Process Vessel Contents
Riverview Innovation Technology Campus, Inc.
Town of Tonawanda, New York

Analytes	EPA TCLP Standards	Units	West LBA-05042022		PV10-WOOD-10252022		PV-5-SD-08252022		SD-PV8-09092022	
		Description	PV10, Black solid		PV10, Black wood		PV-5, Black sludge		PV8, Black solid, rings	
		Volume	11CY (Bottom Segment)		600 CY		22 CY (PV4,5,6,7)		20 - 30 tons	
		Waste Code	K143, D018, D009		K143		D018		None	
		Report	222043		225099		L2246304		L2249313, L2253872	
TCLP - 8081B										
Chlordane	0.03	mg/L	<0.010	U	NS		<0.000232	U	<0.232	U
Endrin	0.02	mg/L	<0.0020	U	NS		<0.000021	U	<0.021	U
Gamma Bhc (Lindane)	0.4	mg/L	<0.0020	U	NS		<0.000022	U	<0.022	U
Heptachlor	0.008	mg/L	<0.0020	U	NS		<0.000016	U	<0.016	U
Heptachlor Epoxide	0.008	mg/L	<0.0020	U	NS		<0.000021	U	<0.021	U
Methoxychlor	10	mg/L	<0.010	U	NS		<0.000314	U	<0.034	U
Toxaphene	0.5	mg/L	<0.020	U	NS		<0.000314	U	<0.314	U
TCLP- SW8151A										
2,4-D (Dichlorophenoxyacetic Acid)	10	mg/L	<0.050	U	NS		<0.001	U	<1	U
Silvex (2,4,5-TP)	1	mg/L	<0.050	U	NS		<0.001	U	<1	U
Ignitability EPA 1030										
Ignitability		mm/sec	No Burn		No Burn		No Burn		No Burn	
SW7.3.3.2										
Reactive Cyanide		mg/kg	**1.2**		<0.9	U	<10	U	<10.0	U
SW7.3.4.2										
Sulfide Reactive		mg/kg	**28**		**180**		<10	U	<10.0	U
Chloride (SW9056)										
Chloride		mg/kg	<1400	U	NS		NS		NS	
ASTM D5865-04 BTUS/High Heat Value										
BTU (As Received)		BTU/lb	**11400**		**9000**		**12031**		**6362**	
Notes:										
NS = Not Sampled										
NA = Sample collected, but not analyzed										
"<" = Analyzed for but detected at or above the quantitation limit										
J = Analyte detected below quantitation limit										
Red Highlight = Analyte concentration exceeds EPA TCLP Limits										
Bold = Analyte was detected										



Legend

- C# Confirmation Sample Location
- V# Verification Sample Location
- Completed Cell (Lighter Fill Color)
- Remixed Cell (Darker Fill Color)
- Remix Area Boundary
- Solidification Boundary
- Sample from Cell is Characteristically Hazardous

30 0 15 30 60 120

1 INCH = 30 FEET (22X34)

D

N

DRAWING BY	RB
CHECKED	
APPROVED	

PROPERTY OF INVENTUM ENGINEERING

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DRAWING NUMBER

MARCH 2024

Table 1F
Solidification Work Plan - Breeze Quality Sampling
Riverview Innovation Technology Campus Inc.,
Tonawanda, New York

ANALYTE	SAMPLE ID:	BREEZE-NE-10172023		BREEZE-NW-10172023		BREEZE-SE-10172023		BREEZE-SW-10172023		BREEZE-01-1207		BREEZE-02-12202023		BREEZE-03-01082024		BREEZE-04-01162024		BREEZE-05-01252024		BREEZE-06-02052024		BREEZE-07-02092024		BREEZE-08-02152024		BREEZE-09-02262024		BREEZE-08172023		BREEZETEST-06-09152023	
	LAB ID:	L2361538-03		L2361538-01		L2361538-04		L2361538-02		L2372242-01		L2375165-01 R1		L2401153-01 R1		L2402647-01 R1		L2404343-01		L2406253-01 R1		L2407435-01		L2408355-01		L2410217-01		L2347700-01		234271			
	COLLECTION DATE:	10/17/2023		10/17/2023		10/17/2023		10/17/2023		12/7/2023		12/20/2023		1/8/2024		1/16/2024		1/25/2024		2/5/2024		2/9/2024		2/15/2024		2/26/2024		8/17/2023		9/15/2023			
	SAMPLE LOCATION:	Northeast Quadrant		Northwest Quadrant		Southeast Quadrant		Southwest Quadrant		Breeze Stockpile		Breeze Stockpile		Breeze Stockpile		Breeze Stockpile		Breeze Stockpile		Breeze Stockpile		Breeze Stockpile		Breeze Stockpile		Breeze Stockpile		0 - 2' BGS		0 - 2' BGS			
	SAMPLE MATRIX:	COKE BREEZE		COKE BREEZE		COKE BREEZE		COKE BREEZE		COKE BREEZE		COKE BREEZE		COKE BREEZE		COKE BREEZE		COKE BREEZE		COKE BREEZE		COKE BREEZE		COKE BREEZE		SOLID		COKE BREEZE		COKE BREEZE			
	NY-RESC (mg/kg)	NY-RESI (mg/kg)	Initial Solidification Breeze Testing Samples Collected from Stockpile								Quality Sample (1/200 tons)		Quality Sample (1/200 tons)		Quality Sample (1/700 tons)		Quality Sample (1/200 tons)		Quality Sample (1/200 tons)		Quality Sample (1/200 tons)		Quality Sample (1/700 tons)		Quality Sample (1/200 tons)		Quality Sample (1/200 tons)		Breeze used in all solidification bench scales.		Breeze used in Adsorption bench scale.			
VOLATILE ORGANICS BY GC/MS																																
1,1,1-Trichloroethane	500	1000	<0.00016	U	<0.00017	U	<0.00018	U	<0.00015	U	<0.0002	U	<0.00018	U	<0.0002	U	<0.00018	U	<0.00017	U	<0.00017	U	<0.00018	U	<0.00018	U	<0.00018	U	<0.00019	U	<0.008	U
1,1,2,2-Tetrachloroethane			<0.00016	U	<0.00017	U	<0.00018	U	<0.00014	U	<0.0002	U	<0.00018	U	<0.00019	U	<0.00018	U	<0.00017	U	<0.00017	U	<0.00018	U	<0.00018	U	<0.00017	U	<0.00019	U	<0.008	U
1,1,2-Trichloroethane			<0.00025	U	<0.00027	U	<0.00028	U	<0.00023	U	<0.00033	U	<0.00029	U	<0.00031	U	<0.00029	U	<0.00028	U	<0.00027	U	<0.0003	U	<0.00029	U	<0.00028	U	<0.00031	U	<0.008	U
1,1-Dichloroethane	240	480	<0.00014	U	<0.00015	U	<0.00015	U	<0.00013	U	<0.00018	U	<0.00016	U	<0.00017	U	<0.00016	U	<0.00015	U	<0.00015	U	<0.00016	U	<0.00016	U	<0.00015	U	<0.00017	U	<0.008	U
1,1-Dichloroethene	500	1000	<0.00022	U	<0.00024	U	<0.00025	U	<0.00021	U	<0.00029	U	<0.00025	U	<0.00028	U	<0.00026	U	<0.00024	U	<0.00024	U	<0.00026	U	<0.00026	U	<0.00025	U	<0.00028	U	<0.008	U
1,2,3-Trichlorobenzene			<0.0003	U	<0.00032	U	<0.00034	U	<0.00028	U	<0.0004	U	<0.00034	U	<0.00038	U	<0.00035	U	<0.00033	U	<0.00032	U	<0.00036	U	<0.00035	U	<0.00034	U	<0.00037	U	<0.02	U
1,2,4-Trichlorobenzene			<0.00026	U	<0.00027	U	<0.00029	U	<0.00024	U	<0.00034	U	<0.00029	U	<0.00032	U	<0.00029	U	<0.00028	U	<0.00027	U	<0.0003	U	<0.0003	U	<0.00028	U	<0.00032	U	<0.02	U
1,2-Dibromo-3-chloropropane			<0.00094	U	<0.001	U	<0.0011	U	<0.00087	U	<0.0012	U	<0.0011	U	<0.0012	U	<0.0011	U	<0.001	U	<0.001	U	<0.0011	U	<0.0011	U	<0.001	U	<0.0012	U	<0.04	U
1,2-Dibromoethane			<0.00026	U	<0.00028	U	<0.0003	U	<0.00024	U	<0.00034	U	<0.0003	U	<0.00033	U	<0.0003	U	<0.00029	U	<0.00028	U	<0.00031	U	<0.00031	U	<0.00029	U	<0.00032	U	<0.008	U
1,2-Dichlorobenzene	500	1000	<0.00014	U	<0.00014	U	<0.00015	U	<0.00012	U	<0.00018	U	<0.00015	U	<0.00017	U	<0.00015	U	<0.00015	U	<0.00014	U	<0.00016	U	<0.00016	U	<0.00015	U	<0.00017	U	<0.008	U
1,2-Dichloroethane	30	60	<0.00024	U	<0.00026	U	<0.00027	U	<0.00022	U	<0.00032	U	<0.00028	U	<0.0003	U	<0.00028	U	<0.00026	U	<0.00026	U	<0.00029	U	<0.00028	U	<0.00027	U	<0.0003	U	<0.008	U
1,2-Dichloropropane			<0.00012	U	<0.00012	U	<0.00013	U	<0.00011	U	<0.00015	U	<0.00013	U	<0.00015	U	<0.00013	U	<0.00013	U	<0.00013	U	<0.00014	U	<0.00014	U	<0.00013	U	<0.00014	U	<0.008	U
1,3-Dichlorobenzene	280	560	<0.00014	U	<0.00015	U	<0.00016	U	<0.00013	U	<0.00018	U	<0.00016	U	<0.00017	U	<0.00016	U	<0.00015	U	<0.00015	U	<0.00016	U	<0.00016	U	<0.00016	U	<0.00017	U	<0.008	U
1,4-Dichlorobenzene	130	250	<0.00016	U	<0.00017	U	<0.00018	U	<0.00015	U	<0.00021	U	<0.00018	U	<0.0002	U	<0.00018	U	<0.00018	U	<0.00017	U	**0.00026**	J	**0.00022**	J	<0.00018	U	<0.0002	U	<0.008	U
1,4-Dioxane	130	250	<0.033	U	<0.035	U	<0.037	U	<0.031	U	<0.043	U	<0.038	U	<0.041	U	<0.038	U	<0.036	U	<0.035	U	<0.039	U	<0.038	U	<0.037	U	<0.041	U	<0.04	U
2-Butanone	500	1000	<0.0021	U	<0.0022	U	<0.0024	U	<0.0019	U	<0.0027	U	<0.0024	U	<0.0026	U	<0.0024	U	<0.0023	U	<0.0022	U	<0.0025	U	<0.0024	U	<0.0023	U	<0.0026	U	<0.04	U
2-Hexanone			<0.0011	U	<0.0012	U	<0.0012	U	<0.001	U	<0.0014	U	<0.0013	U	<0.0014	U	<0.0013	U	<0.0012	U	<0.0012	U	<0.0013	U	<0.0013	U	<0.0012	U	<0.0014	U	<0.02	U
4-Methyl-2-pentanone			<0.0012	U	<0.0013	U	<0.0014	U	<0.0011	U	<0.0016	U	<0.0014	U	<0.0015	U	<0.0014	U	<0.0013	U	<0.0013	U	<0.0014	U	<0.0014	U	<0.0013	U	<0.0015	U	<0.02	U
Acetone	500	1000	<0.0046	U	<0.0048	U	<0.0051	U	<0.0042	U	<0.0059	U	<0.0052	U	<0.0056	U	<0.0052	U	<0.005	U	<0.0048	U	<0.0054	U	<0.0053	U	<0.005	U	<0.0056	U	<0.04	U
Benzene	44	89	<0.00016	U	<0.00017	U	<0.00018	U	<0.00014	U	<0.0002	U	<0.00018	U	<0.00019	U	<0.00018	U	**0.00042**	J	**0.0025**		**0.0038**		<0.00018	U	<0.00017	U	<0.00019	U	<0.008	U
Bromochloromethane			<0.00019	U	<0.00021	U	<0.00022	U	<0.00018	U	<0.00025	U	<0.00022	U	<0.00024	U	<0.00022	U	<0.00021	U	<0.00021	U	<0.00023	U	<0.00022	U	<0.00021	U	<0.00024	U	<0.02	U
Bromodichloromethane			<0.0001	U	<0.00011	U	<0.00012	U	<0.0001	U	<0.00013	U	<0.00012	U	<0.00013	U	<0.00012	U	<0.00011	U	<0.00011	U	<0.00012	U	<0.00012	U	<0.00011	U	<0.00013	U	<0.008	U
Bromoform			<0.00023	U	<0.00025	U	<0.00026	U	<0.00022	U	<0.0003	U	<0.00026	U	<0.00029	U	<0.00026	U	<0.00025	U	<0.00025	U	<0.00027	U	<0.00027	U	<0.00026	U	<0.00028	U	<0.02	U
Bromomethane			<0.00055	U	<0.00058	U	<0.00062	U	<0.00051	U	<0.00072	U	<0.00062	U	<0.00068	U	<0.00062	U	<0.0006	U	<0.00059	U	<0.00065	U	<0.00064	U	<0.00061	U	<0.00067	U	<0.008	U
Carbon disulfide			<0.0043	U	<0.0046	U	<0.0048	U	<0.004	U	<0.0056	U	<0.0049	U	<0.0053	U	<0.0049	U	<0.0047	U	<0.0046	U	<0.0051	U	<0.005	U	<0.0048	U	<0.0053	U	<0.008	U
Carbon tetrachloride	22	44	<0.00022	U	<0.00023	U	<0.00024	U	<0.0002	U	<0.00028	U	<0.00025	U	<0.00027	U	<0.00025	U	<0.00024	U	<0.00023	U	<0.00026	U	<0.00025	U	<0.00024	U	<0.00027	U	-	
Chlorobenzene	500	1000	<0.00012	U	<0.00013	U	<0.00013	U	<0.00011	U	<0.00016	U	<0.00014	U	<0.00015	U	<0.00014	U	<0.00013	U	<0.00013	U	<0.00014	U	<0.00014	U	<0.00013	U	<0.00015	U	<0.008	U
Chloroethane			<0.00043	U	<0.00046	U	<0.00048	U	<0.0004	U	<0.00056	U	<0.00048	U	<0.00053	U	<0.00048	U	<0.00047	U	<0.00046	U	<0.0005	U	<0.0005	U	<0.00047	U	<0.00052	U	<0.008	U
Chloroform	350	700	<0.00013	U	<0.00014	U	<0.00015	U	<0.00012	U	<0.00017	U	<0.00015	U	<0.00016	U	<0.00015	U	<0.00014	U	<0.00014	U	<0.00016	U	<0.00015	U	<0.00015	U	<0.00016	U	<0.008	U
Chloromethane			<0.00088	U	<0.00094	U	<0.00099	U	<0.00082	U	<0.0011	U	<0.001	U	<0.0011	U	<0.001	U	<0.00096	U	<0.00094	U	<0.001	U	<0.001	U	<0.00098	U	<0.0011	U	<0.008	U
cis-1,2-Dichloroethene	500	1000	<0.00016	U	<0.00018	U	<0.00018	U	<0.00015	U	<0.00022	U	<0.00019	U	<0.0002	U	<0.00019	U	<0.00018	U	<0.00018	U	<0.00019	U	<0.00019	U	<0.00018	U	**0.0032**		<0.008	U
cis-1,3-Dichloropropene			<0.00015	U	<0.00016	U	<0.00017	U	<0.00014	U	<0.00019	U	<0.00017	U	<0.00018	U	<0.00017	U	<0.00016	U	<0.00016	U	<0.00018	U	<0.00017	U	<0.00016	U	<0.00018	U	<0.008	U
Cyclohexane			<0.00052	U	<0.00055	U	<0.00058	U	<0.00048	U	<0.00067	U	<0.00058	U	<0.00064	U	<0.00058	U	<0.00056	U	<0.00055	U	<0.0006	U	<0.0006	U	<0.00057	U	<0.00063	U	<0.04	U
Dibromochloromethane			<0.00013	U	<0.00014	U	<0.00015	U	<0.00012	U	<0.00017	U	<0.00015	U	<0.00016	U	<0.00015	U	<0.00014	U	<0.00014	U	<0.00016	U	<0.00015	U	<0.00015	U	<0.00016	U	<0.008	U
Dichlorodifluoromethane			<0.00087	U	<0.00092	U	<0.00097	U	<0.0008	U	<0.0011	U	<0.00098	U	<0.0011	U	<0.00098	U	<0.00094	U	<0.00092	U	<0.001	U	<0.001	U	<0.00096	U	<0.001	U	<0.008	U
Ethylbenzene	390	780	<0.00013	U	<0.00014	U	<0.00015	U	<0.00012	U	<0.00017	U	<0.00015	U	<0.00016	U	<0.00015	U	<0.00014	U	<0.00014	U	<0.00016	U	<0.00015	U	<0.00015	U	**0.00028**	J	<0.008	U
Freon-113			<0.00066	U	<0.0007	U	<0.00074	U	<0.00061	U	<0.00085	U	<0.00074	U	<0.00081	U	<0.00074	U	<0.00072	U	<0.0007	U	<0.00077	U	<0.00076	U	<0.00073	U	<0.0008	U	<0.008	U
Isopropylbenzene			<0.0001	U	<0.00011	U	<0.00012	U	<0.0001	U	<0.00013	U	<0.00012	U	<0.00013	U	<0.00012	U	<0.00011	U	<0.00011	U	<0.00012	U	<0.00012	U	<0.00011	U	<0.00013	U	<0.008	U
Methyl Acetate			<0.0009	U	<0.00096	U	<0.001	U	<0.00083	U	<0.0012	U	<0.001	U	<0.0011	U	<0.001	U	<0.00098	U	<0.00096	U	<0.001	U	<0.001	U	<0.001	U	<0.0011	U	<0.008	U
Methyl cyclohexane			<0.00057	U	<0.00061	U	<0.00064	U	<0.00053	U	<0.00074	U	<0.00065	U	<0.00071	U	**0.0034**	J	<0.00062	U	<0.00061	U	<0.00067	U	<0.00066	U	<0.00063	U	<0.0007	U	<0.008	U
Methyl tert butyl ether	500	1000	<0.00019	U	<0.0002	U	<0.00021	U	<0.00018	U	<0.00025	U	<0.00022	U	<0.00024	U	<0.00022	U	<0.00021	U	<0.0002	U	<0.00022	U	<0.00022	U	<0.00021	U	<0.00023	U	<0.008	U
Methylene chloride	500	1000	<0.0022	U	<0.0023	U	<0.0024	U	<0.002	U	<0.0028	U	<0.0024	U	<0.0027	U	<0.0025	U	<0.0024	U	<0.0023	U	<0.0025	U	<0.0025	U	<0.0024	U	<0.0026	U	<0.02	U
o-Xylene			<0.00028	U	<0.00029	U	<0.00031	U	<0.00025	U	<0.00036	U	<0.00031	U	<0.00034	U	<0.00031	U	<0.0003	U	<0.00029	U	<0.00032	U	<0.00032	U	<0.0003	U	**0.00036**	J	<0.008	U
p/m-Xylene			<0.00053	U	<0.00056	U	<0.0006	U	<0.00049	U	<0.00069	U	<0.0006	U	<0.00066	U	<0.0006	U	<0.00058	U	<0.00056	U	<0.00062	U	<0.00061	U	<0.00059	U	**0.00084**	J	<0.008	U
Styrene			<0.00018	U	<0.0002	U	<0.00021	U	<0.00017	U	<0.00024	U	<0.00021	U	<0.00023	U	<0.00021	U	<0.0002	U	<0.0002	U	<0.00022	U	<0.00022	U	<0.0002	U	<0.00023	U	<0.02	U
Tetrachloroethene	150	300	<0.00018	U	<0.0002	U	<0.00021	U	<0.00017	U	<0.00024	U	<0.00021	U	<0.00023	U	<0.00021	U	<0.0002	U	<0.0002	U	<0.00022	U	<0.00022	U	<0.0002	U	<0.00023	U	<0.008	U
Toluene	500	1000	<0.00051	U	<0.00055	U	<0.00058	U	<0.00047	U	<0.00067	U	<0.00058	U	<0.00064	U	<0.00058	U	<0.00056	U	**0.0011**		**0.0022**		<0.0006	U	<0.00057	U	**0.0012**		<0.008	U
trans-1,2-Dichloroethene	500	1000	<0.00013	U	<0.00014	U	<0.00014	U	<0.00012	U	<0.00017	U	<0.00015	U	<0.00016	U	<0.00015	U	<0.00014	U	<0.00014	U	<0.00015	U	<0.00015	U	<0.00014	U	<0.00016	U	<0.008	U
trans-1,3-Dichloropropene			<0.00026	U	<0.00028	U	<0.00029	U	<0.00024	U	<0.00034	U	<0.00029	U	<0.00032	U	<0.00029	U	<0.00028	U	<0.00028	U	<0.0003	U	<0.0003	U	<0.00029	U	<0.00032	U	<0.008	U
Trichloroethene	200	400	<0.00013	U	<0.00014	U	<0.00014	U	<0.00012	U	<0.00017	U	<0.00015	U	<0.00016	U	<0.00015	U	<0.00014	U	<0.00014	U	<0.00015	U	<0.00015	U	<0.00014	U	<0.00016	U	<0.008	U
Trichlorofluoromethane			<0.00066	U	<0.0007	U	<0.00074	U	<0.00061	U	<0.00086	U	<0.00074	U	<0.00081	U	<0.00075	U	<0.00072	U	<0.0007	U	<0.00077	U	<0.00076	U	<0.00073	U	<0.0008	U	<0.008	U
Vinyl chloride	13	27	<0.00032	U	<0.00034	U	<0.00036	U	<0.00029	U	<0.00041	U	<0.00036	U	<0.00039	U	<0.00036	U	<0.00035	U	<0.00034	U	<0.00037	U	<0.00037	U	<0.00035	U	<0.00039	U	<0.008	U
Total VOCs			-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0034**	-	**0.00042**	-	**0.0036**	-	**0.00626**	-	**0.00022**	-	-	-	**0.00588**		-	
SEMIVOLATILE ORGANICS BY GC/MS																																
1,2,4,5-Tetrachlorobenzene			<0.094	U	<0.095	U	<0.093	U	<0.096	U	-	-	-	-	<0.1	U	-	-	-	-	-	-	<0.02	U	-	-	-	-	<0.1	U	<0.272	U
2,3,4,6-Tetrachlorophenol			<0.18	U	<0.18	U	<0.18	U	<0.19	U	-	-	-	-	<0.2	U	-	-	-	-	-	-	<0.039	U	-	-	-	-	<0.19	U	<0.272	U
2,4,5-Trichlorophenol			<0.17	U	<0.17	U	<0.17	U	<0.18	U	-	-	-	-	<0.18	U	-	-	-	-	-	-	<0.037	U	-	-	-	-	<0.18	U	<0.272	U
2,4,6-Trichlorophenol			<0.17	U	<0.17	U	<0.17	U	<0.18	U	-	-	-	-	<0.18	U	-	-	-	-	-	-	<0.037	U	-	-	-	-	<0.18	U	<0.272	U
2,4-Dichlorophenol			<0.14	U	<0.15	U	<0.14	U	<0.15	U	-	-	-	-	<0.16	U	-	-	-	-	-	-	<0.031	U	-	-	-	-	<0.15	U	<0.272	U
2,4-Dimethylphenol			<0.3	U	<0.3	U	<0.29	U	<0.3	U	-	-	-	-	<0.32	U	-	-	-	-	-	-	<0.064	U	-	-	-	-	<0.32	U	<0.272	U
2,4-Dinitrophenol			<0.42	U	<0.42	U	<0.42	U	<0.43	U	-	-	-	-	<0.45	U	-	-	-	-	-	-	<0.09	U	-	-	-	-	<0.45	U	<1.09	U
2,4-Dinitrotoluene			<0.18	U	<0.18	U	<0.18	U	<0.18	U	-	-	-	-	<0.19	U	-	-	-	-	-	-	<0.039	U	-	-	-	-	<0.19	U	<0.272	U
2,6-Dinitrotoluene			<0.15	U	<0.16	U	<0.15	U	<0.16	U	-	-	-	-	<0.17	U	-	-	-	-	-	-	<0.033	U	-	-	-	-	<0.16	U	<0.272	U
2-Chloronaphthalene			<0.09	U	<0.09	U	<0.088	U	<0.092	U	-	-	-	-	<0.096	U	-	-	-	-	-	-	<0.019	U	-	-	-	-	<0.095	U	<0.272	U
2-Chlorophenol			<0.11	U	<0.11	U	<0.1	U	<0.11	U	-	-	-	-	<0.11	U	-	-	-	-	-	-	<0.023	U	-	-	-	-	<0.11	U	<0.272	U
2-Methylnaphthalene			**4**		**2.2**		**5.8**		**4.9**		-	-	-	-	**0.83**	J	-	-	-	-	-	-	**2.2**		-	-	-	-	**1.3**		**0.765**	
2-Methylphenol	500	1000	**0.15**	J	<0.14	U	**0.22**	J	<0.14	U	-	-	-	-	<0.15	U	-	-	-	-	-	-	**0.038**	J	-	-	-	-	<0.15	U	<0.272	U
2-Nitroaniline			<0.17	U	<0.18	U	<0.17	U	<0.18	U	-	-	-	-	<0.19	U	-	-	-	-	-	-	<0.037	U	-	-	-	-	<0.18	U	<0.272	U
2-Nitrophenol			<0.34	U	<0.34	U	<0.34	U	<0.35	U	-	-	-	-	<0.36	U	-	-	-	-	-	-	<0.073	U	-	-	-	-	<0.36	U	<0.272	U
3,3'-Dichlorobenzidine			<0.24	U	<0.24	U	<0.24	U	<0.24	U	-	-	-	-	<0.26	U	-	-	-	-	-	-	<0.051	U	-	-	-	-	<0.26	U	<0.272	U
3-Methylphenol/4-Methylphenol	500	1000	**0.32**	J	**0.22**	J	0.46	J	0.24	J	-	-	-	-	<0.15	U	-	-	-	-	-	-	**0.11**	J	-	-	-	-	**0.15**	J	<0.272	U
3-Nitroaniline			<0.17	U	<0.17	U	<0.17	U	<0.17	U	-	-	-	-	<0.18	U	-	-	-	-	-	-	<0.036	U	-	-	-	-	<0.18	U	<0.272	U
4,6-Dinitro-o-cresol			<0.43	U	<0.44	U	<0.43	U	<0.44	U	-	-	-	-	<0.46	U	-	-	-	-	-	-	<0.093	U	-	-	-	-	<0.46	U	<0.364	U
4-Bromophenyl phenyl ether			<0.14	U	<0.14	U	<0.14	U	<0.14	U	-	-	-	-	<0.15	U	-	-	-	-	-	-	<0.03	U	-	-	-	-	<0.15	U	<0.272	U
4-Chloroaniline			<0.16	U	<0.16	U	<0.16	U	<0.17	U	-	-	-	-	<0.18	U	-	-	-	-	-	-	<0.035	U	-	-	-	-	<0.17	U	<0.272	U
4-Chlorophenyl phenyl ether			<0.097	U	<0.097	U	<0.096	U	<0.099	U	-	-	-	-	<0.1	U	-	-	-	-	-	-	<0.021	U	-	-	-	-	<0.1	U	<0.272	U
4-Nitroaniline			<0.37	U	<0.38	U	<0.37	U	<0.38	U	-	-	-	-	<0.4	U	-	-	-	-	-	-	<0.08	U	-	-	-	-	<0.4	U	<0.272	U
4-Nitrophenol			<0.37	U	<0.37	U	<0.36	U	<0.38	U	-	-	-	-	<0.4	U	-	-	-	-	-	-	<0.079	U	-	-	-	-	<0.39	U	<0.272	U
Acenaphthene	500	1000	**1.1**		**0.91**		**1.4**		**3.5**		-	-	-	-	**0.22**	J	-	-	-	-	-	-	**1.2**		-	-	-	-	**0.64**	J	**1.13**	

Table 1F
Solidification Work Plan - Breeze Quality Sampling
Riverview Innovation Technology Campus Inc.,
Tonawanda, New York

ANALYTE	SAMPLE ID:		BREEZE-NE-10172023		BREEZE-NW-10172023		BREEZE-SE-10172023		BREEZE-SW-10172023		BREEZE-01-1207		BREEZE-02-12202023		BREEZE-03-01082024		BREEZE-04-01162024		BREEZE-05-01252024		BREEZE-06-02052024		BREEZE-07-02092024		BREEZE-08-02152024		BREEZE-09-02262024		BREEZE-08172023		BREEZETEST-06-09152023	
	LAB ID:		L2361538-03		L2361538-01		L2361538-04		L2361538-02		L2372242-01		L2375165-01 R1		L2401153-01 R1		L2402647-01 R1		L2404343-01		L2406253-01 R1		L2407435-01		L2408355-01		L2410217-01		L2347700-01		234271	
	COLLECTION DATE:		10/17/2023		10/17/2023		10/17/2023		10/17/2023		12/7/2023		12/20/2023		1/8/2024		1/16/2024		1/25/2024		2/5/2024		2/9/2024		2/15/2024		2/26/2024		8/17/2023		9/15/2023	
	SAMPLE LOCATION:		Northeast Quadrant		Northwest Quadrant		Southeast Quadrant		Southwest Quadrant		Breeze Stockpile		Breeze Stockpile		Breeze Stockpile		Breeze Stockpile		Breeze Stockpile		Breeze Stockpile		Breeze Stockpile		Breeze Stockpile		Breeze Stockpile		0 - 2' BGS		0 - 2' BGS	
	SAMPLE MATRIX:		COKE BREEZE		COKE BREEZE		COKE BREEZE		COKE BREEZE		COKE BREEZE		COKE BREEZE		COKE BREEZE		COKE BREEZE		COKE BREEZE		COKE BREEZE		COKE BREEZE		COKE BREEZE		SOLID		COKE BREEZE		COKE BREEZE	
	NY-RESC (mg/kg)	NY-RESI (mg/kg)	Initial Solidification Breeze Testing Samples Collected from Stockpile								Quality Sample (1/200 tons)		Quality Sample (1/200 tons)		Quality Sample (1/700 tons)		Quality Sample (1/200 tons)		Quality Sample (1/200 tons)		Quality Sample (1/200 tons)		Quality Sample (1/700 tons)		Quality Sample (1/200 tons)		Quality Sample (1/200 tons)		Breeze used in all solidification bench scales.		Breeze used in Adsorption bench scale.	
Acenaphthylene	500	1000	**3.1**		**2**		**3.6**		**1.9**		-	-	-	-	**0.54**	J	-	-	-	-	-	-	0.99		-	-	-	-	**2.7**		<0.272	U
Acetophenone			**0.14**	J	<0.11	U	<0.11	U	**0.33**	J	-	-	-	-	<0.12	U	-	-	-	-	-	-	**0.13**	J	-	-	-	-	<0.12	U	<0.272	U
Anthracene	500	1000	**4.6**		**3.3**		**5.8**		**3.8**		-	-	-	-	**2.7**		-	-	-	-	-	-	**1.8**		-	-	-	-	**4**		**0.985**	
Atrazine			<0.32	U	<0.32	U	<0.31	U	<0.32	U	-	-	-	-	<0.34	U	-	-	-	-	-	-	<0.068	U	-	-	-	-	<0.34	U	<0.272	U
Benzaldehyde			<0.24	U	<0.24	U	<0.24	U	<0.25	U	-	-	-	-	<0.26	U	-	-	-	-	-	-	<0.052	U	-	-	-	-	<0.26	U	<0.272	U
Benzo(a)anthracene	5.6	11	**11**		**7.4**		**14**		**16**		-	-	-	-	**6.8**		-	-	-	-	-	-	**6.2**		-	-	-	-	**9.1**		**3.43**	
Benzo(a)pyrene	1	1.1	**14**		**8.5**		**18**		**29**		-	-	-	-	**8.8**		-	-	-	-	-	-	**13**		-	-	-	-	**9.5**		**6.43**	
Benzo(b)fluoranthene	5.6	11	**17**		**11**		**22**		**32**		-	-	-	-	**13**		-	-	-	-	-	-	**14**		-	-	-	-	**12**		**6.32**	
Benzo(ghi)perylene	500	1000	**9.2**		**5.4**		**12**		**22**		-	-	-	-	**6.9**		-	-	-	-	-	-	**11**		-	-	-	-	**6**		**5.01**	
Benzo(k)fluoranthene	56	110	**5.3**		**3.3**		**6.9**		**9.4**		-	-	-	-	**2.8**		-	-	-	-	-	-	**2.2**		-	-	-	-	**2.9**		**3.05**	
Biphenyl			**0.88**	J	**0.56**	J	**1.2**	J	0.81	J	-	-	-	-	**0.2**	J	-	-	-	-	-	-	**0.35**	J	-	-	-	-	**0.34**	J	<0.272	U
Bis(2-chloroethoxy)methane			<0.09	U	<0.091	U	<0.089	U	<0.093	U	-	-	-	-	<0.097	U	-	-	-	-	-	-	<0.019	U	-	-	-	-	<0.096	U	<0.272	U
Bis(2-chloroethyl)ether			<0.12	U	<0.12	U	<0.12	U	<0.12	U	-	-	-	-	<0.13	U	-	-	-	-	-	-	<0.026	U	-	-	-	-	<0.13	U	<0.272	U
Bis(2-chloroisopropyl)ether			<0.15	U	<0.16	U	<0.15	U	<0.16	U	-	-	-	-	<0.16	U	-	-	-	-	-	-	<0.033	U	-	-	-	-	<0.16	U	<0.272	U
Bis(2-ethylhexyl)phthalate			<0.31	U	<0.32	U	<0.31	U	<0.32	U	-	-	-	-	<0.34	U	-	-	-	-	-	-	<0.067	U	-	-	-	-	<0.33	U	<0.272	U
Butyl benzyl phthalate			<0.23	U	<0.23	U	<0.22	U	<0.23	U	-	-	-	-	<0.24	U	-	-	-	-	-	-	<0.049	U	-	-	-	-	<0.24	U	<0.272	U
Caprolactam			<0.27	U	<0.28	U	<0.27	U	<0.28	U	-	-	-	-	<0.29	U	-	-	-	-	-	-	<0.059	U	-	-	-	-	<0.29	U	<0.272	U
Carbazole			**1.9**		**1.2**		**2.5**		**1.8**		-	-	-	-	**0.42**	J	-	-	-	-	-	-	**0.75**		-	-	-	-	**1.3**		**0.32**	
Chrysene	56	110	**12**		**7.7**		**15**		**18**		-	-	-	-	**8.3**		-	-	-	-	-	-	**6.4**		-	-	-	-	**9.8**		**4.21**	
Di-n-butylphthalate			<0.17	U	<0.17	U	<0.17	U	<0.18	U	-	-	-	-	<0.18	U	-	-	-	-	-	-	<0.037	U	-	-	-	-	<0.18	U	<0.272	U
Di-n-octylphthalate			<0.31	U	<0.31	U	<0.3	U	<0.31	U	-	-	-	-	<0.33	U	-	-	-	-	-	-	<0.066	U	-	-	-	-	<0.33	U	<0.272	U
Dibenzo(a,h)anthracene	0.56	1.1	**2.3**		**1.3**		**2.8**		**4.3**		-	-	-	-	**1.6**		-	-	-	-	-	-	**1.6**		-	-	-	-	**1.5**		**1.5**	
Dibenzofuran	350	1000	**3.4**		**2.2**		**4.4**		**2.3**		-	-	-	-	**0.77**	J	-	-	-	-	-	-	**0.91**		-	-	-	-	**1.7**		**0.326**	
Diethyl phthalate			<0.084	U	<0.084	U	<0.083	U	<0.086	U	-	-	-	-	<0.09	U	-	-	-	-	-	-	<0.018	U	-	-	-	-	<0.089	U	<0.272	U
Dimethyl phthalate			<0.19	U	<0.19	U	<0.19	U	<0.19	U	-	-	-	-	<0.2	U	-	-	-	-	-	-	<0.041	U	-	-	-	-	<0.2	U	<0.272	U
Fluoranthene	500	1000	**22**		**17**		**28**		**32**		-	-	-	-	**18**		-	-	-	-	-	-	**13**		-	-	-	-	**24**		<0.272	U
Fluorene	500	1000	**3.3**		**2.5**		**4.1**		**2.5**		-	-	-	-	0.84	J	-	-	-	-	-	-	**0.61**		-	-	-	-	**2.9**		<0.272	U
Hexachlorobenzene	6	12	<0.1	U	<0.1	U	<0.1	U	<0.1	U	-	-	-	-	<0.11	U	-	-	-	-	-	-	<0.022	U	-	-	-	-	<0.11	U	<0.272	U
Hexachlorobutadiene			<0.13	U	<0.13	U	<0.13	U	<0.14	U	-	-	-	-	<0.14	U	-	-	-	-	-	-	<0.028	U	-	-	-	-	<0.14	U	<0.272	U
Hexachlorocyclopentadiene			<0.82	U	<0.82	U	<0.81	U	<0.84	U	-	-	-	-	<0.88	U	-	-	-	-	-	-	<0.18	U	-	-	-	-	<0.87	U	<1.09	U
Hexachloroethane			<0.15	U	<0.15	U	<0.14	U	<0.15	U	-	-	-	-	<0.16	U	-	-	-	-	-	-	<0.031	U	-	-	-	-	<0.16	U	<0.272	U
Indeno(1,2,3-cd)pyrene	5.6	11	**11**		**6.7**		**14**		**26**		-	-	-	-	**6**		-	-	-	-	-	-	**10**		-	-	-	-	**5.6**		**3.78**	
Isophorone			<0.12	U	<0.12	U	<0.12	U	<0.12	U	-	-	-	-	<0.12	U	-	-	-	-	-	-	<0.025	U	-	-	-	-	<0.12	U	<0.272	U
n-Nitrosodi-n-propylamine			<0.14	U	<0.14	U	<0.14	U	<0.14	U	-	-	-	-	<0.15	U	-	-	-	-	-	-	<0.03	U	-	-	-	-	<0.15	U	<0.272	U
Naphthalene	500	1000	**14**		**7.6**		**19**		**10**		-	-	-	-	**2.2**		-	-	-	-	-	-	**3.1**		-	-	-	-	**5**		**1.19**	
NDPA/DPA			<0.1	U	<0.1	U	<0.1	U	<0.1	U	-	-	-	-	<0.11	U	-	-	-	-	-	-	<0.022	U	-	-	-	-	<0.11	U	<0.272	U
Nitrobenzene			<0.13	U	<0.13	U	<0.13	U	<0.14	U	-	-	-	-	<0.14	U	-	-	-	-	-	-	<0.029	U	-	-	-	-	<0.14	U	<0.272	U
p-Chloro-m-cresol			<0.13	U	<0.14	U	<0.13	U	<0.14	U	-	-	-	-	<0.14	U	-	-	-	-	-	-	<0.029	U	-	-	-	-	<0.14	U	<0.272	U
Pentachlorophenol	6.7	55	<0.2	U	<0.2	U	<0.2	U	<0.2	U	-	-	-	-	<0.21	U	-	-	-	-	-	-	<0.042	U	-	-	-	-	<0.21	U	<0.543	U
Phenanthrene	500	1000	**16**		**13**		**20**		**19**		-	-	-	-	**9.5**		-	-	-	-	-	-	**4.7**		-	-	-	-	**18**		**2.8**	
Phenol	500	1000	**0.27**	J	**0.19**	J	**0.42**	J	**0.2**	J	-	-	-	-	**0.17**	J	-	-	-	-	-	-	**0.085**	J	-	-	-	-	**0.15**	J	<0.272	U
Pyrene	500	1000	**17**		**12**		**22**		**26**		-	-	-	-	**14**		-	-	-	-	-	-	**7.3**		-	-	-	-	**18**		**4.52**	
Total SVOCs			**173.96**	-	**116.18**	-	**223.6**	-	**265.98**	-	-	-	-	-	**104.59**	-	-	-	-	-	-	-	**101.673**	-	-	-	-	-	**136.58**	-		
TOTAL METALS																															
Aluminum, Total			**4170**		**2740**		**3080**		**1840**		-	-	-	-	**2330**		-	-	-	-	-	-	**2070**		-	-	-	-	**1760**		-	-
Antimony, Total			<1.6	U	<1.64	U	<1.59	U	<1.66	U	-	-	-	-	**1.1**	J	-	-	-	-	-	-	**1.17**	J	-	-	-	-	<0.348	U	-	-
Arsenic, Total	16	16	**4.63**		**2.64**	J	**4.31**		**4.99**		-	-	-	-	**4.46**		-	-	-	-	-	-	**4.34**		-	-	-	-	**5.38**		-	-
Barium, Total	400	10000	**45.1**		**39.7**		**41.3**		**39.6**		-	-	-	-	**42.6**		-	-	-	-	-	-	**37.9**		-	-	-	-	**35.5**		-	-
Beryllium, Total	590	2700	**0.43**	J	**0.314**	J	**0.331**	J	**0.287**	J	-	-	-	-	**0.405**	J	-	-	-	-	-	-	**0.334**	J	-	-	-	-	**0.268**	J	-	-
Cadmium, Total	9.3	60	<0.414	U	<0.422	U	<0.41	U	<0.428	U	-	-	-	-	**0.128**	J	-	-	-	-	-	-	**0.222**	J	-	-	-	-	<0.09	U	-	-
Calcium, Total			**47600**		**19700**		**33400**		**5000**		-	-	-	-	**7000**		-	-	-	-	-	-	**5610**		-	-	-	-	**4740**		-	-
Chromium, Total			**7.84**		**7.52**		**7.07**		**8.51**		-	-	-	-	**10.4**		-	-	-	-	-	-	**8.02**		-	-	-	-	**5.44**		-	-
Cobalt, Total			**3.42**	J	**2.56**	J	**2.67**	J	**2.65**	J	-	-	-	-	**2.47**		-	-	-	-	-	-	**2.21**		-	-	-	-	**2.36**		-	-
Copper, Total	270	10000	**19.7**		**16.5**		**17.3**		**25.2**		-	-	-	-	**19.9**		-	-	-	-	-	-	**22.9**		-	-	-	-	**17.1**		-	-
Iron, Total			**9630**		**7410**		**7260**		**9800**		-	-	-	-	**8930**		-	-	-	-	-	-	**8750**		-	-	-	-	**6210**		-	-
Lead, Total	1000	3900	**22.1**		**14.2**	J	**19**	J	**29.2**		-	-	-	-	**18.4**		-	-	-	-	-	-	**17.5**		-	-	-	-	**8.57**		-	-
Magnesium, Total			**14200**		**2840**		**3420**		**810**		-	-	-	-	**932**		-	-	-	-	-	-	**761**		-	-	-	-	**991**		-	-
Manganese, Total	10000	10000	**234**		**154**		**150**		**149**		-	-	-	-	**293**		-	-	-	-	-	-	**170**		-	-	-	-	**76.2**		-	-
Mercury, Total	2.8	5.7	**0.104**		**0.179**		**0.121**		**0.139**		-	-	-	-	**0.1**		-	-	-	-	-	-	**0.07**	J	-	-	-	-	**0.075**	J	-	-
Nickel, Total	310	10000	**6.89**	J	**5.98**	J	**6.24**	J	**7.92**	J	-	-	-	-	**9.78**		-	-	-	-	-	-	**8.62**		-	-	-	-	**5.17**		-	-
Potassium, Total			**506**	J	**388**	J	**442**	J	**243**	J	-	-	-	-	**267**		-	-	-	-	-	-	**206**	J	-	-	-	-	**233**		-	-
Selenium, Total	1500	6800	<1.09	U	<1.11	U	<1.08	U	**1.65**	J	-	-	-	-	**0.873**	J	-	-	-	-	-	-	**1.13**	J	-	-	-	-	**1.12**	J	-	-
Silver, Total	1500	6800	<1.19	U	<1.22	U	<1.18	U	<1.24	U	-	-	-	-	<0.266	U	-	-	-	-	-	-	<0.254	U	-	-	-	-	<0.259	U	-	-
Sodium, Total			**276**	J	**177**	J	**203**	J	**59.5**	J	-	-	-	-	**134**	J	-	-	-	-	-	-	**65.9**	J	-	-	-	-	**116**	J	-	-
Thallium, Total			<1.33	U	<1.36	U	<1.32	U	<1.38	U	-	-	-	-	<0.296	U	-	-	-	-	-	-	<0.282	U	-	-	-	-	<0.288	U	-	-
Vanadium, Total			**7.93**		**6.91**		**6.97**		**5.1**		-	-	-	-	**5.4**		-	-	-	-	-	-	**3.73**		-	-	-	-	**4.08**		-	-
Zinc, Total	10000	10000	**54.1**		**42.8**		**63.8**		**86.3**		-	-	-	-	**38.6**		-	-	-	-	-	-	**56.1**		-	-	-	-	**23.6**		-	-
GENERAL CHEMISTRY																															
Cyanide, Total	27	10000	**1.7**		**0.88**	J	**3.2**		**1.8**		-	-	-	-	-		-	-	-	-	-	-	-		-	-	-	-	**0.75**	J	<0.50	U
Nitrogen, Ammonia			**7.3**	J	**10**		<2.6	U	**11**		-	-	-	-	-		-	-	-	-	-	-	-		-	-	-	-	**9.1**		<10.0	U
Solids, Total			**89.5**		**89.9**		**92.8**		**89.2**		**90.9**		**78.3**		**83.4**		**86.8**		**83.3**		**86.9**		**84.9**		**86.3**		**87.5**		**85.3**		NS	
TOTAL ORGANIC CARBON																															
Total Organic Carbon (%)			**47.3**		**32**		**58.7**		**55.5**		**71.2**		**53.5**		**44.6**		**74.9**		**74**		**42.8**		**79.8**		**65.4**		**74.6**		**78**		-	

* Comparison is not performed on parameters with non-numeric criteria.
NY-RESC: NY NYCRR Part 375 Commercial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESI: NY NYCRR Part 375 Industrial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

Organic Carbon	
Average	Median
60.9	**62.05**

Qualifiers:
U - Not detected at the reported detection limit for the sample.
J - Presumptive evidence of compound.
Bold - Compound is detected
Red Highlight - Exceeds Part 375 SCOs for Industrial Criteria
Green Highlight - Exceeds Part 375 SCOs for Commercial Criteria